KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
COUNTY ROAD PROJECT NO. 1631
KITSAP COUNTY PARKS DEPARTMENT

PORT GAMBLE FOREST HERITAGE PARK (PGFHP)

NORTH GATEWAY PARKING LOT
(STO – PORT GAMBLE TRAIL SEGMENT D1)

CONTRACT PROVISIONS

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
614 DIVISION STREET, MS-26
PORT ORCHARD, WASHINGTON 98366-4699
360.337.5777

APPROVED FOR CONSTRUCTION:

4/1/25
DATE

JOSEPH P. RUTAN, P.E.
COUNTY ENGINEER

4-1-25
DATE

ALEX WISNIEWSKI
PARKS DIRECTOR

BACK OF COVER

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ATTACHMENTS

WASHINGTON STATE PREVAILING WAGE RATES, STATE BENEFIT CODE KEY AND SUPPLEMENTAL (L&I STATEMENT)

ROMTEC RESTROOM PLANS

FINAL GEOTECHNICAL REPORT DATED OCTOBER 31, 2024

KITSAP COUNTY BUILDING PERMIT #24-04919

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CALL FOR BIDS

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
COUNTY ROAD PROJECT NO. 1631
KITSAP COUNTY PARKS DEPARTMENT

PORT GAMBLE FOREST HERITAGE PARK (PGFHP)

NORTH GATEWAY PARKING LOT
(STO – PORT GAMBLE TRAIL SEGMENT D1)

BID OPENING: DATE: **April 22, 2025** TIME: **11:00 AM**

Vehicular access to the project site is currently via a locked gate on Carver Drive. This gate will be open to prospective Bidders as follows:

April 10, 2025, 9:00am to 2:00pm
April 17, 2025, 9:00am to 2:00pm

Sealed bids for the project designated above will be received by Kitsap County Department of Public Works before the time and date indicated above, at which time they will be opened and publicly read aloud. The Public Works building is closed to the public.

Bids delivered in person or by private carrier (UPS, Federal Express, etc.) **will be received by staff from Kitsap County Department of Public Works between the hours of 10:30 AM and 11:00 AM at:**

Kitsap County Department of Public Works
Front Entrance of the Public Works Building,
507 Austin Avenue
Port Orchard, Washington

Bids will be opened and publicly read aloud at the front entrance of the Public Works Building.

Bids delivered by US Postal Service shall be addressed to:

Kitsap County Department of Public Works
614 Division Street, MS-26
Port Orchard, Washington 98366-4699

Prospective bidders are hereby notified that they are solely responsible for ensuring timely delivery of their bid to the place of bid opening.

All bid proposals shall be accompanied by a bid proposal surety bond made payable to Kitsap County Department of Public Works in an amount equal to five percent (5%) of the amount of such bid proposal. Should the successful Bidder fail to enter into such contract and furnish satisfactory performance and payment bonds within the time stated in the Special Provisions, the bid proposal bond shall be forfeited to Kitsap County Department of Public Works.

Each proposal or bid shall be completely sealed in a separate envelope, properly addressed as stated above, with the name and address of the bidder and the name of the project plainly written on the outside of the envelope. A complete bid proposal shall include the following:

1) Proposal Form
2) Bid Bond
3) Bidder Responsibility Statement
4) Certification of Compliance with Wage Payment Statutes
5) Non-Collusion Affidavit
6) Subcontractor List
7) Proposal for Incorporating Recycled Materials into the Project

All of the above items must be complete in all respects, including signatures (notarized where required). Bidder shall acknowledge receipt of all addendums in the spaces provided. The successful Bidder will be required to submit a photocopy of their current Washington State Contractors Registration. Failure to include all items may be cause for the bid to be considered irregular and thereby rejected.

Bids or proposals received after the time set for the opening of bids will not be considered.

Bidders are notified that all bids are likely to be rejected if the lowest responsible bid received exceeds the Engineer's estimate by an unreasonable amount.

Kitsap County reserves the right to award the bid in a manner and on a basis, which will best serve the County, taking into consideration the Bidder Responsibility Statement included with the bids and the requirements of the WSDOT/APWA Standard Specifications and the Contract Provisions.

The award of the contract, if made, shall be made to the responsible Bidder submitting the lowest responsive bid, based upon the total sum of the extension of unit prices for the bid items.

DESCRIPTION OF WORK

This contract is a roadway improvement project which provides for the construction of the Port Gamble Forest Heritage Park (PGFHP) North Gateway gravel parking lot including a gravel access road and a paved portion of Segment D of the Sound to

Olympics (STO) shared-use path in accordance with the Contract Documents. The engineer's estimate ranges from $1,000,000 to $2,000,000.

OBTAINING PLANS AND CONTRACT PROVISIONS:
Electronic copies of the Plans and Contract Provisions in PDF format are available on the internet through Kitsap County's website, Department of Public Works, Road Projects Open for Bid, located at http://kcowa.us/roadbid.

Paper copies of the Contract Plans and Provisions for the proposed work may be obtained from the Kitsap County Department of Public Works at 507 Austin Avenue, 3rd floor Reception Desk, Port Orchard, Washington for a non-refundable fee of $35.00 for each set plus $5.00 to cover postage and handling if mailing is requested. To order these Contract Documents or to obtain a Bid Proposal Package at no cost, please call 360-337-5777 or email at help@kitsap1.com. Plans and Contract Provisions will not be shipped until the fee is received.

To be added to the Plan Holder List, please complete the form available online at https://www.kitsapgov.com/pw/Pages/planholders.aspx. Any questions or issues, please call 360-337-5777 or email at help@kitsap1.com.

CONTACT PERSON
Any prospective Bidder having questions or desire an explanation or interpretation of the Bid Documents are requested to contact Michele Filley, Project Manager, at mfilley@kitsap.gov by close of business 5 business days preceding the bid opening.

General questions about the project may be addressed by contacting Michele Filley, Project Manager, at 360-271-1844, or at mfilley@kitsap.gov,

KITSAP COUNTY BOARD OF COMMISSIONERS

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PROPOSAL

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
COUNTY ROAD PROJECT NO. 1631
KITSAP COUNTY PARKS DEPARTMENT

PORT GAMBLE FOREST HERITAGE PARK (PGFHP)

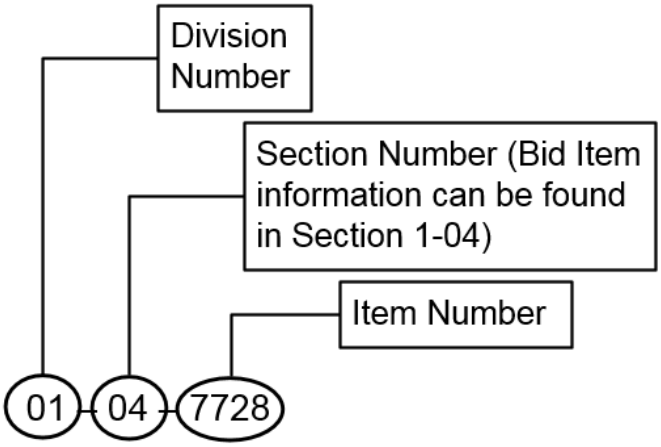
NORTH GATEWAY PARKING LOT
(STO – PORT GAMBLE TRAIL SEGMENT D1)

To the Honorable Board of Commissioners
Kitsap County
614 Division Street
Port Orchard, Washington 98366

1. Pursuant to and in compliance with your Advertisement for Bids and the other documents relating thereto, the undersigned Bidder, having familiarized themselves with the terms of the project related to those items herein bid, being aware of the local conditions affecting the performance of a Contract covering the items bid, having knowledge of the cost of the work at the place where the work is to be done, having familiarized themselves with the Contract Documents, hereby proposes and agrees to perform the work and/or to furnish the equipment, and to furnish any and all of the labor, materials, tools, expendable equipment and all utility and transportation services necessary to perform a Contract covering any or all of those items herein bid and to complete in a workmanlike manner all work covered by said Contract in connection with the Owner's Improvement Project, for an amount computed upon the basis of the quantity of work actually performed at the following bid prices:

NOTE: UNIT PRICES FOR ALL ITEMS, ALL EXTENSIONS, AND THE TOTAL AMOUNT OF BID MUST BE SHOWN. All prices shall be in legible figures (not words) written in ink or typed. The proposal shall include: A unit price for each item (omitting digits more than four places to the right of the decimal point); an extension for each unit price (omitting digits more than two places to the right of the decimal point); the total Contract price (the sum of all extensions).

COST CODE (a guide to locate Bid Item information – the Contracting Agency does not warrant its accuracy): The Cost Code for each Bid Item consists of the WSDOT/APWA Standard Specifications division number, the section number and the item number, in that order. An example is shown below:



Kitsap County-specific Bid Items are noted with "KC" at the end. Project-specific Bid Items are noted with "SP". Bid Items that have options (e.g. Plant Selection or Beam Guardrail Anchor Type X) are designated as such. Examples are shown below:

01-04-7728	**WSDOT Standard Bid Item**
01-07-0010KC	**Kitsap County Standard Bid Item**
05-05-SP01	**Project-specific Bid Item**
08-02-6550-AC	**WSDOT Standard Bid Item with Option**
08-11-6760-16	**WSDOT Standard Bid Item with Option (e.g. specific pipe size)**

NO.	COST CODE	ITEM	QTY	UNIT	UNIT COST	AMOUNT
1	01-04-7728	MINOR CHANGE	1	CALC	$20,000.00	$20,000.00
2	01-07-0010KC	PROTECTION & SUPPORT OF EXISTING UTILITIES	1	L.S.		
3	01-07-7725	REIMBURSEMENT FOR THIRD PARTY DAMAGE	5	EST.	$1.00	$5.00
4	01-07-7736	SPCC PLAN	1	L.S.		
5	01-08-7003	TYPE B PROGRESS SCHEDULE	1	L.S.		
6	01-09-0001	MOBILIZATION	1	L.S.		
7	02-01-0025	CLEARING AND GRUBBING (ACRE)	2.0	ACRE		
8	02-01 SP01	TREE REMOVAL INCL. STOCKPILE	100	EACH		
9	02-02-0050	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	1	L.S.		
10	02-03-0310	ROADWAY EXCAVATION INCL. HAUL	877	C.Y.		
11	02-03-0431	GRAVEL BORROW INCL. HAUL (TON)	5540	TON		
12	02-03-0470	EMBANKMENT COMPACTION	5540	C.Y.		
13	02-07-7018	WATER	100	MGAL		
14	02-09-7008KC	SHORING OR EXTRA EXCAVATION CLASS B (L.S.)	1	L.S.		
15	04-04-5100	CRUSHED SURFACING BASE COURSE (TON)	1600	TON		
16	04-04-5120	CRUSHED SURFACING TOP COURSE (TON)	270	TON		
17	04-04-SP01	LEDGE ROCK	1330	TON		
18	05-04-5767KC	HMA CL. 1/2 IN. PG 58H-22	150	TON		
19	07-01 SP01	DISPERSION TRENCH	1	L.S.		
20	07-04-3602	CORRUGATED POLYETHYLENE STORM SEWER PIPE 12 IN. DIAM.	262	L.F.		

21	07-05-3091KC	CATCH BASIN TYPE 1	3	EACH		
22	07-05-3111KC	BEEHIVE GRATE FOR CATCH BASIN	2	EACH		
23	07-12-6243KC	ADJUST VALVE BOX	4	EACH		
24	07-15-SP01	ADJUST WATER METER	1	EACH		
25	08-01-6489KC	NPDES CONSTRUCTION STORMWATER GENERAL PERMIT	1	L.S.		
26	08-01-6490KC	EROSION/WATER POLLUTION CONTROL (L.S.)	1	L.S.		
27	08-02-6408	TOPSOIL TYPE B (ACRE)	0.39	ACRE		
28	08-02-6422	SEEDING AND MULCHING	0.33	ACRE		
29	08-02-6529	SOIL AMENDMENT (ACRE)	0.30	ACRE		
30	08-02-6580KC	BARK OR WOOD CHIP MULCH (S.Y.)	1905	S.Y.		
31	08-02 SP01	LOG WHEEL STOP	35	EACH		
32	08-02-SP02	HABITAT LOG WITH ROOT WAD	16	EACH		
33	08-02-SP03	ROOT WAD	6	EACH		
34	08-02-SP04	RAPTOR PERCH	1	EACH		
35	08-02-SP05	ROCK PILE WITH LOG PERCH	5	EACH		
36	08-02-6550-AA	PLANT SELECTION SERVICEBERRY (AMELANCHIER ALNIFOLIA)	4	EACH		
37	08-02-6550-AC	PLANT SELECTION VINE MAPLE (ACER CIRCINATUM)	13	EACH		
38	08-02-6550-AU	PLANT SELECTION KINNIKINNICK (ARCTOSTAPHYLOS UVA-URSI)	241	EACH		
39	08-02-6550-BS	PLANT SELECTION DEER FERN (BLECHNUM SPICANT)	340	EACH		

40	08-02-6550-CK3	PLANT SELECTION KELSEY'S DWARF RED TWIG DOGWOOD (CORNUS SERICEA 'KELSEYI')	94	EACH		
41	08-02-6550-GS	PLANT SELECTION SALAL (GAULTHERIA SHALLON)	328	EACH		
42	08-02-6550-MA	PLANT SELECTION OREGON GRAPE (MAHONIA AQUIFOLIUM)	98	EACH		
43	08-02-6550-MC	PLANT SELECTION COMPACT OREGON GRAPE (MAHONIA AQUIFOLIUM 'COMPACTA')	161	EACH		
44	08-02-6550-PM2	PLANT SELECTION WESTERN SWORD FERN (POLYSTICHUM MUNITUM)	243	EACH		
45	08-02-6550-PM	PLANT SELECTION DOUGLAS-FIR (PSEUDOTSUGA MENZIESII)	12	EACH		
46	08-02-6550-RN	PLANT SELECTION NOOTKA ROSE (ROSA NUTKANA)	144	EACH		
47	08-02-6550-RS2	PLANT SELECTION SALMONBERRY (RUBUS SPECTABILIS)	10	EACH		
48	08-02-6550-SA	PLANT SELECTION COMMON WHITE SNOWBERRY (SYMPHORICARPOS ALBUS)	64	EACH		
49	08-02-6550-SR	PLANT SELECTION RED ELDERBERRY (SAMBUCUS RACEMOSA)	11	EACH		
50	08-02-6550-TP	PLANT SELECTION WESTERN RED CEDAR (THUJA PLICATA)	5	EACH		
51	08-04-7069	WHEEL STOP	4	EACH		
52	08-04-6701	CEMENT CONC. TRAFFIC CURB	80	LF		
53	08-12-SP01	DOUBLE ACCESS GATE	1	L.S.		
54	08-12-SP02	SINGLE ACCESS GATE	1	L.S.		
55	08-12-SP03	BOLLARD TYPE 2	7	EACH		
56	08-14-SP04	CEMENT CONC. PLAZA AND PARKING	290	SY		
57	08-14-SP05	CEMENT CONC. CURB RAMP TYPE THICKENED EDGE	1	EACH		

58	08-14-7058-PEA	CEMENT CONC. CURB RAMP TYPE PERPENDICULAR A	1	EACH		
59	08-15-0887	STREAMBED COBBLES 8 IN. (C.Y.)	33	C.Y.		
60	08-15-1085	QUARRY SPALLS (C.Y.)	4	C.Y.		
61	08-15-SP01	CHECK DAM	17	EACH		
62	08-21-6890	PERMANENT SIGNING	1	L.S.		
63	08-22-6807	PLASTIC LINE	670	L.F.		
64	08-22-9248	PLASTIC ACCESS PARKING SPACE SYMBOL WITH BACKGROUND	4	EACH		
65	08-22-6833	PLASTIC TRAFFIC ARROW	2	EACH		
66	08-22-6871	PLASTIC TRAFFIC LETTER	8	EACH		
67	08-22-SP01	PLASTIC WARNING BAND	120	L.F.		
68	08-26-SP01	OWNER PROVIDED PRE-ENGINEERED RESTROOM INCL. SITE PREP	1	L.S.		
69	08-27-7500KC	FIELD OFFICE BUILDING	1	L.S.		
70	08-28-SP01	BIORETENTION CELLS	1	L.S.		
71	08-33-SP01	BIKE RACK	4	EACH		
					CONTRACT SUBTOTAL	$
					SALES TAX (9.2%)	
					TOTAL CONTRACT COST	**$**

2. BIDDER SHALL INCLUDE SALES TAX IN THE LUMP SUM AND UNIT PRICE BID ITEMS in accordance with Section 1-07.2(1) of Special Provisions.

3. The undersigned Bidder hereby proposes and agrees to commence work under this Contract, if awarded to them, in accordance with Sections 1-08.4 and 1-08.5 of the Special Provisions. They further agree to complete the contract within **80 working days**.

4. The agreed liquidated damage to the Owner shall be in accordance with Liquidated Damages as described in the Standard Specifications, Amendments thereto, and Special Provisions.

5. The Owner reserves the right to delete all or any portions of the work as outlined in the Contract Documents.

6. The required bid security in the amount of five percent (5%) of the total bid is hereto attached.

7. It is understood that the Contractor is responsible for obtaining and completing all required government forms.

8. Receipt of the following Addenda to the Contract Document is hereby acknowledged.

ADDENDUM #	DATE OF RECEIPT OF ADDENDUM	SIGNED ACKNOWLEDGMENT
1		
2		
3		
4		
5		
6		

(Note: Failure to acknowledge receipt of the Addenda may be considered an irregularity in the proposal).

9. Notice of Acceptance of this bid or requests for additional information should be addressed to the undersigned at the address stated below and unless otherwise notified in writing, this address shall be used by the successful bidder during the life of the Contract for all official notices.

10. By signing this Proposal, the Bidder certifies that they have read and understand all of the terms and Conditions of the Contract Plans, Standard Specifications, the Amendments there to, and these Special Provisions, and agrees to comply with them.

Date: _____

Proper Name of Bidder (Type or Print): _____

By (Signature): _____

Name and Title (Type or Print Name and Title of Signatory): _____

Street Address: _____

City, State and Zip Code: _____

Telephone Number with Area Code: _____

Fax Number with Area Code: _____

Mailing Address, if different from above: _____

_____

E-mail Address (to be used by the County to send award documents) _____

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BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, as Principal, and _____as Surety, are hereby held and firmly bound unto Kitsap County Department of Public Works as Owner in the penal sum of _____for payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, successors and assigns. Signed this _____ day of _____ , 2025.
The Condition of the above obligation is such that whereas the Principal has submitted to Kitsap County Department of Public Works, a certain BID, attached hereto and made a part hereof to enter a contract in writing, for the _____

_____

_____

NOW, THEREFORE,

(a) If said BID be rejected, or

(b) If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attachment hereto (properly completed in accordance with said BID) and shall furnish a BOND for faithful performance of said contract, and for the payment of all persons performing labor and furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said BID, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its BOND shall be in no way impaired or affected by any extension of the time within which the OWNER may accept such BID; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are Corporations have set their Corporation seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____
Principal

_____
Surety

By:_____

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BIDDER RESPONSIBILITY STATEMENT

Each Bidder shall prepare and submit the following information with their bid.

By signing the signature page of the Proposal, the Bidder affirms that the following information is true and correct.

Name of Bidder: _____

Business Address: _____

A) MANDATORY BIDDER RESPONSIBILITY CRITERIA (RCW 39.04.350)

1. Washington State Contractors License Number: _____

   Effective Date: _____

2. State of Washington Unified Business Identifier (UBI) No.: _____

   _____

3. Do you have industrial insurance (workers' compensation) coverage for your employees working in Washington as required by Title 51 RCW?

   Yes: ☐ No: ☐ Not Applicable: ☐

4. Washington State Employment Security Department number as required by Title 51 RCW.

   Number: _____ Not Applicable: ☐

5. Washington State Department of Revenue state excise tax registration number as required by Title 82 RCW.

   Number: _____ Not Applicable: ☐

6. Have you ever been disqualified from bidding on any public works contract under RCW 39.06.010 or 39.12.065(3)?

   Yes: ☐ No: ☐

7. Have you received training on the requirements related to public works and prevailing wage?

   Yes: ☐ No: ☐ Exempt: ☐

B) SUPPLEMENTAL BIDDER RESPONSIBILITY CRITERIA (SPECIAL PROVISIONS SECTION 1-02.14)

1. Do you own delinquent taxes to the State of Washington Department of Revenue?

   Yes: ☐ No: ☐

2. Are you currently debarred or suspended from bidding by the Federal government?

   Yes: ☐ No: ☐

3. Does your standard subcontract form include the subcontract responsibility language required by RCW 39.06.020?

   Yes: ☐ No: ☐

4. Do you have any established procedure which your company utilizes to validate the responsibility of each of your subcontractors and any sub-tier contractors?

   Yes: ☐ No: ☐

5. Do you have any record of prevailing wage violations in the last 5 years as determined by the Washington State Department of Labor and Industries?

   Yes: ☐ No: ☐

6. Have you had any claims against retainage or payment bonds for public works projects in the last 3 years?

   Yes: ☐ No: ☐

7. Has your company or its owners been convicted of a crime involving bidding on a public works contract in the last 5 years?

   Yes: ☐ No: ☐

8. Has your company had any public works contract terminated for cause or terminated for default by a government agency in the last 5 years?

   Yes: ☐ No: ☐

9. Has your company had any lawsuits with judgments entered against the company in the last 5 years?

   Yes: ☐ No: ☐

C) CONTRACTING AGENCY SPECIFIC BIDDER RESPONSIBILITY CRITERIA (SPECIAL PROVISIONS SECTION 1-02.14)

1. Gross amount of contracts currently in hand: _____

2. Provide a list of more important construction projects completed by your company in the last 5 years. Include project name, year, approximate cost, name and current phone number of project engineer or owner:

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

_____

3. Bank references: _____

_____

4. Bonding company: _____

_____

Supporting documentation verifying that the bidder meets the supplemental and Contracting Agency specific responsibility criteria stated in Sections B and C above may be requested by the Contracting Agency in accordance with Section 1-02.14 of the Special Provisions.

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This form must be submitted with the Bid Proposal or as a Supplement to the Bid no later than 24 hours after the time for delivery of the Bid Proposal, as provided for in Section 1-02.9 of the Contract Provisions.

CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date **4/8/25**, 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.

I certify under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct.

_____
Bidder's Business Name

_____
Signature of Authorized Official*

_____
Printed Name

_____
Title

_____ _____ _____
Date City State

Check One:

Sole Proprietorship ☐ Partnership ☐ Joint Venture ☐ Corporation ☐

State of Incorporation, or if not a corporation, State where business entity was formed:

_____

If a co-partnership, give firm name under which business is transacted:

_____

** If a corporation, proposal must be executed in the corporate name by the president or vice-president (or any other corporate officer accompanied by evidence of authority to sign). If a co-partnership, proposal must be executed by a partner.*

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Failure to return this Declaration as part of the bid proposal package will make the bid nonresponsive and ineligible for award.

NON-COLLUSION DECLARATION FORM

I, by signing the proposal, hereby declare, under penalty of perjury under the laws of the United States that the following statements are true and correct:

1. That the undersigned person(s), firm, association or corporation has (have) not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with the project for which this proposal is submitted.
2. **That by signing the signature page of this proposal, I am deemed to have signed and to have agreed to the provisions of this declaration.**

NOTICE TO ALL BIDDERS

To report rigging activities call:

1-800-424-9071

The U.S. Department of Transportation (USDOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m., eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of USDOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the USDOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

DOT Form 272-036I EF
07/2011

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SUBCONTRACTOR LIST

Local Agency Name
Local Agency Address

Local Agency Subcontractor List

Prepared in compliance with RCW 39.30.060 as amended

To Be Submitted with the Bid Proposal

Project Name

Failure to list subcontractors with whom the bidder, if awarded the contract, will directly subcontract for performance of the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical, as described in Chapter 19.28 RCW or naming more than one subcontractor to perform the same work will result in your bid being non-responsive and therefore void.

Subcontractor(s) with whom the bidder will directly subcontract that are proposed to perform the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. The work to be performed is to be listed below the subcontractor(s) name.

To the extent the Project includes one or more categories of work referenced in RCW 39.30.060, and no subcontractor is listed below to perform such work, the bidder certifies that the work will either (i) be performed by the bidder itself, or (ii) be performed by a lower tier subcontractor who will not contract directly with the bidder.

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

Subcontractor Name

Work to be performed

* Bidder's are notified that it is the opinion of the enforcement agency that PVC or metal conduit, junction boxes, etc, are considered electrical equipment and therefore considered part of electrical work, even if the installation is for future use and no wiring or electrical current is connected during the project.

DOT Form 271-015A
Revised 06/2020

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PROPOSAL FOR INCORPORATING RECYCLED MATERIALS INTO THE PROJECT

APWA-WA Division 1 Committee rev. 5/13/2022

Proposal for Incorporating Recycled Materials into the Project

In compliance with RCW 70A.205.700, the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1)E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

Proposed total percentage: _____ percent.

Note: Use of recycled materials is highly encouraged within the limits shown above, but does not constitute a Bidder Preference, and will not affect the determination of award, unless two or more lowest responsive Bid totals are exactly equal, in which case proposed recycling percentages will be used as a tie-breaker, per the APWA GSP in Section 1-03.1 of the Special Provisions. Regardless, the Bidder's stated proposed percentages will become a goal the Contractor should do its best to accomplish. Bidders will be required to report on recycled materials actually incorporated into the Project, in accordance with the APWA GSP in Section 1-06.6 of the Special Provisions.

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AGREEMENT

This Agreement, made and entered into this _____ day of _____, 2025 by and between Kitsap County, through the BOARD OF COUNTY COMMISSIONERS of Kitsap County, State of Washington, hereinafter referred to as the "COUNTY", and, _____, a general Contractor licensed by the State of Washington, for themselves, their heirs, executors, administrators, successors, and assigns, hereinafter referred to as the "CONTRACTOR."

RECITALS:

WHEREAS, the COUNTY desires to construct the PGFHP North Gateway gravel parking lot, gravel access road and a portion of Segment D of the STO paved shared-use path in Commissioner District #1.

WHEREAS, the CONTRACTOR has been selected by competitive bid as the "responsible bidder with the lowest responsive bid," as defined under RCW 39.04.010;

NOW THEREFORE, in consideration of the mutual benefits and covenants contained herein, the COUNTY and the CONTRACTOR mutually agree as follows:

CONTRACT DOCUMENTS:
This Agreement hereby incorporates the recitals and the Contract Documents, which documents are incorporated herein by reference. The Contract Documents shall include, but shall not be limited to, the Contract Provisions for "**PGFHP North Gateway Parking Lot**", Call for Bids, Contractors accepted Bid Proposal, the General and Special Provisions, Contract Plans and Drawings, Addenda, applicable Bonds, and the 2024 WSDOT/APWA Standard Specifications for Road, Bridge, and Municipal Construction, hereinafter referred to as the "Standard Specifications", any amendments to the Standard Specifications, and this Agreement.

"The Work" as referred to in this Agreement means the definition described in WSDOT/APWA Standard Specifications Section 1-01.3

1) DESCRIPTION OF WORK:

This contract is a roadway improvement project which provides for the construction of the Port Gamble Forest Heritage Park (PGFHP) North Gateway gravel parking lot including a gravel access road and a paved portion of Segment D of the Sound to Olympics (STO) shared-use path in accordance with the Contract Documents.

The CONTRACTOR shall furnish all of the materials, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the project described herein, in accordance with the Contract Documents.

2) BINDING EFFECT:

The covenants and conditions contained in this Agreement shall apply to and bind the parties, heirs, legal representatives and assigns of the parties.

3) TIME IS OF THE ESSENCE:

The CONTRACTOR agrees to work promptly and to fully complete the work within the time limits as described in the Contract Documents. Failure to complete within the allowed time limit will subject the CONTRACTOR to Liquidated Damages, as described in Section 1-08.9, Liquidated Damages, of the Contract Documents.

4) TIME FOR COMPLETION:

The work to be performed under this Agreement shall commence and complete in accordance with Sections 1-08.4, Notice to Proceed and Prosecution of Work, and 1-08.5, Time for Completion, of the Contract Documents and Physically Completion of the work shall be achieved within **80 WORKING DAYS**, unless Contract Time is extended otherwise in accordance with the Contract Documents.

5) COMPENSATION:

The COUNTY agrees to pay the CONTRACTOR for the work described and completed according to the Contract Documents the sum of [spell out the amount in words and in numbers] ,$ _____. This sum shall include state sales tax.

6) INDEPENDENT CONTRACTOR:

The CONTRACTOR shall perform the services under this Agreement as an independent CONTRACTOR and not as an agent, employee or servant of the COUNTY. The parties agree that the CONTRACTOR is not entitled to any benefits or rights enjoyed by employees of the COUNTY. CONTRACTOR shall comply with all laws regarding workers' compensation.

7) DISCRIMINATION AND AMERICANS WITH DISABILITIES ACT (ADA):

The CONTRACTOR agrees to comply with all provisions of the Americans with Disabilities Act and all regulations interpreting or enforcing said Act. The CONTRACTOR agrees to comply with all Federal, State and County laws and regulations in effect pertaining to non-discrimination. Violation of this section may be treated as a breach of this Agreement.

8) LIABILITY FOR NEGLIGENCE:

The CONTRACTOR shall be liable for any additional expenses incurred by the COUNTY as a result of carelessness or negligence on the part of the CONTRACTOR, the CONTRACTOR's agents, or the CONTRACTOR's employees. The CONTRACTOR agrees that the COUNTY may deduct such additional costs on its own behalf from monies due, or to become due, to the CONTRACTOR.

9) TERMINATION:

This Agreement may be terminated by the officials or agents of the COUNTY authorized to contract for or supervise the execution of such work in accordance with Section 1-08.10 of the Standard Specifications.

10) MODIFICATION

There shall be no modification of this Agreement, except in writing, executed with the same formalities as this Agreement. Change Orders totaling less than $25,000 of the original contract amount may be executed by the Director of Public Works or their authorized agent. Change Orders totaling more than $25,000 but less than $75,000 of the original contract amount may be executed by the Country Administrator, or their authorized agent. Change Orders that exceed $75,000 of the total contract amount shall be valid provided they are executed by the Chair of the Board of County Commissioners or their authorized agent.

11) HOLD HARMLESS:

The CONTRACTOR shall indemnify and hold harmless the COUNTY and its officers and employees from, and shall process and defend at its own expense, all claims, demands or suits at law or equity arising in whole or in part from the CONTRACTOR's performance of any of its obligations under this Agreement; provided that nothing herein shall require the CONTRACTOR to indemnify the COUNTY against and hold harmless the COUNTY from claims, demands, or suits based upon the sole negligence of the COUNTY, its agents, officers, and employees; and provided further that if claims or suits are caused by or result from the concurrent negligence of (a) the CONTACTOR or CONTRACTOR's agents or employees, and (b) the COUNTY or COUNTY's agents, officers, or employees, this indemnity provision shall be valid and enforceable only to the extent of the CONTRACTOR's negligence or the negligence of the CONTRACTOR's agents or employees.

The CONTRACTOR expressly assumes potential liability for actions brought by the CONTRACTOR's own employees against the COUNTY; and, solely for the purpose of this indemnification and defense, the CONTRACTOR specifically waives any immunity under the state industrial insurance law, Title 51 RCW. The CONTRACTOR recognizes that this waiver was specifically entered into pursuant to the provisions of RCW 4.24.115 and was subject of mutual negotiation.

12) INSURANCE REQUIREMENTS:

Section 1-07.18 of the Special Provisions shall govern this Agreement.

13) VENUE AND CHOICE OF LAW:

Any action at law, suit in equity, or other judicial proceeding for the enforcement of this contract or any provisions thereof shall be instituted as provided for in RCW 36.01.050. It is mutually understood and agreed that this Agreement shall be governed by the laws of the State of Washington, both as to interpretation and performance.

14) INTEGRATION CLAUSE:

This instrument embodies the entire agreement of the parties. There are no promises, terms, conditions or obligations other than those contained herein; and this Agreement shall supersede all previous communications, representations or agreements, either verbal or written, between parties.

15) AUTHORIZATION:

Each party signing below warrants to the other party, that they have the full power and authority to execute this Agreement on behalf of the party for whom they sign.

16) COMPLIANCE WITH LAWS:

The CONTRACTOR shall comply with all applicable federal, state and local laws, rules and regulations in performing this Agreement.

17) SEVERABILITY:

a. If a court of competent jurisdiction holds any part, term or provision of this Agreement to be illegal, or invalid in whole or in part, the validity of the remaining provisions shall not be affected, and the parties rights and obligations shall be construed and enforced as if the Contract did not contain the particular provision held to be invalid.

b. If it should appear that any provision of this Agreement is in conflict with any statutory provision of the United States or State of Washington, said provision which may conflict therewith shall be deemed inoperative and null and void insofar as it may be in conflict therewith, and shall be deemed modified to conform to such statutory provision.

18) CONFLICTS PROVISION:

In the event language in this Contract conflicts with the requirements in the Standard Specifications, the language in the Contract controls.

19) RIGHTS and REMEDIES:

No action or failure to act by the COUNTY shall constitute a waiver of a right or duty afforded the COUNTY under the Contract Documents, nor shall such action or failure to act constitute approval of an acquiescence in a breach therein, except as may be specifically agreed in writing.

20) THIRD-PARTY AGREEMENTS:

Neither this Agreement nor the Contract Documents shall not be construed to create a contractual relationship of any kind between the COUNTY and any Subcontractor or any persons other than the COUNTY and the CONTRACTOR.

21) RECORDS RETENTION:

The wage, payroll, bid and cost records of the CONTRACTOR and its Subcontractors, and all records subject to audit in accordance with the Standard Specifications shall be

retained for a period of not less than six (6) years after the date of Final Acceptance of the Contract Documents.

22) PUBLIC RECORDS

The CONTRACTOR acknowledges the Agreement and all records associated with the Agreement shall be available to the COUNTY for inspection and copying by the public where required by the Public Records Act, Chapter 42.56 RCW ("Act"). To the extent that records in the custody of the CONTRACTOR are needed for the County to respond to a request under the Act, as determined by the County, the CONTRACTOR shall make them promptly available to the COUNTY at no cost to the COUNTY. If the CONTRACTOR considers any portion of any record, whether electronic or hard copy, to be protected from disclosure under the law, the CONTRACTOR shall clearly identify all specific information it claims to be confidential or proprietary. If the COUNTY receives a request under the Act to inspect or copy the information that has been identified by the CONTRACTOR as protected from disclosure and the COUNTY determines that release of the information is required by the ACT or otherwise appropriate, the County's sole obligation will be to make a reasonable effort to notify the CONTRACTOR of the request and the date that such protected information will be released to the requester unless the CONTRACTOR obtains a court order to enjoin disclosure pursuant to RCW 42.56.540. If the CONTRACTOR fails to timely obtain a court order enjoining disclosure, the COUNTY will release the requested information on the date specified. The COUNTY has no obligation on behalf of the CONTRACTOR to claim any exemption from disclosure under the ACT. The COUNTY will not be liable to the CONTRACTOR for releasing records in compliance with the Act, this subsection or court order.

23)CONTRACT BOND:

Payment and performance bonds for this project have been issued by _____, Surety Company of _____
Street address: _____ City: _____
Telephone: _____ Contact Person: _____
in the amount of _____.
IN WITNESS WHEREOF, the said CONTRACTOR has executed this instrument, and the said Board of County Commissioners of aforesaid COUNTY pursuant to resolution duly adopted has caused this instrument to be executed by and in the name of said Board by its Chair, duly attested by its Clerk, the day and year first above written, and the seal of said Board to be hereunto affixed on the date this instrument first above written.

CONTRACTOR	**BOARD OF COUNTY COMMISSIONERS** **KITSAP COUNTY, WASHINGTON**
_____	_____
	Christine Rolfes, Chair

BY _____

TITLE _____

_____

Oran Root, Commissioner

_____

Katherine T. Walters, Commissioner

Foregoing contract approved and ratified:

_____

ATTEST

_____

DANA DANIELS, Clerk of the Board

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PUBLIC WORKS PAYMENT BOND

to _____, WA

Bond No. _____

_____, Washington, (_____) has awarded to _____ (Principal), a Contract for the construction of the project designated as _____, Project No. _____, in _____, Washington (Contract), and said Principal is required under the terms of that Contract to furnish a payment bond in accord with Title 39.08 Revised Code of Washington (RCW) and (where applicable) 60.28 RCW.

The Principal and _____ (Surety), a corporation organized under the laws of the State of _____ and licensed to do business in the State of Washington as surety and named in the current list of "Surety Companies Acceptable in Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Dept., are jointly and severally held and firmly bound to _____, in the sum of _____ US Dollars ($_____) Total Contract Amount, subject to the provisions herein.

This statutory payment bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall pay all persons in accordance with RCW Titles 60.28, 39.08, and 39.12 including all workers, laborers, mechanics, subcontractors, lower tier subcontractors, and material suppliers, and all persons who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work, and all taxes incurred on said Contract under Title 50 and 51 RCW and all taxes imposed on the Principal under Title 82 RCW; and if such payment obligations have not been fulfilled, this bond shall remain in full force and effect.

The Surety agrees to indemnify, defend, and protect the _____ against any claim of direct or indirect loss resulting from the failure of the Principal, its heirs, executors, administrators, successors, or assigns, (or the subcontractors or lower tier subcontractors of the Principal) to pay all laborers, mechanics, subcontractors, lower tier subcontractors materialpersons, and all persons who shall supply such contractor or subcontractors with provisions and supplies for the carrying on of such work.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, except as provided herein, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

This bond may be executed in two (2) original counterparts, and shall be signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed and original power of attorney for the officer executing on behalf of the surety.

The Surety agrees to be bound by the laws of the state of Washington and subjected to the jurisdiction of the state of Washington.

PRINCIPAL		SURETY	
_____		_____	
Principal Signature	Date	Surety Signature	Date
_____		_____	
Printed Name		Printed Name	
_____		_____	
Title		Title	

Local office/agent of Surety Company:

Name _____ Telephone _____

Address _____

DOT Form 272-003A EF
12/2019

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PUBLIC WORKS PERFORMANCE BOND

to _____, WA

Bond No. _____

_____, Washington, (_____) has awarded to _____ (Principal), a Contract for the construction of the project designated as _____, Project No. _____, in _____, Washington (Contract), and said Principal is required under the terms of that Contract to furnish a bond for performance of all obligations under the Contract.

The Principal, and _____ (Surety), a corporation organized under the laws of the State of _____ and licensed to do business in the State of Washington as surety and named in the current list of "Surety Companies Acceptable in Federal Bonds" as published in the Federal Register by the Audit Staff Bureau of Accounts, U.S. Treasury Dept., are jointly and severally held and firmly bound to the _____, in the sum of _____ US Dollars ($_____) Total Contract Amount, subject to the provisions herein.

This statutory performance bond shall become null and void, if and when the Principal, its heirs, executors, administrators, successors, or assigns shall well and faithfully perform all of the Principal's obligations under the Contract and fulfill all the terms and conditions of all duly authorized modifications, additions, and changes to said Contract that may hereafter be made, at the time and in the manner therein specified; and if such performance obligations have not been fulfilled, this bond shall remain in full force and effect.

The Surety agrees to indemnify, defend, and protect the _____ against any claim of direct or indirect loss resulting from the failure of the Principal, its heirs, executors, administrators, successors, or assigns (or any of the employees, subcontractors, or lower tier subcontractors of the Principal) to faithfully perform the Contract.

The Surety for value received agrees that no change, extension of time, alteration or addition to the terms of the Contract, the specifications accompanying the Contract, or to the work to be performed under the Contract shall in any way affect its obligation on this bond, and waives notice of any change, extension of time, alteration or addition to the terms of the Contract or the work performed. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this bond and notice to Surety is not required for such increased obligation.

This bond may be executed in two (2) original counterparts, and shall be signed by the parties' duly authorized officers. This bond will only be accepted if it is accompanied by a fully executed and original power of attorney for the officer executing on behalf of the surety.

The Surety agrees to be bound by the laws of the state of Washington and subjected to the jurisdiction of the state of Washington.

PRINCIPAL		SURETY	
_____		_____	
Principal Signature	Date	Surety Signature	Date
_____		_____	
Printed Name		Printed Name	
_____		_____	
Title		Title	

Local office/agent of Surety Company:

Name _____ Telephone _____

Address _____

DOT Form 272-002A
12/2019

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SPECIAL PROVISIONS

KITSAP COUNTY DEPARTMENT OF PUBLIC WORKS
COUNTY ROAD PROJECT NO. 1631

PORT GAMBLE FOREST HERITAGE PARK (PGFHP)

NORTH GATEWAY PARKING LOT
(STO – PORT GAMBLE TRAIL SEGMENT D1)

The Professional Engineer's seal and signature affixed hereon indicates this Engineer's review and participation in the preparation of the Special Provisions.

03/28/2025

Kristina B. Nelson
Senior Program Manager - Engineering
Division 1

03/10/2025

Mallory K. Wilde
Senior Consultant
Division 2 - 9

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INTRODUCTION TO THE SPECIAL PROVISIONS

(January 4, 2024 APWA GSP, Option A)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2024 edition, as issued by the Washington State Department of Transportation (WSDOT) and the American Public Works Association (APWA), Washington State Chapter (hereafter "Standard Specifications"). The Standard Specifications, as modified or supplemented by these Special Provisions, all of which are made a part of the Contract Documents, shall govern all of the Work.

These Special Provisions are made up of both General Special Provisions (GSPs) from various sources, which may have project-specific fill-ins; and project-specific Special Provisions. Each Provision either supplements, modifies, or replaces the comparable Standard Specification, or is a new Provision. The deletion, amendment, alteration, or addition to any subsection or portion of the Standard Specifications is meant to pertain only to that particular portion of the section, and in no way should it be interpreted that the balance of the section does not apply.

The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(March 8, 2013 APWA GSP)
(April 1, 2013 WSDOT GSP)
(May 1, 2013 KC GSP)Agency Special Provision

Project specific special provisions are labeled without a date as such:
(*****)

Also incorporated into the Contract Documents by reference are:

- *Manual on Uniform Traffic Control Devices for Streets and Highways*, currently adopted edition, with Washington State modifications, if any
- *Standard Plans for Road, Bridge and Municipal Construction*, WSDOT Manual M21-01, current edition

Contractor shall obtain copies of these publications, at Contractor's own expense.

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DIVISION 1 GENERAL REQUIREMENTS

Description of Work

(March 13, 1995 WSDOT GSP)
This Contract provides for the improvement of the Port Gamble Forest Heritage Park (PGFHP) North Gateway gravel parking lot including a gravel access road and a paved portion of Segment D of the Sound to Olympics (STO) shared-use path in accordance with the Contract Documents and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

1-01 DEFINITIONS AND TERMS

1-01.3 Definitions
(January 19, 2022 APWA GSP)

Delete the heading Completion Dates and the three paragraphs that follow it, and replace them with the following:

Dates

Bid Opening Date
The date on which the Contracting Agency publicly opens and reads the Bids.

Award Date
The date of the formal decision of the Contracting Agency to accept the lowest responsible and responsive Bidder for the Work.

Contract Execution Date
The date the Contracting Agency officially binds the Agency to the Contract.

Notice to Proceed Date
The date stated in the Notice to Proceed on which the Contract time begins.

Substantial Completion Date
The day the Engineer determines the Contracting Agency has full and unrestricted use and benefit of the facilities, both from the operational and safety standpoint, any remaining traffic disruptions will be rare and brief, and only minor incidental work, replacement of temporary substitute facilities, plant establishment periods, or correction or repair remains for the Physical Completion of the total Contract.

Physical Completion Date
The day all of the Work is physically completed on the project. All documentation required by the Contract and required by law does not necessarily need to be furnished by the Contractor by this date.

Completion Date

The day all the Work specified in the Contract is completed and all the obligations of the Contractor under the contract are fulfilled by the Contractor. All documentation required by the Contract and required by law must be furnished by the Contractor before establishment of this date.

Final Acceptance Date
The date on which the Contracting Agency accepts the Work as complete.

Supplement this Section with the following:

All references in the Standard Specifications or WSDOT General Special Provisions, to the terms “Department of Transportation”, “Washington State Transportation Commission”, “Commission”, “Secretary of Transportation”, “Secretary”, “Headquarters”, and “State Treasurer” shall be revised to read “Contracting Agency”.

All references to the terms “State” or “state” shall be revised to read “Contracting Agency” unless the reference is to an administrative agency of the State of Washington, a State statute or regulation, or the context reasonably indicates otherwise.

All references to “State Materials Laboratory” shall be revised to read “Contracting Agency designated location”.

All references to “final contract voucher certification” shall be interpreted to mean the Contracting Agency form(s) by which final payment is authorized, and final completion and acceptance granted.

Additive
A supplemental unit of work or group of bid items, identified separately in the Bid Proposal, which may, at the discretion of the Contracting Agency, be awarded in addition to the base bid.

Alternate
One of two or more units of work or groups of bid items, identified separately in the Bid Proposal, from which the Contracting Agency may make a choice between different methods or material of construction for performing the same work.

Business Day
A business day is any day from Monday through Friday except holidays as listed in Section 1-08.5.

Contract Bond
The definition in the Standard Specifications for “Contract Bond” applies to whatever bond form(s) are required by the Contract Documents, which may be a combination of a Payment Bond and a Performance Bond.

Contract Documents
See definition for “Contract”.

Contract Time
The period of time established by the terms and conditions of the Contract within which the Work must be physically completed.

Notice of Award
The written notice from the Contracting Agency to the successful Bidder signifying the Contracting Agency’s acceptance of the Bid Proposal.

Notice to Proceed
The written notice from the Contracting Agency or Engineer to the Contractor authorizing and directing the Contractor to proceed with the Work and establishing the date on which the Contract time begins.

Traffic
Both vehicular and non-vehicular traffic, such as pedestrians, bicyclists, wheelchairs, and equestrian traffic.

1-02 BID PROCEDURES AND CONDITIONS

1-02.1 Prequalification of Bidders

Delete this section and replace it with the following:

1-02.1 Qualifications of Bidder
(January 24, 2011 APWA GSP)

Before award of a public works contract, a bidder must meet at least the minimum qualifications of RCW 39.04.350(1) to be considered a responsible bidder and qualified to be awarded a public works project.

Add the following new section:

1-02.1(1) Supplemental Qualifications Criteria
(July 31, 2017 APWA GSP)

In addition, the Contracting Agency has established Contracting Agency-specific and/or project-specific supplemental criteria, in accordance with RCW 39.04.350(3), for determining Bidder responsibility, including the basis for evaluation and the deadline for appealing a determination that a Bidder is not responsible. These criteria are contained in Section 1-02.14 Option C of these Special Provisions.

1-02.2 Plans and Specifications

(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

Information as to where Bid Documents can be obtained or reviewed can be found in the Call for Bids (Advertisement for Bids) for the work.

After award of the contract, plans and specifications will be issued to the Contractor at no cost as detailed below:

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	5	Furnished automatically upon award.
Contract Provisions	5	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	5	Furnished automatically upon award.

Additional plans and Contract Provisions may be obtained by the Contractor from the source stated in the Call for Bids, at the Contractor's own expense.

1-02.4 Examination of Plans, Specifications and Site of Work

1-02.4(1) General
(December 30, 2022 APWA GSP, Option B)

The first sentence of the ninth paragraph, beginning with "Prospective Bidder desiring…", is revised to read:

Prospective Bidders desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing by close of business 5 business days preceding the bid opening to allow a written reply to reach all prospective Bidders before the submission of their Bids.

1-02.5 Proposal Forms
(July 31, 2017 APWA GSP)

Delete this section and replace it with the following:

The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's

name, address, telephone number, and signature; the bidder's UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.

The Contracting Agency reserves the right to arrange the proposal forms with alternates and additives, if such be to the advantage of the Contracting Agency. The bidder shall bid on all alternates and additives set forth in the Proposal Form unless otherwise specified.

1-02.6 Preparation of Proposal

(November 25, 2024 APWA GSP Option B)
Supplement the second paragraph with the following:

4. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.

Delete the last two paragraphs, and replace them with the following:

(November 25, 2024 APWA GSP, Option B)
The Bidder shall submit with their Bid a completed Contractor Certification Wage Law Compliance form, provided by the Contracting Agency. Failure to return this certification as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A Contractor Certification of Wage Law Compliance form is included in the Proposal Forms.

The Bidder shall make no stipulation on the Bid Form, nor qualify the bid in any manner.

A bid by a corporation shall be executed in the corporate name, by the president or a vice president (or other corporate officer accompanied by evidence of authority to sign).

A bid by a partnership shall be executed in the partnership name and signed by a partner.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture.

Subcontractor's List
(November 25, 2024 APWA GSP 1-02.6, Option C)
The fourth paragraph of Section 1-02.6 is revised to read:

The Bidder shall submit with the Bid the completed Subcontractor List included in the Contracting Agency Proposal Package. If a Subcontractor List Form is not included in the package, use DOT Form 271-015A. The Form shall contain the following:

1. Subcontractors who will perform the work of structural steel installation, rebar installation, heating, ventilation, air conditioning, and plumbing as described in RCW 18.106 and electrical as described in RCW 19.28,
2. The Work those subcontractors will perform on the Contract as described in RCW 39.30.060; and
3. No more than one subcontractor for each category of work identified, except, when subcontractors vary with Bid alternates, in which case the Bidder shall identify which subcontractor will be used for which alternate.

Add the following new section:

1-02.6(1) Recycled Materials Proposal
(January 4, 2016 APWA GSP)

The Bidder shall submit with the Bid, its proposal for incorporating recycled materials into the project, using the form provided in the Contract Provisions.

1-02.7 Bid Deposit
(March 8, 2013 APWA GSP)

Supplement this section with the following:

Bid bonds shall contain the following:

1. Contracting Agency-assigned number for the project;
2. Name of the project;
3. The Contracting Agency named as obligee;
4. The amount of the bid bond stated either as a dollar figure or as a percentage which represents five percent of the maximum bid amount that could be awarded;
5. Signature of the bidder's officer empowered to sign official statements. The signature of the person authorized to submit the bid should agree with the signature on the bond, and the title of the person must accompany the said signature;
6. The signature of the surety's officer empowered to sign the bond and the power of attorney.

If so stated in the Contract Provisions, bidder must use the bond form included in the Contract Provisions.

If so stated in the Contract Provisions, cash will not be accepted for a bid deposit.

1-02.9 Delivery of Proposal

(*****)

Delete this section and replace it with the following:

Each Proposal shall be submitted in a sealed envelope, with the Project Name and Project Number as stated in the Call for Bids clearly marked on the outside of the envelope, or as otherwise required in the Bid Documents, to ensure proper handling and delivery.

Supplemental bid information submitted after the proposal submittal but within 48 hours of the time and date the proposal is due, the document(s) shall be submitted as follows:

1. By facsimile to the following FAX number: (360) 337-4867 or
2. By e-mail to the following e-mail address: tsmith@kitsap.gov

All other information required to be submitted with the Bid Proposal must be submitted with the Bid Proposal itself, at the time stated in the Call for Bids.

Proposals that are received as required will be publicly opened and read as specified in Section 1-02.12. The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids. The Contracting Agency will not open or consider any "Supplemental Information" (DBE confirmations or GFE documentation) that is received after the time specified above, or received in a location other than that specified above.

If an emergency or unanticipated event interrupts normal work processes of the Contracting Agency so that Proposals cannot be received at the office designated for receipt of bids as specified in Section 1-02.12 the time specified for receipt of the Proposal will be deemed to be extended to the same time of day specified in the solicitation on the first workday on which the normal work processes of the Contracting Agency resume.

1-02.10 Withdrawing, Revising, or Supplementing Proposal

(July 23, 2015 APWA GSP)

Delete this section, and replace it with the following:

After submitting a physical Bid Proposal to the Contracting Agency, the Bidder may withdraw, revise, or supplement it if:

1. The Bidder submits a written request signed by an authorized person and physically delivers it to the place designated for receipt of Bid Proposals, and
2. The Contracting Agency receives the request before the time set for receipt of Bid Proposals, and
3. The revised or supplemented Bid Proposal (if any) is received by the Contracting Agency before the time set for receipt of Bid Proposals.

If the Bidder's request to withdraw, revise, or supplement its Bid Proposal is received before the time set for receipt of Bid Proposals, the Contracting Agency will return the unopened Proposal package to the Bidder. The Bidder must then submit the revised or supplemented package in its entirety. If the Bidder does not submit a revised or supplemented package, then its bid shall be considered withdrawn.

Late revised or supplemented Bid Proposals or late withdrawal requests will be date recorded by the Contracting Agency and returned unopened. Mailed, emailed, or faxed requests to withdraw, revise, or supplement a Bid Proposal are not acceptable.

1-02.13 Irregular Proposals
(September 3, 2024 APWA GSP)

Delete this section and replace it with the following:

1. A Proposal will be considered irregular and will be rejected if:
    a. The Bidder is not prequalified when so required;
    b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
    c. A price per unit cannot be determined from the Bid Proposal;
    d. The Proposal form is not properly executed;
    e. The Bidder fails to submit or properly complete a subcontractor list (WSDOT Form 271-015), if applicable, as required in Section 1-02.6;
    f. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification (WSDOT Form 272-056), if applicable, as required in Section 1-02.6;
    g. The Bidder fails to submit Written Confirmations (WSDOT Form 422-031) from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidder's DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
    h. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award in accordance with Section 1-07.11;

i. The Bidder fails to submit a DBE Bid Item Breakdown (WSDOT Form 272-054), if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
j. The Bidder fails to submit the Bidder Questionnaire (DOT Form 272-022), if applicable as required by Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions; or
k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

2. A Proposal may be considered irregular and may be rejected if:
   a. The Proposal does not include a unit price for every Bid item;
   b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
   c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
   d. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
   e. Receipt of Addenda is not acknowledged;
   f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
   g. If Proposal form entries are not made in ink.

1-02.14 Disqualification of Bidders
(May 17, 2018 APWA GSP, Option C)

Delete this section and replace it with the following:

A Bidder will be deemed not responsible if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended; or does not meet Supplemental Criteria 1-8 in this Section:

The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1), and Supplemental Criteria 1-2. Evidence that the Bidder meets Supplemental Criteria 3-8 shall be provided by the Bidder as stated later in this Section.

1. **Delinquent State Taxes**

   A. Criterion: The Bidder shall not owe delinquent taxes to the Washington State Department of Revenue without a payment plan approved by the Department of Revenue.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder does not owe delinquent taxes to the Washington State Department of Revenue, or if delinquent taxes are owed to the Washington State Department of Revenue, the Bidder must submit a written payment plan approved by the Department of Revenue, to the Contracting Agency by the deadline listed below.

2. **Federal Debarment**

A. Criterion: The Bidder shall not currently be debarred or suspended by the Federal government.

B. Documentation: The Bidder shall not be listed as having an "active exclusion" on the U.S. government's "System for Award Management" database (www.sam.gov).

3. **Subcontractor Responsibility**

A. Criterion: The Bidder's standard subcontract form shall include the subcontractor responsibility language required by RCW 39.06.020, and the Bidder shall have an established procedure which it utilizes to validate the responsibility of each of its subcontractors. The Bidder's subcontract form shall also include a requirement that each of its subcontractors shall have and document a similar procedure to determine whether the sub-tier subcontractors with whom it contracts are also "responsible" subcontractors as defined by RCW 39.06.020.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a copy of its standard subcontract form for review by the Contracting Agency, and a written description of its procedure for validating the responsibility of subcontractors with which it contracts.

4. **Claims Against Retainage and Bonds**

A. Criterion: The Bidder shall not have a record of excessive claims filed against the retainage or payment bonds for public works projects in the three years prior to the bid submittal date, that demonstrate a lack of effective management by the Bidder of making timely and appropriate payments to its subcontractors, suppliers, and workers, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall submit a list of the public works projects completed in the three years prior

to the bid submittal date that have had claims against retainage and bonds and include for each project the following information:

- Name of project
- The owner and contact information for the owner;
- A list of claims filed against the retainage and/or payment bond for any of the projects listed;
- A written explanation of the circumstances surrounding each claim and the ultimate resolution of the claim.

5. **Public Bidding Crime**

A. Criterion: The Bidder and/or its owners shall not have been convicted of a crime involving bidding on a public works contract in the five years prior to the bid submittal date.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder and/or its owners have not been convicted of a crime involving bidding on a public works contract.

6. **Termination for Cause / Termination for Default**

A. Criterion: The Bidder shall not have had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any public works contract terminated for cause or terminated for default by a government agency in the five years prior to the bid submittal date; or if Bidder was terminated, describe the circumstances.

7. **Lawsuits**

A. Criterion: The Bidder shall not have lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, unless there are extenuating circumstances and such circumstances are deemed acceptable to the Contracting Agency.

B. Documentation: The Bidder, if and when required as detailed below, shall sign a statement (on a form to be provided by the Contracting Agency) that the Bidder has not had any lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date that demonstrate a pattern of failing to meet the terms of contracts, or shall submit a list of all lawsuits with judgments entered against the Bidder in the five years prior to the bid submittal date, along with a written explanation of the circumstances surrounding each such lawsuit. The Contracting Agency shall evaluate these explanations to determine whether the lawsuits demonstrate a pattern of failing to meet of terms of construction related contracts.

8. **Contracting Agency Specific Criteria**

A. Criterion: Bidders shall supply the following information:

1. Dollar amount of contracts currently held by the bidder,
2. List of more important construction projects completed by your company in the last 5 years,
3. Bank references, and
4. Bonding company.

B. Documentation: The required information shall be included in Section C of the Bidder Responsibility Statement.

As evidence that the Bidder meets the Supplemental Responsibility Criteria stated above, the apparent low Bidder must submit to the Contracting Agency by 12:00 P.M. (noon) of the second business day following the bid submittal deadline, a written statement verifying that the Bidder meets the Supplemental Criteria together with supporting documentation (sufficient in the sole judgment of the Contracting Agency) demonstrating compliance with the Supplemental Responsibility Criteria. The Contracting Agency reserves the right to request further documentation as needed from the low bidder and documentation from other Bidders as well to assess Bidder responsibility and compliance with all bidder responsibility criteria. The Contracting Agency also reserves the right to obtain information from third parties and independent sources of information concerning a Bidder's compliance with the mandatory and supplemental criteria, and to use that information in their evaluation. The Contracting Agency may consider mitigating factors in determining whether the Bidder complies with the requirements of the Supplemental Criteria.

The basis for evaluation of Bidder compliance with these mandatory and Supplemental Criteria shall include any documents or facts obtained by Contracting Agency (whether from the Bidder or third parties) including but not limited to: (i) financial, historical, or operational data from the Bidder; (ii)

information obtained directly by the Contracting Agency from others for whom the Bidder has worked, or other public agencies or private enterprises; and (iii) any additional information obtained by the Contracting Agency which is believed to be relevant to the matter.

If the Contracting Agency determines the Bidder does not meet the bidder responsibility criteria above and is therefore not a responsible Bidder, the Contracting Agency shall notify the Bidder in writing, with the reasons for its determination. If the Bidder disagrees with this determination, it may appeal the determination within two (2) business days of the Contracting Agency's determination by presenting its appeal and any additional information to the Contracting Agency. The Contracting Agency will consider the appeal and any additional information before issuing its final determination. If the final determination affirms that the Bidder is not responsible, the Contracting Agency will not execute a contract with any other Bidder until at least two business days after the Bidder determined to be not responsible has received the Contracting Agency's final determination.

Request to Change Supplemental Bidder Responsibility Criteria Prior To Bid: Bidders with concerns about the relevancy or restrictiveness of the Supplemental Bidder Responsibility Criteria may make or submit requests to the Contracting Agency to modify the criteria. Such requests shall be in writing, describe the nature of the concerns, and propose specific modifications to the criteria. Bidders shall submit such requests to the Contracting Agency no later than five (5) business days prior to the bid submittal deadline and address the request to the Project Engineer or such other person designated by the Contracting Agency in the Bid Documents.

1-02.15 Pre Award Information
(December 30, 2022 APWA GSP)

Revise this section to read:

Before awarding any contract, the Contracting Agency may require one or more of these items or actions of the apparent lowest responsible bidder:

1. A complete statement of the origin, composition, and manufacture of any or all materials to be used,
2. Samples of these materials for quality and fitness tests,
3. A progress schedule (in a form the Contracting Agency requires) showing the order of and time required for the various phases of the work,
4. A breakdown of costs assigned to any bid item,
5. Attendance at a conference with the Engineer or representatives of the Engineer,
6. Obtain, and furnish a copy of, a business license to do business in the city or county where the work is located.

7. Any other information or action taken that is deemed necessary to ensure that the bidder is the lowest responsible bidder.

1-03 AWARD AND EXECUTION OF CONTRACT

1-03.1 Consideration of Bids

(December 30, 2022 APWA GSP)

Revise the first paragraph to read:

After opening and reading proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any bid item, the price per unit will control. If a minimum bid amount has been established for any item and the bidder's unit or lump sum price is less than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the amount of the contract bond.

1-03.1(1) Identical Bid Totals

(December 30, 2022 APWA GSP)

Revise this section to read:

After opening Bids, if two or more lowest responsive Bid totals are exactly equal, then the tie-breaker will be the Bidder with an equal lowest bid, that proposed to use the highest percentage of recycled materials in the Project, per the form submitted with the Bid Proposal. If those percentages are also exactly equal, then the tie-breaker will be determined by drawing as follows: Two or more slips of paper will be marked as follows: one marked "Winner" and the other(s) marked "unsuccessful". The slips will be folded to make the marking unseen. The slips will be placed inside a box. One authorized representative of each Bidder shall draw a slip from the box. Bidders shall draw in alphabetic order by the name of the firm as registered with the Washington State Department of Licensing. The slips shall be unfolded and the firm with the slip marked "Winner" will be determined to be the successful Bidder and eligible for Award of the Contract. Only those Bidders who submitted a Bid total that is exactly equal to the lowest responsive Bid, and with a proposed recycled materials percentage that is exactly equal to the highest proposed recycled materials amount, are eligible to draw.

1-03.3 Execution of Contract

(July 8, 2024 APWA GSP Option A)

Revise this section to read:

Within **3** calendar days of Award date (not including Saturdays, Sundays and Holidays), the successful Bidder shall provide the information necessary to execute the Contract to the Contracting Agency. The Bidder shall send the contact information, including the full name, email address, and phone number, for the authorized signer and bonding agent to the Contracting Agency.

Copies of the Contract Provisions, including the unsigned Form of Contract, will be available for signature by the successful bidder on the first business day following award. The number of copies to be executed by the Contractor will be determined by the Contracting Agency.

Within **10** calendar days after the award date, the successful bidder shall return the signed Contracting Agency-prepared contract, an insurance certification as required by Section 1-07.18, a satisfactory bond as required by law and Section 1-03.4, the Transfer of Coverage form for the Construction Stormwater General Permit with sections I, III, and VIII completed when provided. Before execution of the contract by the Contracting Agency, the successful bidder shall provide any pre-award information the Contracting Agency may require under Section 1-02.15.

Until the Contracting Agency executes a contract, no proposal shall bind the Contracting Agency nor shall any work begin within the project limits or within Contracting Agency-furnished sites. The Contractor shall bear all risks for any work begun outside such areas and for any materials ordered before the contract is executed by the Contracting Agency.

If the bidder experiences circumstances beyond their control that prevents return of the contract documents within the calendar days after the award date stated above, the Contracting Agency may grant up to a maximum of **10** additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4 Contract Bond
(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

The successful bidder shall provide executed payment and performance bond(s) for the full contract amount. The bond may be a combined payment and performance bond; or be separate payment and performance bonds. In the case of separate payment and performance bonds, each shall be for the full contract amount. The bond(s) shall:

1. Be on Contracting Agency-furnished form(s);
2. Be signed by an approved surety (or sureties) that:
   a. Is registered with the Washington State Insurance Commissioner, and
   b. Appears on the current Authorized Insurance List in the State of Washington published by the Office of the Insurance Commissioner,
3. Guarantee that the Contractor will perform and comply with all obligations, duties, and conditions under the Contract, including but not limited to the duty and obligation to indemnify, defend, and protect the Contracting Agency against all losses and claims related directly or indirectly from any failure:
   a. Of the Contractor (or any of the employees, subcontractors, or lower tier subcontractors of the Contractor) to faithfully perform and comply with all contract obligations, conditions, and duties, or
   b. Of the Contractor (or the subcontractors or lower tier subcontractors of the Contractor) to pay all laborers, mechanics, subcontractors, lower tier subcontractors, material person, or any other person who provides supplies or provisions for carrying out the work;
4. Be conditioned upon the payment of taxes, increases, and penalties incurred on the project under titles 50, 51, and 82 RCW; and
5. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
6. Be signed by an officer of the Contractor empowered to sign official statements (sole proprietor or partner). If the Contractor is a corporation, the bond(s) must be signed by the president or vice president, unless accompanied by written proof of the authority of the individual signing the bond(s) to bind the corporation (i.e., corporate resolution, power of attorney, or a letter to such effect signed by the president or vice president).

1-03.7 Judicial Review

(December 30, 2022 APWA GSP)

Revise this section to read:

All decisions made by the Contracting Agency regarding the Award and execution of the Contract or Bid rejection shall be conclusive subject to the scope of judicial review permitted under Washington Law. Such review, if any, shall be timely filed in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction.

1-04 SCOPE OF WORK

1-04.2 Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda

(December 30, 2022 APWA GSP)

Revise the second paragraph to read:

Any inconsistency in the parts of the contract shall be resolved by following this order of precedence (e.g., 1 presiding over 2, 2 over 3, 3 over 4, and so forth):

1. Addenda,
2. Proposal Form,
3. Special Provisions,
4. Contract Plans,
5. Standard Specifications,
6. Contracting Agency's Standard Plans or Details (if any), and
7. WSDOT Standard Plans for Road, Bridge, and Municipal Construction.

1-04.4 Minor Changes

(January 19, 2022 APWA GSP)

The first two sentences of the last paragraph of Section 1-04.4 are deleted.

1-04.6 Variation in Estimated Quantities

(*****)

Supplement this section with the following:

The quantities for Tree Removal Incl. Stockpile have been entered into the Proposal only to provide a common proposal for bidders. Actual quantities will be determined in the field as the work progresses, and will be paid at the original bid price, regardless of final quantity. These bid items shall not be subject to the provisions of 1-04.6 of the Standard Specifications.

1-05 CONTROL OF WORK

1-05.3 Working Drawings

Supplement this section with the following:

(November 29, 2022 KC GSP)

1-05.3(1) Submittals

The Contractor shall not install materials or equipment, which requires submittals, until reviewed by the Contracting Agency. Late submissions by the Contractor shall not be cause for time extension.

Submittals shall be made per Submittal Number and Revision assigned by the Contracting Agency's project management software, rather than per material. The Contractor shall be responsible for ensuring that each submittal includes cut sheets and/or other information for all pertinent materials necessary to complete the work for each Submittal Number. It is understood that producing submittals for each Submittal Number may require multiple submittals of common materials that are associated with more than one Submittal Number. The Contractor shall also be responsible for producing submittals that may only be associated with a Specification Section, not a particular Submittal Number.

The Contractor shall submit electronic copies of each submittal required by the Contract Documents through the Contracting Agency's project management software, (see Special Provisions Section 1-05.17), unless otherwise required elsewhere in the Contract Provisions. This includes, but is not limited to:

- Working Drawings
- Product Data
- Samples
- Reports
- Material Submittals (Ref. 1-06)
- Progress Schedules (Ref. 1-08.3)

Physical samples shall be delivered with a hardcopy of the transmittal submitted through the Contracting Agency's project management software.

The Engineer will return reviewed submittals through the Contracting Agency's project management software for the Contractor's use.

1-05.3(2) Submittal Schedule

In conformance with section 1-08.3, the progress schedule shall be submitted and reviewed prior to commencing any work. No delay claim shall be entertained for Contractor's failure to comply.

No claim will be allowed for damages or extension of time resulting from rejection of a submittal or the requirement of resubmittals as outlined by this section.

The Engineer's review will be completed as quickly as possible but may require up to ten (10) working days from the date the submittals or resubmittals are received until they are sent to the Contractor. If more than ten (10) working days are required for the Engineer's review of any individual submittal or resubmittal, an extension of time will be considered in accordance with Section 1-08.8.

1-05.3(3) Submittal Procedures

Contractor submittals shall be in accordance with the following:

The Contractor shall thoroughly review each submittal for dimensions, quantities, and details of the material or item shown. The Contractor shall review each submittal and note any errors, omissions, or deviations with the Contract Documents. The Contractor shall accept full responsibility for the completeness of each submittal.

Each submittal shall have a unique number assigned to it (via the Contracting Agency's project management software). On each page, indicate the page number, and total number of pages in each submittal.

Each submittal shall indicate the following:

1. The intended use of the item in the work;
2. Clearly indicate only applicable items on any catalog cut sheets;
3. The current revision, issue number, and data shall be indicated on all drawings and other descriptive data.
4. Description of Submittal.
5. Related Specification Section and/or plan sheet.
6. Each material submittal shall clearly indicate the name and address of all suppliers, processors, distributors, and/or producers from which the Contractor directly purchased each material.

When submitting product data, the Contractor shall modify drawings to delete any information not applicable to the project and add information that is applicable to the project. The Contractor shall mark copies of printed material to clearly identify the pertinent materials, products or models.

Samples submitted shall be of sufficient size and quantity to clearly illustrate functional characteristics of product or material and full range of colors available. Field samples and mock-ups, where required, shall be erected at the project site where directed by the Engineer.

The Contractor shall notify the Engineer, in writing at time of submission, of deviations in submittals from requirements of the contract documents.

The Contracting Agency shall not be responsible for delays in reviewing submittals not submitted in accordance with these specifications.

Review or approval of Working Drawings shall neither confer upon the Contracting Agency nor relieve the Contractor of any responsibility for the accuracy of the drawings or their conformity with the Contract. The Contractor shall bear all risk and all costs of any Work delays caused by rejection or non-approval of Working Drawings.

1-05.3(4) Engineer's Review of Submittals

The Engineer's review of drawings and data submitted by the Contractor will cover only general conformity with the Contract drawings and specifications. The Engineer's review of submittals shall not relieve the Contractor from responsibility for errors, omissions, deviations, or responsibility for compliance with the Contract documents.

Review of a separate item does not constitute review of an assembly in which the item functions.

When the submittal or resubmittal is marked "APPROVED", "APPROVED AS NOTED", "REVIEWED & FILED" AND "CONDITIONALLY APPROVED" no resubmittal is required. When the submittal is marked "REVIEWED WITH COMMENTS" the Contractor shall comply with any comments on the return submittal.

1-05.3(5) Resubmittals

When a submittal is marked "REVISE AND RESUBMIT" or "REJECTED," the Contractor shall make the corrections as noted and instructed by the Engineer and resubmit via the Contracting Agency's project management software. The Contractor shall not install material or equipment that has received a review status of "REVISE AND RESUBMIT" or REJECTED".

When corrected copies are resubmitted, the Contractor shall in writing direct specific attention to all revisions and shall list separately any revision made other than those called for by the Engineer on previous submittals. The Contracting Agency's project management software will assign the resubmittal number of the original submittal followed by a revision number (1, 2, etc.) to indicate the sequence of the resubmittal.

Each submittal shall have a unique number assigned to it (via the Contracting Agency's project management software).

The Contractor shall revise returned submittals as required and resubmit until final review is obtained. Any associated progress delay due to the Contractor's need to revise and resubmit is the Contractor's sole responsibility.

The Contractor shall verify that all exceptions previously noted by the Engineer have been accounted for.

1-05.3(6) Clarifications

Clarifications of the Contract intent shall be submitted via a Request for Information (RFI) using the Contracting Agency's project management software

as described in Section 1-05.17 of the Special Provisions. The Contractor shall provide a clear and concise clarification question, specific project document reference such as plan detail number or specification number, proposed solution to the clarification question, and provide any supporting documentation necessary to understand the clarification question.

Request for Information responses provided by the Contracting Agency shall be incorporated into the Record Drawings, if resulting in a change to the Contract Plans.

Request for Information responses provided by the Contracting Agency shall not be construed to be a change to the Contract Documents.

1-05.4 Conformity With and Deviations from Plans and Stakes

Delete the fourth through seventh paragraph of this section and add the following new subsection:

(November 25, 2024 APWA GSP, Option C)

1-05.4(1) Contracting Agency Provided Construction Staking

1-05.4(1)A General

As used in this Section 1-05.4, the words, “stake,” “mark,” “marker,” or “monument” will be deemed to include any kind of survey marking, whether or not set by the Contracting Agency.

1-05.4(1)B Control Stakes

The Engineer will supply construction stakes and marks establishing lines, slopes and grades in accordance with this Section of these Special Provisions. The Contractor shall assume full responsibility for detailed dimensions, elevations, and excavation slopes measured from these Engineer furnished stakes and marks.

A claim by the Contractor for extra compensation by reason of alterations or reconstruction work allegedly due to error in the Engineer’s line and grade will not be allowed unless the original control points set by the Engineer still exist, or unless the Contractor can provide other satisfactory substantiating evidence to prove the error was caused by incorrect Engineer furnished survey data. Three consecutive points set on line or grade shall be the minimum points used to determine any variation from a straight line or grade. Any such variation shall, upon discovery, be reported to the Engineer.

The Contractor shall provide a work site clear of equipment, stockpiles and obstructions which has been prepared and maintained to permit construction staking to proceed in a safe and orderly manner. The Engineer will stake a finite amount of work in a single day in accordance with Section 1-05.4(1)C of these Special Provisions.

Stakes that constitute reference points for all construction work will be conspicuously marked with an appropriate color of flagging tape. It will be the responsibility of the Contractor to inform its employees and subcontractors of the importance and necessity to preserve the stakes.

1-05.4(1)C Survey Requests

It shall be the Contractor's responsibility to properly schedule survey work and coordinate staking requests with construction activities. The Engineer may be reasonably expected to stake any one of the following items, in the quantity shown, in a single day:

Roadway grading	+/-1500 lineal feet of centerline
Storm or sanitary sewer	Approximately 8-10 structures
Water main	+/-1500 lineal feet of pipe
Curb and gutter	+/-1300 lineal feet (one side only)
Base and top course	+/-1000 lineal feet of centerline
Slope staking	+/-800-1200 lineal feet (top and toe)
Illumination/signalization	Approximately 15-20 structures

Actual quantities may vary based on the complexity of the project, line of sight considerations, traffic interference, properly prepared work site, and other items that could affect production.

The Contractor shall be aware that length does not always translate directly into stationing. For example, a survey request for storm sewer pipe from Station 3+00 to 8+00 is 500 lineal feet in length. There may be 1000 lineal feet, or more, of storm sewer pipe, if the pipe is placed on both sides of the roadway and interconnected.

The Contractor shall provide staking requests at least three (3) working days before the Engineer needs to begin the staking operation. If the work site is obstructed so that survey work cannot be done, a new survey request shall be submitted by the Contractor so that the survey work can be rescheduled once the site is properly prepared. An additional 3 working days may be required to complete the rescheduled work.

The Contractor shall work to preserve stakes and marks set by the Engineer. The Contracting Agency will deduct from payments due the Contractor all costs to replace such stakes, marks, damaged or destroyed by the Contractor's operation. A new survey request shall be submitted by the Contractor to replace the damaged or destroyed stakes. An additional 3 working days may be required to complete the request.

If the removal of a control stake or monument is required by the construction operations of the Contractor or its subcontractors, and advance notice of at least three (3) working days is given to the Engineer, the Engineer will reference, remove, and later replace the stakes at no cost to the Contractor.

The Contractor is not entitled to an extension of time, as provided for in Section 1-08.8 as a result of any replacement of control stakes.

1-05.4(1)D Staking Services

The Contractor shall determine appropriate construction stake offset distances and direction to prevent damage to stakes by its construction equipment.

The Engineer shall furnish to the Contractor, one time only, all principal lines, grades and measurements the Engineer deems necessary for completion of the work. These shall generally consist of one initial set of:

1. Cut or fill stakes for establishing grade and embankments,
2. Curb or gutter grade stakes,
3. Centerline finish grade stakes for pavement sections wider than 25 feet as set forth in Section 1-05.5(5), subsection 2, and
4. Offset points to establish line and grade for underground utilities such as water, sewers, storm drains, illumination and signalization.

No intermediate stakes shall be provided between curb grade and centerline stakes.

The Contractor shall provide enough safe areas to permit the Engineer to set those points and elevations that are the responsibility of the Contracting Agency and to perform random checks of the surveying performed by the Contractor.

Roadway and Utility Surveys

The Engineer will furnish the following stakes and reference marks:

- Clearing Limits - One set of clearing limit stakes will be set at approximately 50-foot stations or as needed.
- Rough Grading - One set of rough grade stakes will be set along the construction centerline of streets at 50-foot stations as required. (If superelevations require intermediate stakes along vertical curves, the Engineer will provide staking at closer intervals.) One set of primary cut and fill stakes will be set for site work. One set of secondary final grade cut and fill stakes will be set where deemed applicable as determined by the Engineer.

- Storm Sewers - Two cut or fill stakes for each inlet, catch basin or manhole will be set at offsets to the center of the structure.
- Sanitary Sewers - Two cut or fill stakes for each manhole or cleanout location will be set at appropriate offsets to the center of the structure.
- Water Main - One set of line stakes will be furnished for water mains at 50-foot stations. Additionally, two reference stakes for each valve, hydrant, tee and angle point location will be set concurrently with these line stakes.
- Staking for Embankments - Catch points and one-line stake will be set in those cases where the vertical difference in elevation from the construction centerline to the toe or top of a cut or fill slope exceeds 3 feet. In all other areas, stakes shall be set at an appropriate offset to the street centerline to allow for the preservation of said offsets through the rough grading phase. In both cases the stakes shall be clearly marked with appropriate information necessary to complete the rough grading phase.
- Curb and Gutters - One set of curb and gutter stakes shall be set at an offset on 25-foot intervals, beginning and end points of curves and curb returns, wheelchair ramps, driveways, and sufficient mid-curve points to establish proper alignment.
- Base and Top Course - One set of final construction centerline grade hubs will be set for each course, at not less than 50-foot stations. No intermediate stakes shall be provided unless super elevations require them. In those circumstances, one grade hub left and right of construction centerline at the transition stations will be set at an offset to centerline at not less than 25-foot stations.
- Adjacent or Adjoining Wetlands - One set of stakes delineating adjacent wetland perimeters will be set at 25 to 50-foot stations as required.
- Illumination and Traffic Signals System - One set of stakes for luminaires and traffic signal pole foundations will be set as required. One set of stakes for vaults, junction boxes, and conduits will be set, only if curb and gutter is not in place at the time of the survey request. If curb and gutter is in place, staking for vaults, junction boxes, and conduits will be provided at an additional expense to the Contractor.

When deemed appropriate by the Engineer, cut sheets will be supplied for curb, storm, sanitary sewer and water lines. Cuts or fills may be marked on the surveyed points but should not be relied on as accurate until a completed cut sheet is supplied.

The Contractor is responsible for staking all other items not specifically listed and deemed necessary to construct the project per the Plans and Specifications. All costs associated with Contractor staking shall be incidental to the Work and be included in the Contract unit prices.

Structure Survey

The Engineer is responsible for setting all alignment stakes, slope stakes, and grades necessary for the construction of bridges, noise walls, and retaining walls. The Contractor shall maintain stakes set for construction and maintain the necessary lines and grades.

The survey work by the Engineer will include the following:

- Establish, by placing hubs and/or marked stakes, the location with offsets of foundation shafts and piles.
- Establish offsets to footing centerline of bearing for structure excavation.
- Establish offsets to footing centerline of bearing for footing forms.
- Establish wing wall, retaining wall, and noise wall horizontal alignment.
- Establish retaining wall top of wall profile grade.
- Establish elevation benchmarks for all substructure formwork.
- Check elevations at top of footing concrete line inside footing formwork immediately prior to concrete placement.
- Check column location and pier centerline of bearing at top of footing immediately prior to concrete placement.
- Establish location and plumbness of column forms and monitor column plumbness during concrete placement.
- Establish pier cap and crossbeam top and bottom elevations and centerline of bearing.
- Check pier cap and crossbeam top and bottom elevations and centerline of bearing prior to and during concrete placement.
- Establish grout pad locations and elevations.
- Establish structure bearing locations and elevations, including locations of anchor bolt assemblies.
- Establish box girder bottom slab grades and locations.
- Establish girder and/or web wall profiles and locations.
- Establish diaphragm locations and centerline of bearing.
- Establish roadway slab alignment, grades and provide dimensions from top of girder to top of roadway slab. Set elevations for deck paving machine rails.
- Establish traffic barrier and curb profile.
- Profile all girders prior to the placement of any deadload or construction live load that may affect the girder's profile.

1-05.4(1)E Monuments

The Contractor shall work to preserve the existing monumentation as provided in RCW 58.09.130 and WAC 332-120. The Contractor shall notify the Engineer immediately if it becomes apparent that a survey marker will be disturbed due to construction. The Contractor shall allow 5 working days for the Engineer to acquire information so that a reference monument may be

set. The Engineer will notify the Contractor if or when the monument will be reset to its original position after construction. All costs associated with the replacement of monuments damaged or destroyed prior to being referenced shall be deducted from monies due to the Contractor.

Payment
Depending on the Contractors means and methods of construction additional Construction staking beyond that described above may be required by the Contractor. Should additional staking be required by the Contractor and all cost for providing additional construction staking shall be included in bid items provided within the proposal

1-05.7 Removal of Defective and Unauthorized Work

(October 1, 2005 APWA GSP)

Supplement this section with the following:

If the Contractor fails to remedy defective or unauthorized work within the time specified in a written notice from the Engineer or fails to perform any part of the work required by the Contract Documents, the Engineer may correct and remedy such work as may be identified in the written notice, with Contracting Agency forces or by such other means as the Contracting Agency may deem necessary.

If the Contractor fails to comply with a written order to remedy what the Engineer determines to be an emergency situation, the Engineer may have the defective and unauthorized work corrected immediately, have the rejected work removed and replaced, or have work the Contractor refuses to perform completed by using Contracting Agency or other forces. An emergency situation is any situation when, in the opinion of the Engineer, a delay in its remedy could be potentially unsafe, or might cause serious risk of loss or damage to the public.

Direct or indirect costs incurred by the Contracting Agency attributable to correcting and remedying defective or unauthorized work, or work the Contractor failed or refused to perform, shall be paid by the Contractor. Payment will be deducted by the Engineer from monies due, or to become due, the Contractor. Such direct and indirect costs shall include in particular, but without limitation, compensation for additional professional services required, and costs for repair and replacement of work of others destroyed or damaged by correction, removal, or replacement of the Contractor’s unauthorized work.

No adjustment in contract time or compensation will be allowed because of the delay in the performance of the work attributable to the exercise of the Contracting Agency’s rights provided by this Section.

The rights exercised under the provisions of this section shall not diminish the Contracting Agency’s right to pursue any other avenue for additional remedy or damages with respect to the Contractor’s failure to perform the work as required.

1-05.11 Final Inspection

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing
(October 1, 2005 APWA GSP)

1-05.11(1) Substantial Completion Date

When the Contractor considers the work to be substantially complete, the Contractor shall so notify the Engineer and request the Engineer establish the Substantial Completion Date. The Contractor's request shall list the specific items of work that remain to be completed in order to reach physical completion. The Engineer will schedule an inspection of the work with the Contractor to determine the status of completion. The Engineer may also establish the Substantial Completion Date unilaterally.

If, after this inspection, the Engineer concurs with the Contractor that the work is substantially complete and ready for its intended use, the Engineer, by written notice to the Contractor, will set the Substantial Completion Date. If, after this inspection the Engineer does not consider the work substantially complete and ready for its intended use, the Engineer will, by written notice, so notify the Contractor giving the reasons therefor.

Upon receipt of written notice concurring in or denying substantial completion, whichever is applicable, the Contractor shall pursue vigorously, diligently and without unauthorized interruption, the work necessary to reach Substantial and Physical Completion. The Contractor shall provide the Engineer with a revised schedule indicating when the Contractor expects to reach substantial and physical completion of the work.

The above process shall be repeated until the Engineer establishes the Substantial Completion Date and the Contractor considers the work physically complete and ready for final inspection.

1-05.11(2) Final Inspection and Physical Completion Date

When the Contractor considers the work physically complete and ready for final inspection, the Contractor by written notice, shall request the Engineer to schedule a final inspection. The Engineer will set a date for final inspection. The Engineer and the Contractor will then make a final inspection and the Engineer will notify the Contractor in writing of all particulars in which the final inspection reveals the work incomplete or unacceptable. The Contractor shall immediately take such corrective measures as are necessary to remedy the listed deficiencies. Corrective work shall be pursued vigorously, diligently, and without interruption until physical completion of the listed deficiencies. This process will

continue until the Engineer is satisfied the listed deficiencies have been corrected.

If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.

The Contractor will not be allowed an extension of contract time because of a delay in the performance of the work attributable to the exercise of the Engineer's right hereunder.

Upon correction of all deficiencies, the Engineer will notify the Contractor and the Contracting Agency, in writing, of the date upon which the work was considered physically complete. That date shall constitute the Physical Completion Date of the contract but shall not imply acceptance of the work or that all the obligations of the Contractor under the contract have been fulfilled.

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore, when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

The costs for power, gas, labor, material, supplies, and everything else needed to successfully complete operational testing, shall be included in the unit contract prices related to the system being tested, unless specifically set forth otherwise in the proposal.

Operational and test periods, when required by the Engineer, shall not affect a manufacturer's guaranties or warranties furnished under the terms of the contract.

1-05.13 Superintendents, Labor and Equipment of Contractor
(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

1-05.15 Method of Serving Notices
(January 4, 2024 APWA GSP)

Revise the second paragraph to read:

> All correspondence from the Contractor shall be served and directed to the Engineer. All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the Contract, must be written in paper format, hand delivered or sent via certified mail delivery service with return receipt requested to the Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.

Add the following new section:

1-05.16 Water and Power
(October 1, 2005 APWA GSP)

> The Contractor shall make necessary arrangements and shall bear the costs for power and water necessary for the performance of the work unless the contract includes power and water as a pay item.

Add the following new section:

> *(November 29, 2022 KC GSP)*
> **1-05.17 Project Management Communications – Provided at no cost to Contractor**
>
> **1-05.17(1) Summary**
>
> The Contractor shall use the communications tool and protocols included in the Contracting Agency’s project management software during this project. The use of project management communications as herein described does not replace or change any contractual responsibilities of the participants.
>
> A valid email address, electronic and computer equipment, and internet connections are the responsibility of each project participant. The Contracting Agency will set up the user account.
>
> Nothing in this specification or the subsequent communications supersedes the parties’ obligations and rights for copyright or document ownership as

established by the Contract Documents. The use of CAD files, processes or design information distributed in this system is intended only for the project specified herein.

1-05.17(2) Training & Support

The Contracting Agency will host an information and training session for Contractor staff in use of the Contracting Agency's project management software at a time to be schedule after contract award. Companies may also use online videos, support articles, online chat and phone support provided by the Contracting Agency's project management software at no cost.

1-05.17(3) Project Archive

The archive will be available to the Contractor at no cost. The archive set will contain only documents that the Contractor has access to during construction. All legal rights in any discovery process are retained. Archive material shall be ordered through the Contracting Agency.

1-05.17(4) Authorized Users

Access to the Contracting Agency's project management software will be by individuals who have been authorized to use it by the Engineer.

1. The Contracting Agency will provide the Contractor with at least five (5) access accounts for the duration of the project. The sharing of user accounts is prohibited.
2. Contractor shall provide Engineer with list of Authorized users including valid email addresses following award of the Contract and scheduling of Contracting Agency provided training.
3. Authorized users will be contacted via e-mail with log-in information.
4. Individuals shall be responsible for the proper use of their passwords and access to data as agents of the Contractor.
5. Only entities with a direct Contract with the Contracting Agency will be allowed to have read/write access (Authorized user) to the software. Read access may be provided to others, if beneficial to the project, including subcontractors and utility providers.

1-05.17(5) Communications

The use of fax, email and courier communication for this project is discouraged in favor of using the Contracting Agency's project management software to send messages. Communication functions are as follows:

1. Document Integrity and Revisions:

a. Documents, comments, drawings, and other data posted to the system remain a permanent component of the project. The originator, time and date are recorded for each document submitted to the system. Submitting a new document or record with a unique ID, originator, and time stamp is the method used to make modifications or corrections.
b. The system identifies revised or superseded documents and their predecessors.
c. Server or Client-side software enhancements during the life of the project will not alter or restrict the content of data published by the system. System upgrades will not affect access to older documents or software.

2. Document Security: The system provides a method for communication of documents. Documents allow security group assignment to respect the contractual parties' communication with the exception that the Contracting Agency Administrative Users have access to everything. **DO NOT POST PRIVATE OR CONFIDENTIAL ITEMS IN THE DATABASE.**
3. Document Integration: Documents of various types are able to be logically related to one another. For example, requests for information (RFIs), inspector's daily field reports (IDRs), supplemental sketches and photographs can be referenced as related records.
4. Reporting: The system is capable of generating reports for work in progress, and logs for each document type. Summary reports generated by the system are available for project members and are subject to each user's security settings.
5. Notifications and Distribution: Document distribution to project members may be accomplished both within the Contracting Agency's project management software and via email depending on user settings. Project document distribution to parties outside of the project communication system may be accomplished by secure email of outgoing documents and attachments, readable by a standard email client.
6. Except for paper documents which require original signatures and large format documents (greater than 11 x 17 inches), all other documents shall be submitted by transmission in electronic form into the Contracting Agency's project management software by Authorized users.
    1. Large format documents may be transmitted by hardcopy and electronically via the Contracting Agency's project management software as otherwise agreed, or as otherwise noted in the specifications.
    2. Document Types that shall be transmitted via the Contracting Agency's project management software include, but are not limited to:
        i. Request for Information (RFI)
        ii. Change Order (CO)
        iii. Submittals

iv. Transmittals, including record of documents and materials delivered in hard copy
v. Meeting Minutes/Notes
vi. Application for Payments
vii. Review Comments
viii. Inspector's Daily Field Reports (IDR)
ix. Construction Photographs
x. Drawings
xi. Supplemental Sketches
xii. Schedules
xiii. Specifications

1-05.17(6) Record Keeping

1. The Contracting Agency and their representatives and the Contractor shall respond to electronic documents received from the Contracting Agency's project management software and consider them as if received in paper document form.
2. The Contracting Agency and their representatives and the Contractor reserve the right to reply or respond through the Contracting Agency's project management software to documents actually received in paper document form.
3. The following are examples of paper documents which will require an original signature:
   a. Contract
   b. Change Orders
   c. Application & Certificates for Payment
   d. Force Account and Protested Force Account forms
   e. Correspondence by the Contractor constituting notification per Section 1-05.15 of the Special Provisions.

1-05.17(7) Minimum Equipment Requirements

In addition to other requirements specified in this Section, the Contractor shall be responsible for providing suitable tools and internet access to utilize the Contracting Agency's project management software. Contact the Contracting Agency for equipment requirements and support.

No separate payment will be made for the use of the Contracting Agency's project management software, as this will be considered incidental to the Contract. All costs incurred to carry out the requirements of utilizing and maintaining the Contracting Agency's project management software, including

but not limited to, labor, training, equipment, and required tools are the sole responsibility of the Contractor.

1-06 CONTROL OF MATERIAL

1-06.1 Approval of Materials Prior to Use

1-06.1(4) Fabrication Inspection Expense
(June 27, 2011 APWA GSP)

Delete this section in its entirety.

1-06.6 Recycled Materials
(January 4, 2016 APWA GSP)

Delete this section, including its subsections, and replace it with the following:

The Contractor shall make their best effort to utilize recycled materials in the construction of the project. Approval of such material use shall be as detailed elsewhere in the Standard Specifications.

Prior to Physical Completion the Contractor shall report the quantity of recycled materials that were utilized in the construction of the project for each of the items listed in Section 9-03.21. The report shall include hot mix asphalt, recycled concrete aggregate, recycled glass, steel furnace slag and other recycled materials (e.g. utilization of on-site material and aggregates from concrete returned to the supplier). The Contractor's report shall be provided on DOT form 350-075 Recycled Materials Reporting.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

1-07.1 Laws to be Observed
(October 1, 2005 APWA GSP)

Supplement this section with the following:

In cases of conflict between different safety regulations, the more stringent regulation shall apply.

The Washington State Department of Labor and Industries shall be the sole and paramount administrative agency responsible for the administration of the provisions of the Washington Industrial Safety and Health Act of 1973 (WISHA).

The Contractor shall maintain at the project site office, or other well-known place at the project site, all articles necessary for providing first aid to the injured. The Contractor shall establish, publish, and make known to all employees, procedures for ensuring immediate removal to a hospital, or doctor's care,

persons, including employees, who may have been injured on the project site. Employees should not be permitted to work on the project site before the Contractor has established and made known procedures for removal of injured persons to a hospital or a doctor's care.

The Contractor shall have sole responsibility for the safety, efficiency, and adequacy of the Contractor's plant, appliances, and methods, and for any damage or injury resulting from their failure, or improper maintenance, use, or operation. The Contractor shall be solely and completely responsible for the conditions of the project site, including safety for all persons and property in the performance of the work. This requirement shall apply continuously, and not be limited to normal working hours. The required or implied duty of the Engineer to conduct construction review of the Contractor's performance does not, and shall not, be intended to include review and adequacy of the Contractor's safety measures in, on, or near the project site.

1-07.2 State Taxes

Delete this section, including its sub-sections, in its entirety and replace it with the following:

1-07.2 State Sales Tax

(June 27, 2011 APWA GSP)

The Washington State Department of Revenue has issued special rules on the State sales tax. Sections 1-07.2(1) through 1-07.2(3) are meant to clarify those rules. The Contractor should contact the Washington State Department of Revenue for answers to questions in this area. The Contracting Agency will not adjust its payment if the Contractor bases a bid on a misunderstood tax liability.

The Contractor shall include all Contractor-paid taxes in the unit bid prices or other contract amounts. In some cases, however, state retail sales tax will not be included. Section 1-07.2(2) describes this exception.

The Contracting Agency will pay the retained percentage (or release the Contract Bond if a FHWA-funded Project) only if the Contractor has obtained from the Washington State Department of Revenue a certificate showing that all contract-related taxes have been paid (RCW 60.28.051). The Contracting Agency may deduct from its payments to the Contractor any amount the Contractor may owe the Washington State Department of Revenue, whether the amount owed relates to this contract or not. Any amount so deducted will be paid into the proper State fund.

1-07.2(1) State Sales Tax — Rule 171

WAC 458-20-171, and its related rules, apply to building, repairing, or improving streets, roads, etc., which are owned by a municipal corporation, or political

subdivision of the state, or by the United States, and which are used primarily for foot or vehicular traffic. This includes storm or combined sewer systems within and included as a part of the street or road drainage system and power lines when such are part of the roadway lighting system. For work performed in such cases, the Contractor shall include Washington State Retail Sales Taxes in the various unit bid item prices, or other contract amounts, including those that the Contractor pays on the purchase of the materials, equipment, or supplies used or consumed in doing the work.

1-07.2(2) State Sales Tax — Rule 170

WAC 458-20-170, and its related rules, apply to the constructing and repairing of new or existing buildings, or other structures, upon real property. This includes, but is not limited to, the construction of streets, roads, highways, etc., owned by the state of Washington; water mains and their appurtenances; sanitary sewers and sewage disposal systems unless such sewers and disposal systems are within, and a part of, a street or road drainage system; telephone, telegraph, electrical power distribution lines, or other conduits or lines in or above streets or roads, unless such power lines become a part of a street or road lighting system; and installing or attaching of any article of tangible personal property in or to real property, whether or not such personal property becomes a part of the realty by virtue of installation.

For work performed in such cases, the Contractor shall collect from the Contracting Agency, retail sales tax on the full contract price. The Contracting Agency will automatically add this sales tax to each payment to the Contractor. For this reason, the Contractor shall not include the retail sales tax in the unit bid item prices, or in any other contract amount subject to Rule 170, with the following exception.

Exception: The Contracting Agency will not add in sales tax for a payment the Contractor or a subcontractor makes on the purchase or rental of tools, machinery, equipment, or consumable supplies not integrated into the project. Such sales taxes shall be included in the unit bid item prices or in any other contract amount.

1-07.2(3) Services

The Contractor shall not collect retail sales tax from the Contracting Agency on any contract wholly for professional or other services (as defined in Washington State Department of Revenue Rules 138 and 244).

1-07.6 Permits and Licenses

(*****)

Section 1-07.6 is supplemented with the following:

The Contracting Agency is working to obtain the below-listed permit(s) for this project. A copy of the permit(s) will be provided once issued.Copies of these permits, including a copy of the Transfer of Coverage form, when applicable, are required to be onsite at all times.

Contact with the permitting agencies, concerning the below-listed permit(s), shall be made through the Engineer with the exception of when the Construction Stormwater General Permit coverage is transferred to the Contractor, direct communication with the Department of Ecology is allowed. The Contractor shall be responsible for obtaining Ecology's approval for any Work requiring additional approvals (e.g. Request for Chemical Treatment Form). The Contractor shall obtain additional permits as necessary. All costs to obtain and comply with additional permits shall be included in the applicable Bid items for the Work involved.

Kitsap County Building Permit #24-04919

1-07.7 Load Limits

(*****)

Supplement this section with the following:

If the sources of materials provided by the Contractor necessitates hauling over roads other than County roads, the Contractor shall, at the Contractor's expense, make all arrangements for the use of the haul routes.

1-07.8 High-Visibility Apparel

The third and fourth paragraphs of Section 1-07.8 are revised to read:

(November 4, 2024 WSDOT GSP)

High-visibility garments shall always be the outermost garments worn in a manner to ensure 360 degrees of uninterrupted background and retroreflective material encircling the torso. High-visibility garments shall be labeled as, and in a condition compliant with the ANSI/ISEA 107-2015 publication entitled "American National Standard for High-Visibility Safety Apparel and Accessories," or equivalent revisions

1-07.8(1) Traffic Control Personnel

Section 1-07.8(1) is revised to read:

(November 4, 2024 WSDOT GSP)

All personnel performing the Work described in Section 1-10 (including traffic control supervisors, flaggers, and others performing traffic control labor of any kind) shall comply with the following:

1. During daylight hours with clear visibility, workers shall wear a high-visibility ANSI/ISEA 107 Type R Class 2 or 3 garment with background material that are fluorescent yellow-green, fluorescent orange-red, or fluorescent red in color; and a high visibility hardhat that is white, yellow, yellow-green, orange, or red in color; and

2. During hours of darkness (½ hour before sunset to ½ hour after sunrise) or other low-visibility conditions (snow, fog, etc.), workers shall wear a high visibility ANSI/ISEA 107 Type R Class 2 or 3 garment with background material that are fluorescent yellow-green, fluorescent orange-red, or fluorescent red in color; a high-visibility lower garment meeting ANSI/ISEA 107 Class E, and a high visibility hardhat marked with at least 12 square inches of retroreflective material applied to provide 360 degrees of visibility

1-07.9 Wages

1-07.9(5)A General

(July 8, 2024 APWA GSP)

This section is revised to read as follows:

All Statements of Intent to Pay Prevailing Wages, Affidavits of Wages Paid and Certified Payrolls, including a signed Statement of Compliance for Federal-aid projects, shall be submitted to the Engineer and to the State L&I online Prevailing Wage Intent & Affidavit (PWIA) system. When apprenticeship is a requirement of the contract, include in PWIA all apprentices.

1-07.11 Requirements for Nondiscrimination

1-07.11(2) Contractual Requirements

(November 25, 2024 APWA GSP)

Delete item 11 of the first paragraph of Section 1-07.11(2).

1-07.17 Utilities and Similar Facilities

Supplement this section with the following:

(October 3, 2022 WSDOT GSP, Option 2)
Locations and dimensions shown in the Plans for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

Public and private utilities, or their Contractors, will furnish all work necessary to adjust, relocate, replace, or construct their facilities unless otherwise provided for in the Plans or these Special Provisions. Such adjustment, relocation,

replacement, or construction will be done during the prosecution of the work for this project. It is anticipated that utility adjustment, relocation, replacement, or construction within the project limits will be completed as follows:

***** Relocation or adjustment of existing water facilities. *****

The Contractor shall attend a mandatory utility preconstruction meeting with the Engineer, all affected subcontractors, and all utility owners and their Contractors prior to beginning onsite work.

The following addresses and telephone numbers of utility companies or their Contractors that will be adjusting, relocating, replacing or constructing utilities within the project limits are supplied for the Contractor's use:

****
Kitsap Public Utility District
PO Box 2910
Poulsbo, WA 98370
Contact: Todd Smith
Telephone: (206) 930-1628
****

Supplement this section with the following new subsection:

(November 29, 2022 KC GSP)
1-07.17(3) Protection and Support of Existing Utilities:

Description
The Contractor shall provide support and protection of all existing utility facilities crossing the work area during construction. All utilities shall remain fully operational throughout the life of this Contract. The Contractor shall be responsible for coordinating with the Engineer and the utility owners for the relocation of the utilities, or the erection of temporary support for them. The Contractor shall be responsible for the erection of all temporary support and temporary relocation necessary to complete the work.

The Contractor shall “pothole” and expose the existing underground utilities crossing the route of the new improvements. Excavation immediately adjacent to the existing conduits shall be made by hand methods in compliance with Washington State requirements.

Payment
Payment will be made for the following bid item included on the proposal:

“Protection & Support of Existing Utilities”, per lump sum.

The lump sum Contract price for “Protection and Support of Existing Utilities” shall be full pay for all labor, tools, materials and equipment necessary to complete the work and for any costs incurred by the Contractor due to the loss of work efficiency as a result of the requirement to work adjacent to the relocated or temporarily supported utilities.

.

1-07.18 Public Liability and Property Damage Insurance

Delete this section in its entirety, and replace it with the following:

1-07.18 Insurance

(January 4, 2024 APWA GSP)

1-07.18(1) General Requirements

A. The Contractor shall procure and maintain the insurance described in all subsections of section 1-07.18 of these Special Provisions, from insurers with a current A. M. Best rating of not less than A-: VII and licensed to do business in the State of Washington. The Contracting Agency reserves the right to approve or reject the insurance provided, based on the insurer’s financial condition.

B. The Contractor shall keep this insurance in force without interruption from the commencement of the Contractor’s Work through the term of the Contract and for thirty (30) days after the Physical Completion date, unless otherwise indicated below.

C. If any insurance policy is written on a claims-made form, its retroactive date, and that of all subsequent renewals, shall be no later than the effective date of this Contract. The policy shall state that coverage is claims made and state the retroactive date. Claims-made form coverage shall be maintained by the Contractor for a minimum of 36 months following the Completion Date or earlier termination of this Contract, and the Contractor shall annually provide the Contracting Agency with proof of renewal. If renewal of the claims made form of coverage becomes unavailable, or economically prohibitive, the Contractor shall purchase an extended reporting period (“tail”) or execute another form of guarantee acceptable to the Contracting Agency to assure financial responsibility for liability for services performed.

D. The Contractor’s Automobile Liability, Commercial General Liability and Excess or Umbrella Liability insurance policies shall be primary and non-contributory insurance as respects the Contracting Agency’s insurance, self-insurance, or self-insured pool coverage. Any insurance, self-insurance, or

self-insured pool coverage maintained by the Contracting Agency shall be excess of the Contractor's insurance and shall not contribute with it.

E. The Contractor shall provide the Contracting Agency and all additional insureds with written notice of any policy cancellation, within two business days of their receipt of such notice.

F. The Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by the Contracting Agency

G. Failure on the part of the Contractor to maintain the insurance as required shall constitute a material breach of contract, upon which the Contracting Agency may, after giving five business days' notice to the Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith, with any sums so expended to be repaid to the Contracting Agency on demand, or at the sole discretion of the Contracting Agency, offset against funds due the Contractor from the Contracting Agency.

H. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made.

I. Under no circumstances shall a wrap up policy be obtained, for either initiating or maintaining coverage, to satisfy insurance requirements for any policy required under this Section. A "wrap up policy" is defined as an insurance agreement or arrangement under which all the parties working on a specified or designated project are insured under one policy for liability arising out of that specified or designated project.

1-07.18(2) Additional Insured

All insurance policies, with the exception of Workers Compensation, and of Professional Liability and Builder's Risk (if required by this Contract) shall name the following listed entities as additional insured(s) using the forms or endorsements required herein:

8. the Contracting Agency and its officers, elected officials, employees, agents, and volunteers

The above-listed entities shall be additional insured(s) for the full available limits of liability maintained by the Contractor, irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract, and irrespective of whether the Certificate of Insurance provided by the Contractor pursuant to 1-07.18(4) describes limits lower than those maintained by the Contractor.

For Commercial General Liability insurance coverage, the required additional insured endorsements shall be at least as broad as ISO forms CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

1-07.18(3) Subcontractors

The Contractor shall cause each subcontractor of every tier to provide insurance coverage that complies with all applicable requirements of the Contractor-provided insurance as set forth herein, except the Contractor shall have sole responsibility for determining the limits of coverage required to be obtained by subcontractors.

The Contractor shall ensure that all subcontractors of every tier add all entities listed in 1-07.18(2) as additional insureds, and provide proof of such on the policies as required by that section as detailed in 1-07.18(2) using an endorsement as least as broad as ISO CG 20 10 10 01 for ongoing operations and CG 20 37 10 01 for completed operations.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency evidence of insurance and copies of the additional insured endorsements of each subcontractor of every tier as required in 1-07.18(4) Verification of Coverage.

1-07.18(4) Verification of Coverage

The Contractor shall deliver to the Contracting Agency a Certificate(s) of Insurance and endorsements for each policy of insurance meeting the requirements set forth herein when the Contractor delivers the signed Contract for the work. Failure of Contracting Agency to demand such verification of coverage with these insurance requirements or failure of Contracting Agency to identify a deficiency from the insurance documentation provided shall not be construed as a waiver of Contractor's obligation to maintain such insurance.

Verification of coverage shall include:

1. An ACORD certificate or a form determined by the Contracting Agency to be equivalent.
2. Copies of all endorsements naming Contracting Agency and all other entities listed in 1-07.18(2) as additional insured(s), showing the policy number. The Contractor may submit a copy of any blanket additional insured clause from its policies instead of a separate endorsement.
3. Any other amendatory endorsements to show the coverage required herein.
4. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders

Risk insurance is required on this Project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the work.

1-07.18(5) Coverages and Limits

The insurance shall provide the minimum coverages and limits set forth below. Contractor's maintenance of insurance, its scope of coverage, and limits as required herein shall not be construed to limit the liability of the Contractor to the coverage provided by such insurance, or otherwise limit the Contracting Agency's recourse to any remedy available at law or in equity.

All deductibles and self-insured retentions must be disclosed and are subject to approval by the Contracting Agency. The cost of any claim payments falling within the deductible or self-insured retention shall be the responsibility of the Contractor. In the event an additional insured incurs a liability subject to any policy's deductibles or self-insured retention, said deductibles or self-insured retention shall be the responsibility of the Contractor.

1-07.18(5)A Commercial General Liability

Commercial General Liability insurance shall be written on coverage forms at least as broad as ISO occurrence form CG 00 01, including but not limited to liability arising from premises, operations, stop gap liability, independent contractors, products-completed operations, personal and advertising injury, and liability assumed under an insured contract. There shall be no exclusion for liability arising from explosion, collapse or underground property damage.

The Commercial General Liability insurance shall be endorsed to provide a per project general aggregate limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

Contractor shall maintain Commercial General Liability Insurance arising out of the Contractor's completed operations for at least three years following Substantial Completion of the Work.

Such policy must provide the following minimum limits:

$1,000,000	Each Occurrence
$2,000,000	General Aggregate
$2,000,000	Products & Completed Operations Aggregate
$1,000,000	Personal & Advertising Injury each offence
$1,000,000	Stop Gap / Employers' Liability each accident

1-07.18(5)B Automobile Liability

Automobile Liability shall cover owned, non-owned, hired, and leased vehicles; and shall be written on a coverage form at least as broad as ISO form CA 00 01. If the work involves the transport of pollutants, the automobile liability policy shall include MCS 90 and CA 99 48 endorsements.

Such policy must provide the following minimum limit:

$1,000,000 Combined single limit each accident

1-07.18(5)C Workers' Compensation

The Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington.

1-07.23(1) Construction Under Traffic

(*****)

Add the following new subsection:

1-07.23(4) Closures

1-07.23(4) A Road Closures

Carver Drive beyond the existing chain link fence/gate shall remain closed to the public for the project duration.

1-07.24 Rights of Way

(July 23, 2015 APWA GSP)

Delete this section and replace it with the following:

Street Right of Way lines, limits of easements, and limits of construction permits are indicated in the Plans. The Contractor's construction activities shall be confined within these limits unless arrangements for use of private property are made.

Generally, the Contracting Agency will have obtained, prior to bid opening, all rights of way and easements, both permanent and temporary, necessary for carrying out the work. Exceptions to this are noted in the Bid Documents or will be brought to the Contractor's attention by a duly issued Addendum.

Whenever any of the work is accomplished on or through property other than public Right of Way, the Contractor shall meet and fulfill all covenants and stipulations of any easement agreement obtained by the Contracting Agency from the owner of the private property. Copies of the easement agreements may be included in the Contract Provisions or made available to the Contractor as soon as practical after they have been obtained by the Engineer.

Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in areas where right of way, easements or rights of entry have not been acquired until the Engineer certifies to the Contractor that the right of way or easement is available or that the right of entry

has been received. If the Contractor is delayed due to acts of omission on the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach of contract.

Each property owner shall be given 48 hours' notice prior to entry by the Contractor. This includes entry onto easements and private property where private improvements must be adjusted.

The Contractor shall be responsible for providing, without expense or liability to the Contracting Agency, any additional land and access thereto that the Contractor may desire for temporary construction facilities, storage of materials, or other Contractor needs. However, before using any private property, whether adjoining the work or not, the Contractor shall file with the Engineer a written permission of the private property owner, and, upon vacating the premises, a written release from the property owner of each property disturbed or otherwise interfered with by reasons of construction pursued under this contract. The statement shall be signed by the private property owner, or proper authority acting for the owner of the private property affected, stating that permission has been granted to use the property and all necessary permits have been obtained or, in the case of a release, that the restoration of the property has been satisfactorily accomplished. The statement shall include the parcel number, address, and date of signature. Written releases must be filed with the Engineer before the Completion Date will be established.

1-08 PROSECUTION AND PROGRESS

Add the following new section:

1-08.0 Preliminary Matters
(May 25, 2006 APWA GSP)

Add the following new section:

1-08.0(1) Preconstruction Conference
(October 10, 2008 APWA GSP)

Prior to the Contractor beginning the work, a preconstruction conference will be held between the Contractor, the Engineer and such other interested parties as may be invited. The purpose of the preconstruction conference will be:

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To establish normal working hours for the work;

5. To review safety standards and traffic control; and
6. To discuss such other related items as may be pertinent to the work.

The Contractor shall prepare and submit at the preconstruction conference the following:

1. A breakdown of all lump sum items;
2. A preliminary schedule of working drawing submittals; and
3. A list of material sources for approval if applicable.

Add the following new section:

1-08.0(2) Hours of Work
(December 8, 2014 APWA GSP)

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. Monday through Friday, exclusive of a lunch break. If the Contractor desires different than the normal working hours stated above, the request must be submitted in writing prior to the preconstruction conference, subject to the provisions below. The working hours for the Contract shall be established at or prior to the preconstruction conference.

All working hours and days are also subject to local permit and ordinance conditions (such as noise ordinances).

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than 2 working days prior to the day(s) the Contractor is requesting to change the hours.

If the Contracting Agency approves such a deviation, such approval may be subject to certain other conditions, which will be detailed in writing. For example:

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed necessary by the Engineer include, but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)
2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.

3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non-working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll

1-08.1 Subcontracting

1-08.1(9) Required Subcontract Clauses

1-08.1(9)B Clauses Required in Subcontracts of All Tiers

(November 25, 2024 APWA GSP)

Delete item 8 of the second paragraph of Section 1-08.1(8)B.

1-08.3 Progress Schedule

1-08.3(2)B Type B Progress Schedule
(January 4, 2024 APWA GSP)

Revise the first paragraph to read:

The Contractor shall submit a preliminary Type B Progress Schedule at or prior to the preconstruction conference. The preliminary Type B Progress Schedule shall comply with all of these requirements and the requirements of Section 1-08.3(2), except that it may be limited to only those activities occurring within the first 60-working days of the project.

Revise the first sentence of the second paragraph to read:

The Contractor shall submit one copy of a Type B Progress Schedule depicting the entire project no later than 21-calendar days after the preconstruction conference.

1-08.4 Prosecution of Work

Delete this section and replace it with the following:

1-08.4 Notice to Proceed and Prosecution of Work
(July 23, 2015 APWA GSP)

Notice to Proceed will be given after the contract has been executed and the contract bond and evidence of insurance have been approved and filed by the Contracting Agency. The Contractor shall not commence with the work until the

Notice to Proceed has been given by the Engineer. The Contractor shall commence construction activities on the project site within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the work to the physical completion date within the time specified in the contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the work within the time(s) specified in the contract.

When shown in the Plans, the first order of work shall be the installation of high visibility fencing to delineate all areas for protection or restoration, as described in the Contract. Installation of high visibility fencing adjacent to the roadway shall occur after the placement of all necessary signs and traffic control devices in accordance with 1-10.1(2). Upon construction of the fencing, the Contractor shall request the Engineer to inspect the fence. No other work shall be performed on the site until the Contracting Agency has accepted the installation of high visibility fencing, as described in the Contract.

1-08.5 Time for Completion

Section 1-08.5 is supplemented with the following:

(March 13, 1995 WSDOT GSP, Option 7)
This project shall be physically completed within ***** 80 ***** working days.

Revise the third and fourth paragraphs to read:

(November 25, 2024 APWA GSP, Option A)
Contract time shall begin on the first working day following the Notice to Proceed Date.

Each working day shall be charged to the contract as it occurs, until the contract work is physically complete. If substantial completion has been granted and all the authorized working days have been used, charging of working days will cease. Each week the Engineer will provide the Contractor a statement that shows the number of working days: (1) charged to the contract the week before; (2) specified for the physical completion of the contract; and (3) remaining for the physical completion of the contract. The statement will also show the nonworking days and all partial or whole days the Engineer declares as unworkable The statement will be identified as a Written Determination by the Engineer. If the Contractor does not agree with the Written Determination of working days, the Contractor shall pursue the protest procedures in accordance with Section 1-04.5. By failing to follow the procedures of Section 1-04.5, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10 schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

(November 25, 2024 APWA GSP, Option A)
The Engineer will give the Contractor written notice of the completion date of the contract after all the Contractor's obligations under the contract have been performed by the Contractor. The following events must occur before the Completion Date can be established:

1. The physical work on the project must be complete; and
2. The Contractor must furnish all documentation required by the contract and required by law, to allow the Contracting Agency to process final acceptance of the contract. The following documents must be received by the Project Engineer prior to establishing a completion date:
   a. Certified Payrolls (per Section 1-07.9(5)).
   b. Material Acceptance Certification Documents
   c. Monthly Reports in DMCS of the amounts paid including the final payment confirmation to all firms required by Section 1-08.1(7)A if applicable
   d. Final Contract Voucher Certification
   e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
   f. A copy of the Notice of Termination sent to the Washington State Department of Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the Notice of Termination by Ecology; and no rejection of the Notice of Termination by Ecology. This requirement will not apply if the Construction Stormwater General Permit is transferred back to the Contracting Agency in accordance with Section 8-01.3(16).
   g. Property owner releases per Section 1-07.24

1-08.9 Liquidated Damages
(March 3, 2021 APWA GSP, Option A)

Replace Section 1-08.9 with the following:

Time is of the essence of the Contract. Delays inconvenience the traveling public, obstruct traffic, interfere with and delay commerce, and increase risk to Highway users. Delays also cost tax payers undue sums of money, adding time needed for administration, engineering, inspection, and supervision.

Accordingly, the Contractor agrees:

1. To pay liquidated damages in the amount of *** **$1,900** *** for each working day beyond the number of working days established for Physical Completion, and

2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine the Contract Work is Substantially Complete. The Engineer will notify the Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring after the date so established, liquidated damages identified above will not apply. For overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall be assessed on the basis of direct engineering and related costs assignable to the project until the actual Physical Completion Date of all the Contract Work. The Contractor shall complete the remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor shall furnish a written schedule for completing the physical Work on the Contract.

Liquidated damages will not be assessed for any days for which an extension of time is granted. No deduction or payment of liquidated damages will, in any degree, release the Contractor from further obligations and liabilities to complete the entire Contract.

1-09 MEASUREMENT AND PAYMENT

1-09.2 Weighing Equipment

1-09.2(1) General Requirements for Weighing Equipment
(January 4, 2024 APWA GSP, Option B)

Revise item 4 of the fifth paragraph to read:

4. Test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT form 422-027A, Scaleman's Daily Report, unless the printed ticket contains the same information that is on the Scaleman's Daily Report Form. The scale operator must provide AM and/or PM tare weights for each truck on the printed ticket.

1-09.2(5) Measurement
(December 30, 2022 APWA GSP)

Revise the first paragraph to read:

Scale Verification Checks – At the Engineer's discretion, the Engineer may perform verification checks on the accuracy of each batch, hopper, or platform scale used in weighing contract items of Work.

1-09.6 Force Account

(December 30, 2022 APWA GSP)

Supplement this section with the following:

The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items to be paid per force account, only to provide a common proposal for Bidders. All such dollar amounts are to become a part of Contractor's total bid. However, the Contracting Agency does not warrant expressly or by implication, that the actual amount of work will correspond with those estimates. Payment will be made on the basis of the amount of work actually authorized by the Engineer.

1-09.9 Payments
(July 8, 2024, APWA GSP, Option B)

Delete the fourth paragraph and replace it with the following:

Progress payments for completed work and material on hand will be based upon progress estimates prepared by the Engineer. A progress estimate cutoff date will be established at the preconstruction conference.

The initial progress estimate will be made not later than 30 days after the Contractor commences the work, and successive progress estimates will be made every month thereafter until the Completion Date. Progress estimates made during progress of the work are tentative,and made only for the purpose of determining progress payment. The progress estimates are subject to change at any time prior to the calculation of the Final Payment.

The value of the progress estimate will be the sum of the following:

1. Unit Price Items in the Bid Form — the approximate quantity of acceptable units of work completed multiplied by the unit price.
2. Lump Sum Items in the Bid Form — based on the approved Contractor’s lump sum breakdown for that item, or absent such a breakdown, based on the Engineer’s determination.
3. Materials on Hand — 100 percent of invoiced cost of material delivered to Job site or other storage area approved by the Engineer.
4. Change Orders — entitlement for approved extra cost or completed extra work as determined by the Engineer.

Progress payments will be made in accordance with the progress estimate less:

1. Retainage per Section 1-09.9(1), on non FHWA-funded projects;
2. The amount of Progress Payments previously made; and
3. Funds withheld by the Contracting Agency for disbursement in accordance with the Contract Documents.

Progress payments for work performed shall not be evidence of acceptable performance or an admission by the Contracting Agency that any work has been satisfactorily completed. The determination of payments under the contract will be final in accordance with Section 1-05.1.

1-09.11 Disputes and Claims

1-09.11(3) Time Limitation and Jurisdiction
(December 30, 2022 APWA GSP)

Revise this section to read*:*

For the convenience of the parties to the Contract it is mutually agreed by the parties that all claims or causes of action which the Contractor has against the Contracting Agency arising from the Contract shall be brought within 180 calendar days from the date of final acceptance (Section 1-05.12) of the Contract by the Contracting Agency; and it is further agreed that all such claims or causes of action shall be brought only in the Superior Court of the county where the Contracting Agency headquarters is located, provided that where an action is asserted against a county, RCW 36.01.050 shall control venue and jurisdiction. The parties understand and agree that the Contractor's failure to bring suit within the time period provided, shall be a complete bar to all such claims or causes of action. It is further mutually agreed by the parties that when claims or causes of action which the Contractor asserts against the Contracting Agency arising from the Contract are filed with the Contracting Agency or initiated in court, the Contractor shall permit the Contracting Agency to have timely access to all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

1-09.13 Claims Resolution

1-09.13(3) Arbitration

1-09.13(3)A Arbitration General
(January 19, 2022 APWA GSP)

Revise the third paragraph to read:

The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

1-10 TEMPORARY TRAFFIC CONTROL

1-10.2 Traffic Control Management

1-10.2(1) General

Supplement this section with the following:

(October 3, 2022 WSDOT GSP, Option 1)
The Traffic Control Supervisor shall be certified by one of the following:

The Northwest Laborers-Employers Training Trust
27055 Ohio Ave.
Kingston, WA 98346
(360) 297-3035
https://www.nwlett.edu

Evergreen Safety Council
12545 135th Ave. NE
Kirkland, WA 98034-8709
1-800-521-0778
https://www.esc.org

The American Traffic Safety Services Association
15 Riverside Parkway, Suite 100
Fredericksburg, Virginia 22406-1022
Training Dept. Toll Free (877) 642-4637
Phone: (540) 368-1701
https://atssa.com/training

Integrity Safety
13912 NE 20th Ave.
Vancouver, WA 98686
(360) 574-6071
https://www.integritysafety.com

US Safety Alliance
(904) 705-5660
https://www.ussafetyalliance.com

K&D Services Inc.
2719 Rockefeller Ave.
Everett, WA 98201
(800) 343-4049
https://www.kndservices.nethttps://www.ussafetyalliance.com/

1-10.2(2) Traffic Control Plans (TCP)

(*****)
Supplement this section with the following:

Carver Drive shall remain closed in accordance with Section 1-07.23(1) of these Special Provisions. The Contractor shall provide their own lock for use on the existing gate owned by Raydient. Contact information for Raydient's Construction Manager is listed below:

Bob Hunter
Email: bob.hunter@raydient.com
Phone: (360) 620-1260

END OF DIVISION 1

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DIVISION 2 EARTHWORK

2-01 CLEARING, GRUBBING AND ROADSIDE CLEANUP

2-01.1 Description

Section 2-01.1 is supplemented with the following:

(March 13, 1995 WSDOT GSP, Option 1)
Clearing and grubbing on this project shall be performed within the following limits:

*** Clearing and grubbing on this project shall be performed in the locations as shown on the Plans.

Trees shall be removed and stockpiled and paid for separately from "Clearing and Grubbing".

Existing site topsoil shall be removed and stockpiled and paid for separately from "Clearing and Grubbing".***

2-01.2 Disposal of Usable Material and Debris

Revise the third paragraph to read as follows:

The Contractor shall use Disposal Method No. 3 per Section 2-01.2(3) of the Standard Specifications.

2-01.3 Construction Requirements

2-01.3(3) Vacant

Add the following new section:

2-01.3(5) Tree Removal and Stockpile

Contractor shall remove and delimb all existing trees including removal of stumps and rootwads within the clearing and grubbing limits and stockpile in a common location. Contractor shall cut, prepare, and stockpile fallen trees to comply with dimensions shown in the Plans and as referenced in the following subsections within Section 8.02 - "Log Wheel Stop" "Habitat Log with Root Wad", "Root Wad", and "Raptor Perch" in a common location for future placement. Contractor shall prepare and stockpile logs with root wads attached for features shown in Plans which require root wads.

Prior to stockpiling and where applicable, the Contractor shall remove all limbs from the trees as shown in the Plans ensuring that limb cuts are flush with the trunk and no sharp appurtenances remain where indicated.

All limbs shall be removed from removed trees prior to stockpiling. Limbs and foliage shall be chipped for Bark and Wood chip mulch as specified in Section 9-14.5(3). Chipped limbs and foliage to be used for bark or wood chip mulch shall be stockpiled in a common location.

Excess trees, stumps, and root wads shall be stockpiled in a location identified by the Engineer.

Bark and Wood chip mulch in excess of the quantity used within landscape areas shall be distributed across the site as directed by the Engineer.

2-01.4 Measurement

Supplement this section with the following:

Tree Removal Incl. Stockpile will be measured per each.

2-01.5 Payment

Supplement this section with the following:

"Tree Removal Incl. Stockpile", per each.

The unit Contract price per each for "Tree Removal Incl. Stockpile" shall be full payment for all costs to complete the Work as specified including tree felling, stump removal, stripping, chipping, loading, hauling and stockpiling the material. Placing the trees as site features will be paid as specified in Section 8-02. Placing the bark or wood chip mulch will be paid as specified in Section 8-02.

2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

2-02.1 Description

Supplement this section with the following:

All materials removed shall become the property of the Contractor and disposed of per 2-03.3(7)C.

2-02.3 Construction Requirements

Supplement this section with the following:

Removal of Obstructions

1. Sign and post removals
2. Existing high visibility fencing near Carver Drive
3. Existing bollard at the end of Carver Drive
4. Removing existing asphalt concrete pavement

2-02.3(5) Adjusting Utilities to Grade

As shown in the Plans, existing utilities such as water valves shall be adjusted to finished grade. The Contractor shall, prior to the beginning of any work, familiarize himself with the existing utility locations. Final adjustment shall be smooth and flush with finished grade. The Contractor shall mark the location of all utilities prior to paving the new surface where applicable.

Existing facilities shall be adjusted to the finished grade. Existing box, ring, grate, and cover shall be replaced with new to be set in a careful and workmanlike manner to conform to the new grade. Special care shall be exercised in all operations. Any damage occurring to the valve boxes, or water mains, due to the Contractor's operations, shall be repaired at the Contractor's own expense. Adjustments shall be made using bricks, adjustment rings, concrete blocks, or cement. All covers and frames shall be thoroughly cleaned. The Contractor shall be responsible for referencing and keeping a record of such references of all valve boxes encountered, and shall submit a copy of these references to the Engineer.

The existing structures shall be adjusted to grade in the following manner:

Within a Grass Surface: Provide Crushed Surfacing Top Course backfill and 3-inches of Topsoil Type B, and hydroseed.

Within a Hot Mixed Asphalt Paved Surface: As soon as the street is paved past each manhole, catch basin, monument case, meter box, and valve box, the asphalt concrete mat shall be scored around the location of the manhole, catch basin, concrete inlet, monument case, meter, or valve box. After rolling has been completed and the mat has cooled, it shall be cut along the scored lines. The manholes, catch basins, monument cases, meter boxes, junction boxes and/or valve boxes shall then be raised to finished pavement grade, and the annular spaces filled with control density fill (CDF) to within a minimum of 3-inches of the finished grade. The remaining 3-inches (minimum) shall be filled and compacted with Commercial HMA per Section 5-04 of the Standard Specifications, to give a smooth, finished appearance. The final pavement patch shall be round in shape.

After pavement is in place, all joints shall be sealed with hot asphalt cement (AR 4000W). In areas opened immediately to traffic, a sand blanket shall be placed

onto the surface of the hot asphalt sealer (AR 4000W) to help alleviate the “tracking” of asphalt sealer.

2-02.4 Measurement

No separate measurement for payment will be made for sawcutting of existing asphalt concrete pavement but shall instead be incidental to other items in the Proposal.

2-03 ROADWAY EXCAVATION AND EMBANKMENT

2-03.1 Description

Supplement this section with the following:

This work shall also include the following Work:

- Excavation, haul, and placement of special borrow,
- Excavation to subgrade of the bioretention cells including scarifying the soil to a minimum depth to allow the placement of the bioretention soil media and gravel backfill for drains to the finished grades,
- Excavation to subgrade of the ditch including scarifying the soil to a minimum depth to allow the placement of the streambed cobbles to the finished grade as shown on the Plans.

2-03.3 Construction Requirements

2-03.3(3) Excavation Below Subgrade

Supplement this section with the following:

Pot-hole Existing Utility

A water main exists in the vicinity of the proposed shared-use path as indicated on the Plans. At least 24 hours prior to excavation in the vicinity of the water main at locations shown on the Plans, the Contractor shall expose by pot-holing existing water main as shown in the Plans. Excavation immediately adjacent to the existing utilities shall be by hand methods in compliance with Washington State requirements.

2-03.3(7) Disposal of Surplus Material

Delete this section and replace with the following:

A waste site has not been provided by the Contracting Agency for the disposal of excess materials and construction debris. The Contractor shall be

solely responsible for loading, hauling and the disposal of all surplus material and construction debris in a manner complying with all local, state and federal statutes and regulations.

2-03.3(9) Roadway Ditches

Supplement this section with the following:

Excavation for the bioretention cell and work within the bioretention cell footprint shall be completed in accordance with Section 8-28.3 of these Special Provisions.

2-03.3(13) Borrow

Supplement this section with the following:

The Contractor must provide the Engineer with written notice at least 24 hours before hauling and placing backfill materials from off-site locations. This notice is essential in scheduling inspection personnel and item quantity ticket takers. Failure by the Contractor to begin hauling and placing materials at the agreed time may result in a penalty equal to the standby cost incurred by the County. The penalty will be calculated and deducted from the item being hauled.

2-03.4 Measurement

Supplement this section with the following:

Special Borrow including Haul will be measured by the ton. Measurement when used to build embankments and to backfill for unsuitable foundation materials will be to the actual limits ordered by the Engineer. When used in backfill of sewer trenches, measurement will be for material placed inside the limits defined in Section 2-09.4.

Computation of Excavation and Embankment Quantities
Only one determination of the original ground elevation will be made on this project. Measurement for Roadway Excavation Including Haul and Embankment Compaction will be based on the original ground elevation recorded previous to the award of this Contract minus a factor to account for the removal of organic material during clearing and grubbing. It is anticipated that depth of removal of organic material during clearing and grubbing for this project will vary and a factor of minus 6 inches will be used to determine ground elevation after clearing and grubbing. Control stakes will be set during construction to provide the Contractor with all essential information for the construction of excavation and embankments.

If discrepancies are discovered in the ground elevations which will materially affect the quantities of earthwork, the original computations of earthwork quantities will be adjusted accordingly.

Earthwork quantities will be computed, either manually or by means of electronic data processing equipment, by use of the average end area method or by the finite element analysis method utilizing digital terrain modeling techniques.

2-03.5 Payment

Supplement this section with the following:

Bioretention and conveyance ditch excavation will be measured and paid for under “Roadway Excavation Including Haul”.

All costs involved in the loading, hauling and the disposal of all surplus material and construction debris shall be included in the bid prices of the items shown on the proposal and no further payment will be made.

2-09 STRUCTURE EXCAVATION

2-09.3 Construction Requirements

2-09.3(1)A Staking, Cross-Sectioning, and Inspecting

Supplement this section by adding the following two paragraphs at the end:

At least 24 hours prior to commencing any excavation, the Contractor shall expose by pot-holing existing underground telephone cables, gas mains, sewer mains, water mains or any other underground utility shown in the Plans that crosses the location of the new structure to be installed under this contract. Excavation immediately adjacent to the existing utilities shall be by hand methods in compliance with Washington State requirements.

When directed by the Engineer, the Contractor shall expose by pot-holing crossings of new pipe and utilities not shown in the Plans.

2-09.3(1)C Removal of Unstable Base Material

Revise this section to read:

When the material at the bottom of an excavation is not stable enough to support the Structure, the Contractor shall excavate below grade and replace the unstable material with gravel borrow per 9-03.14(1).

Gravel borrow shall be placed in layers not more than 6 inches thick with each layer compacted to 95 percent of the maximum density determined by the Compaction Control Test, Section 2-03.3(14)D.

2-09.4 Measurement

Delete paragraphs 1 through 9 of this section and replace them with the following:

No measurement will be made for Structure Excavation Class B or Structure Excavation Class B including Haul. All costs for such excavation shall be included in the unit contract price shown in the proposal for the item to be installed.

Delete the second sentence of the eleventh paragraph and replace it with the following:

No specific unit of measurement shall apply to the lump sum item of shoring or extra excavation Class B.

Delete the third, fourth, fifth, and sixth sentences of the ninth paragraph.

2-09.5 Payment

In the first paragraph delete all references to “Structure Excavation Class B” and “Structure Excavation Class B including Haul”. Insert the following at the end of the paragraph:

All costs for Structure Excavation Class B or Structure Excavation Class B including Haul shall be included in the unit price for the item to be installed and no further payment will be made.

Delete the ninth, tenth and eleventh paragraph and replace them with the following:

"Shoring or Extra Excavation Class B", lump sum.

The lump sum Contract price for Shoring or Extra Excavation Class B shall be full pay for all excavation, backfill, compaction and other Work required when extra excavation is used in lieu of constructing shoring. If select backfill is required for backfilling within the limits of the Structure Excavation, it shall also be required as backfill material for the extra excavation at the Contractor’s expense.

END OF DIVISION 2

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DIVISION 4 BASES

4-04 BALLAST AND CRUSHED SURFACING

4-04.2 Materials

Supplement this section with the following:

Ledge Rock See Special Provision 9-03.9(5)

4-04.3 Construction Requirements

4-04.3(7) Miscellaneous Requirements

Supplement this section with the following:

The Contractor must provide the Engineer with written notice at least 24 hours before hauling and placing surfacing materials from off-site locations. This notice is essential in scheduling inspection personnel and item quantity ticket takers. Failure by the Contractor to begin hauling and placing materials at the agreed time may result in a penalty equal to the standby cost incurred by the County. The penalty will be calculated and deducted from the item being hauled.

4-04.4 Measurement

Supplement this section with the following:

Ledge rock will be measured by the ton.

4-04.5 Payment

Supplement this section with the following:

“Ledge Rock”, per ton.

END OF DIVISION 4

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DIVISION 5 SURFACE TREATMENTS AND PAVEMENTS

5-04 HOT MIX ASPHALT

Delete Section 5-04, Hot Mix Asphalt, and replace it with the following:

5-04.1 Description

This Work shall consist of providing and placing one or more layers of plant-mixed hot mix asphalt (HMA) on a prepared foundation or base in accordance with these Specifications and the lines, grades, thicknesses, and typical cross-sections shown in the Plans. The manufacture of HMA may include warm mix asphalt (WMA) processes in accordance with these Specifications. WMA processes include organic additives, chemical additives, and foaming.

HMA shall be composed of asphalt binder and mineral materials as may be required, mixed in the proportions specified to provide a homogeneous, stable, and workable mixture.

5-04.2 Materials

Materials shall meet the requirements of the following sections:

Asphalt Binder	9-02.1(4)
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
HMA Additive	9-02.5
Aggregates	9-03.8
Recycled Asphalt Pavement (RAP)	9-03.8(3)B, 9-03.21
Reclaimed Asphalt Shingles (RAS)	9-03.8(3)B, 9-03.21
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21

The Contract documents may establish that the various mineral materials required for the manufacture of HMA will be furnished in whole or in part by the Contracting Agency. If the documents do not establish the furnishing of any of these mineral materials by the Contracting Agency, the Contractor shall be required to furnish such materials in the amounts required for the designated mix. Mineral materials include coarse and fine aggregates, and mineral filler.

The Contractor may choose to utilize recycled asphalt pavement (RAP) in the production of HMA. The RAP may be from pavements removed under the Contract, if any, or pavement material from an existing stockpile.

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP.

If the Contractor wishes to utilize High RAP/Any RAS, the design must be listed on the WSDOT Qualified Products List (QPL).

The grade of asphalt binder shall be as required by the Contract. Blending of asphalt binder from different sources is not permitted.

The Contractor may only use warm mix asphalt (WMA) processes in the production of HMA with 20 percent or less RAP by total weight of HMA. The Contractor shall submit to the Engineer for approval the process that is proposed and how it will be used in the manufacture of HMA.

Production of aggregates shall comply with the requirements of Section 3-01. Preparation of stockpile site, the stockpiling of aggregates, and the removal of aggregates from stockpiles shall comply with the requirements of Section 3-02.

5-04.2(1) How to Get an HMA Mix Design on the QPL
If the Contractor wishes to submit a mix design for inclusion in the Qualified Products List (QPL), please follow the WSDOT process outlined in Standard Specification 5-04.2(1).

5-04.2(1)A Vacant

5-04.2(2) Mix Design - Obtaining Project Approval
No paving shall begin prior to the approval of the mix design by the Engineer.

Nonstatistical evaluation will be used for all HMA not designated as Commercial HMA in the Contract documents.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. The Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities used in the determination of nonstatistical evaluation.

Nonstatistical Mix Design. Fifteen days prior to the first day of paving the Contractor shall provide one of the following mix design verification certifications for Contracting Agency review;

- The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix design verification certifications listed below.
- The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.
- The Mix Design Report for the proposed HMA mix design developed by a qualified City or County laboratory that is within one year of the approval date.

The mix design shall be performed by a lab accredited by a national authority such as Laboratory Accreditation Bureau, L-A-B for Construction Materials Testing, The Construction Materials Engineering Council (CMEC's) ISO 17025 or AASHTO Accreditation Program (AAP) and shall supply evidence of participation in the AASHTO: resource proficiency sample program.

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Have the aggregate structure and asphalt binder content determined in accordance with WSDOT Standard Operating Procedure 732 and meet the requirements of Sections 9-03.8(2), except that Hamburg testing for ruts and stripping are at the discretion of the Engineer, and 9-03.8(6).
- Have anti-strip requirements, if any, for the proposed mix design determined in accordance with AASHTO T 283 or T 324 or based on historic anti-strip and aggregate source compatibility from previous WSDOT lab testing.

At the discretion of the Engineer, agencies may accept verified mix designs older than 12 months from the original verification date with a certification from the Contractor that the materials and sources are the same as those shown on the original mix design.

Commercial Evaluation Mix Design. Approval of a mix design for "Commercial Evaluation" will be based on a review of the Contractor's submittal of WSDOT Form 350-042 (for commercial mixes, AASHTO T 324 evaluation is not required) or a Mix Design from the current WSDOT QPL or from one of the processes allowed by this section. Testing of the HMA by the Contracting Agency for mix design approval is not required.

For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of ESALs appropriate for the required use.

5-04.2(2)B Using Warm Mix Asphalt Processes

The Contractor may elect to use additives that reduce the optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include organic additives, chemical additives and foaming processes. The use of Additives is subject to the following:

- Do not use additives that reduce the mixing temperature more than allowed in Section 5-04.3(6) in the production of mixtures.
- Before using additives, obtain the Engineer's approval using WSDOT Form 350-076 to describe the proposed additive and process.

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

Do not place HMA for wearing course on any Traveled Way beginning October 1st through March 31st of the following year without written concurrence from the Engineer.

Do not place HMA on any wet surface, or when the average surface temperatures are less than those specified below, or when weather conditions otherwise prevent the proper handling or finishing of the HMA.

Minimum Surface Temperature for Paving

Compacted Thickness (Feet)	Wearing Course	Other Courses
Less than 0.10	55°F	45°F
0.10 to .20	45°F	35°F
More than 0.20	35°F	35°F

5-04.3(2) Paving Under Traffic

When the Roadway being paved is open to traffic, the requirements of this Section shall apply.

The Contractor shall keep intersections open to traffic at all times except when paving the intersection or paving across the intersection. During such time, and provided that there has been an advance warning to the public, the intersection may be closed for the minimum time required to place and compact the mixture. In hot weather, the Engineer may require the application of water to the pavement to accelerate the finish rolling of the pavement and to shorten the time required before reopening to traffic.

Before closing an intersection, advance warning signs shall be placed, and signs shall also be placed marking the detour or alternate route.

During paving operations, temporary pavement markings shall be maintained throughout the project. Temporary pavement markings shall be installed on the Roadway prior to opening to traffic. Temporary pavement markings shall be in accordance with Section 8-23.

All costs in connection with performing the Work in accordance with these requirements shall be included in the unit Contract prices for the various Bid items involved in the Contract.

5-04.3(3) Equipment

5-04.3(3)A Mixing Plant

Plants used for the preparation of HMA shall conform to the following requirements:

1. **Equipment for Preparation of Asphalt Binder** – Tanks for the storage of asphalt binder shall be equipped to heat and hold the material at the required temperatures. The heating shall be accomplished by steam coils, electricity, or other approved means so that no flame shall be in contact with the storage tank. The circulating system for the asphalt binder shall be designed to ensure proper and continuous circulation during the operating period. A valve for the purpose of sampling the asphalt binder shall be placed in either the storage tank or in the supply line to the mixer.

2. **Thermometric Equipment** – An armored thermometer, capable of detecting temperature ranges expected in the HMA mix, shall be fixed in the asphalt binder feed line at a location near the charging valve at the mixer unit. The thermometer location shall be convenient and safe for access by Inspectors. The plant shall also be equipped with an approved dial-scale thermometer, a mercury actuated thermometer, an electric pyrometer, or another approved thermometric instrument placed at the discharge chute of the drier to automatically register or indicate the temperature of the heated aggregates. This device shall be in full view of the plant operator.

3. **Heating of Asphalt Binder** – The temperature of the asphalt binder shall not exceed the maximum recommended by the asphalt binder manufacturer nor shall it be below the minimum temperature required to maintain the asphalt binder in a homogeneous state. The asphalt binder shall be heated in a manner that will avoid local variations in heating. The heating method shall provide a continuous supply of asphalt binder to the mixer at a uniform average temperature with no individual variations exceeding 25°F. Also, when a WMA additive is included in the asphalt binder, the temperature of the asphalt binder shall not exceed the maximum recommended by the manufacturer of the WMA additive.

4. **Sampling and Testing of Mineral Materials** – The HMA plant shall be equipped with a mechanical sampler for the sampling of the mineral materials. The mechanical sampler shall meet the requirements of Section 1-05.6 for the crushing and screening operation. The Contractor shall

provide for the setup and operation of the field-testing facilities of the Contracting Agency as provided for in Section 3-01.2(2).

5. **Sampling HMA** – The HMA plant shall provide for sampling HMA by one of the following methods:

   a. A mechanical sampling device attached to the HMA plant.

   b. Platforms or devices to enable sampling from the hauling vehicle without entering the hauling vehicle.

5-04.3(3)B Hauling Equipment

Trucks used for hauling HMA shall have tight, clean, smooth metal beds and shall have a cover of canvas or other suitable material of sufficient size to protect the mixture from adverse weather. Whenever the weather conditions during the work shift include, or are forecast to include precipitation or an air temperature less than 45°F or when time from loading to unloading exceeds 30 minutes, the cover shall be securely attached to protect the HMA.

The Contractor shall provide an environmentally benign means to prevent the HMA mixture from adhering to the hauling equipment. Excess release agent shall be drained prior to filling hauling equipment with HMA. Petroleum derivatives or other coating material that contaminate or alter the characteristics of the HMA shall not be used. For live bed trucks, the conveyer shall be in operation during the process of applying the release agent.

5-04.3(3)C Pavers

HMA pavers shall be self-contained, power-propelled units, provided with an internally heated vibratory screed and shall be capable of spreading and finishing courses of HMA plant mix material in lane widths required by the paving section shown in the Plans.

The HMA paver shall be in good condition and shall have the most current equipment available from the manufacturer for the prevention of segregation of the HMA mixture installed, in good condition, and in working order. The equipment certification shall list the make, model, and year of the paver and any equipment that has been retrofitted.

The screed shall be operated in accordance with the manufacturer's recommendations and shall effectively produce a finished surface of the required evenness and texture without tearing, shoving, segregating, or gouging the mixture. A copy of the manufacturer's recommendations shall be provided upon request by the Contracting Agency. Extensions will be allowed provided they produce the same results, including ride, density, and surface texture as obtained by the primary screed. Extensions without augers and an internally heated vibratory screed shall not be used in the Traveled Way.

When specified in the Contract, reference lines for vertical control will be required. Lines shall be placed on both outer edges of the Traveled Way of each Roadway. Horizontal control utilizing the reference line will be permitted. The grade and slope for intermediate lanes shall be controlled automatically from reference lines or by means of a mat referencing device and a slope control device. When the finish of the grade prepared for paving is superior to the established tolerances and when, in the opinion of the Engineer, further improvement to the line, grade, cross-section, and smoothness can best be achieved without the use of the reference line, a mat referencing device may be substituted for the reference line. Substitution of the device will be subject to the continued approval of the Engineer. A joint matcher may be used subject to the approval of the Engineer. The reference line may be removed after the completion of the first course of HMA when approved by the Engineer. Whenever the Engineer determines that any of these methods are failing to provide the necessary vertical control, the reference lines will be reinstalled by the Contractor.

The Contractor shall furnish and install all pins, brackets, tensioning devices, wire, and accessories necessary for satisfactory operation of the automatic control equipment.

If the paving machine in use is not providing the required finish, the Engineer may suspend Work as allowed by Section 1-08.6. Any cleaning or solvent type liquids spilled on the pavement shall be thoroughly removed before paving proceeds.

5-04.3(3)D Material Transfer Device or Material Transfer Vehicle

A Material Transfer Device/Vehicle (MTD/V) shall only be used with the Engineer's approval, and is NOT required on this Contract.

Where an MTD/V is required by the Contract, the Engineer may approve paving without an MTD/V, at the request of the Contractor. The Engineer will determine if an equitable adjustment in cost or time is due.

When used, the MTD/V shall mix the HMA after delivery by the hauling equipment and prior to laydown by the paving machine. Mixing of the HMA shall be sufficient to obtain a uniform temperature throughout the mixture. If a windrow elevator is used, the length of the windrow may be limited in urban areas or through intersections, at the discretion of the Engineer.

To be approved for use, an MTV:

1. Shall be self-propelled vehicle, separate from the hauling vehicle or paver.

2. Shall not be connected to the hauling vehicle or paver.

3. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

4. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

5. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

To be approved for use, an MTD:

1. Shall be positively connected to the paver.

2. May accept HMA directly from the haul vehicle or pick up HMA from a windrow.

3. Shall mix the HMA after delivery by the hauling equipment and prior to placement into the paving machine.

4. Shall mix the HMA sufficiently to obtain a uniform temperature throughout the mixture.

5-04.3(3)E Rollers

Rollers shall be of the steel wheel, vibratory, oscillatory, or pneumatic tire type, in good condition and capable of reversing without backlash. Operation of the roller shall be in accordance with the manufacturer's recommendations. When ordered by the Engineer for any roller planned for use on the project, the Contractor shall provide a copy of the manufacturer's recommendation for the use of that roller for compaction of HMA. The number and weight of rollers shall be sufficient to compact the mixture in compliance with the requirements of Section 5-04.3(10). The use of equipment that results in crushing of the aggregate will not be permitted. Rollers producing pickup, washboard, uneven compaction of the surface, displacement of the mixture or other undesirable results shall not be used.

5-04.3(4) Preparation of Existing Paved Surfaces

When the surface of the existing pavement or old base is irregular, the Contractor shall bring it to a uniform grade and cross-section as shown on the Plans or approved by the Engineer.

Preleveling of uneven or broken surfaces over which HMA is to be placed may be accomplished by using an asphalt paver, a motor patrol grader, or by hand raking, as approved by the Engineer.

Compaction of preleveling HMA shall be to the satisfaction of the Engineer and may require the use of small steel wheel rollers, plate compactors, or pneumatic rollers to avoid bridging across preleveled areas by the compaction equipment. Equipment used for the compaction of preleveling HMA shall be approved by the Engineer.

Before construction of HMA on an existing paved surface, the entire surface of the pavement shall be clean. All fatty asphalt patches, grease drippings, and other objectionable matter shall be entirely removed from the existing pavement. All pavements or bituminous surfaces shall be thoroughly cleaned of dust, soil, pavement grindings, and other foreign matter. All holes and small depressions shall be filled with an appropriate class of HMA. The surface of the patched area shall be leveled and compacted thoroughly. Prior to the application of tack coat, or paving, the condition of the surface shall be approved by the Engineer.

A tack coat of asphalt shall be applied to all paved surfaces on which any course of HMA is to be placed or abutted; except that tack coat may be omitted from clean, newly paved surfaces at the discretion of the Engineer. Tack coat shall be uniformly applied to cover the existing pavement with a thin film of residual asphalt free of streaks and bare spots at a rate between 0.02 and 0.10 gallons per square yard of retained asphalt. The rate of application shall be approved by the Engineer. A heavy application of tack coat shall be applied to all joints. For Roadways open to traffic, the application of tack coat shall be limited to surfaces that will be paved during the same working shift. The spreading equipment shall be equipped with a thermometer to indicate the temperature of the tack coat material.

Equipment shall not operate on tacked surfaces until the tack has broken and cured. If the Contractor's operation damages the tack coat it shall be repaired prior to placement of the HMA.

The tack coat shall be CSS-1, or CSS-1h emulsified asphalt. The CSS-1 and CSS-1h emulsified asphalt may be diluted once with water at a rate not to exceed one-part water to one-part emulsified asphalt. The tack coat shall have sufficient temperature such that it may be applied uniformly at the specified rate of application and shall not exceed the maximum temperature recommended by the emulsified asphalt manufacturer.

5-04.3(4)A Crack Sealing

When the Proposal includes a pay item for crack sealing, seal cracks in accordance with Section 5-03.

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

The Contractor shall excavate pavement repair areas and shall backfill these with HMA in accordance with the details shown in the Plans and as marked in the field. The Contractor shall conduct the excavation operations in a manner that will protect the pavement that is to remain. Pavement not designated to be removed that is damaged as a result of the Contractor's operations shall be repaired by the Contractor to the satisfaction of the Engineer at no cost to the Contracting Agency. The Contractor shall excavate only within one lane at a time unless approved otherwise by the Engineer. The Contractor shall not excavate more area than can be completely finished during the same shift, unless approved by the Engineer.

Unless otherwise shown in the Plans or determined by the Engineer, excavate to a depth of 1.0 feet. The Engineer will make the final determination of the excavation depth required. The minimum width of any pavement repair area shall be 40 inches unless shown otherwise in the Plans. Before any excavation, the existing pavement shall be sawcut or shall be removed by a pavement grinder. Excavated materials will become the property of the Contractor and shall be disposed of in a Contractor-provided site off the Right of Way or used in accordance with Sections 2-02.3(3) or 9-03.21.

Asphalt for tack coat shall be required as specified in Section 5-04.3(4). A heavy application of tack coat shall be applied to all surfaces of existing pavement in the pavement repair area.

Placement of the HMA backfill shall be accomplished in lifts not to exceed 0.35-foot compacted depth. Lifts that exceed 0.35-foot of compacted depth may be accomplished with the approval of the Engineer. Each lift shall be thoroughly compacted by a mechanical tamper or a roller.

5-04.3(5) Producing/Stockpiling Aggregates and RAP

Aggregates and RAP shall be stockpiled according to the requirements of Section 3-02. Sufficient storage space shall be provided for each size of aggregate and RAP. Materials shall be removed from stockpile(s) in a manner to ensure minimal segregation when being moved to the HMA plant for processing into the final mixture. Different aggregate sizes shall be kept separated until they have been delivered to the HMA plant.

5-04.3(5)A Vacant

5-04.3(6) Mixing

After the required amount of mineral materials, asphalt binder, recycling agent and anti-stripping additives have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials is ensured.

When discharged, the temperature of the HMA shall not exceed the optimum mixing temperature by more than 25°F as shown on the reference mix design report or as approved by the Engineer. Also, when a WMA additive is included in the manufacture of HMA, the discharge temperature of the HMA shall not exceed the maximum recommended by the manufacturer of the WMA additive. A maximum water content of 2 percent in the mix, at discharge, will be allowed providing the water causes no problems with handling, stripping, or flushing. If the water in the HMA causes any of these problems, the moisture content shall be reduced as directed by the Engineer.

Storing or holding of the HMA in approved storage facilities will be permitted with approval of the Engineer, but in no event shall the HMA be held for more than 24 hours. HMA held for more than 24 hours after mixing shall be rejected. Rejected HMA shall be disposed of by the Contractor at no expense to the Contracting Agency. The storage facility shall have an accessible device located at the top of the cone or about the third point. The device shall indicate the amount of material in storage. No HMA shall be accepted from the storage facility when the HMA in storage is below the top of the cone of the storage facility, except as the storage facility is being emptied at the end of the working shift.

Recycled asphalt pavement (RAP) utilized in the production of HMA shall be sized prior to entering the mixer so that a uniform and thoroughly mixed HMA is produced. If there is evidence of the recycled asphalt pavement not breaking down during the heating and mixing of the HMA, the Contractor shall immediately suspend the use of the RAP until changes have been approved by the Engineer. After the required amount of mineral materials, RAP, new asphalt binder and asphalt rejuvenator have been introduced into the mixer the HMA shall be mixed until complete and uniform coating of the particles and thorough distribution of the asphalt binder throughout the mineral materials, and RAP is ensured.

5-04.3(7) Spreading and Finishing

The mixture shall be laid upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used to distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

HMA Class 1”	0.35 feet
HMA Class ¾” and HMA Class ½”	
wearing course	0.30 feet
other courses	0.35 feet
HMA Class ⅜”	0.15 feet

On areas where irregularities or unavoidable obstacles make the use of mechanical spreading and finishing equipment impractical, the paving may be done with other equipment or by hand.

When more than one JMF is being utilized to produce HMA, the material produced for each JMF shall be placed by separate spreading and compacting equipment. The intermingling of HMA produced from more than one JMF is prohibited. Each strip of HMA placed during a work shift shall conform to a single JMF established for the class of HMA specified unless there is a need to make an adjustment in the JMF.

5-04.3(8) Aggregate Acceptance Prior to Incorporation in HMA

For HMA accepted by nonstatistical evaluation, the aggregate properties of sand equivalent, uncompacted void content, and fracture will be evaluated in accordance with Section 3-04. Sampling and testing of aggregates for HMA accepted by commercial evaluation will be at the option of the Engineer.

5-04.3(9) HMA Mixture Acceptance

Acceptance of HMA shall be as provided under nonstatistical, or commercial evaluation.

Nonstatistical evaluation will be used for the acceptance of HMA unless Commercial Evaluation is specified.

Commercial evaluation will be used for Commercial HMA and for other classes of HMA in the following applications: sidewalks, road approaches, ditches, slopes, paths, trails, gores, prelevel, temporary pavement, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Engineer.

The mix design will be the initial JMF for the class of HMA. The Contractor may request a change in the JMF. Any adjustments to the JMF will require the approval of the Engineer and may be made in accordance with this section.

HMA Tolerances and Adjustments

1. **Job Mix Formula Tolerances** – The constituents of the mixture at the time of acceptance shall be within tolerance. The tolerance limits will be established as follows:

   For Asphalt Binder and Air Voids (Va), the acceptance limits are determined by adding the tolerances below to the approved JMF values. These values will also be the Upper Specification Limit (USL) and Lower Specification Limit (LSL) required in Section 1-06.2(2)D2

Property	Non-Statistical Evaluation	Commercial Evaluation
Asphalt Binder	+/- 0.5%	+/- 0.7%
Air Voids, Va	2.5% min. and 5.5% max	N/A

For Aggregates in the mixture:

a. First, determine preliminary upper and lower acceptance limits by applying the following tolerances to the approved JMF.

Aggregate Percent Passing	Non-Statistical Evaluation	Commercial Evaluation
1", ¾", ½", and 3/8" sieves	+/- 6%	+/- 8%
No. 4 sieve	+/-6%	+/- 8%
No. 8 Sieve	+/- 6%	+/-8%
No. 200 sieve	+/- 2.0%	+/- 3.0%

b. Second, adjust the preliminary upper and lower acceptance limits determined from step (a) the minimum amount necessary so that none of the aggregate properties are outside the control points in Section 9-03.8(6). The resulting values will be the upper and lower acceptance limits for aggregates, as well as the USL and LSL required in Section 1-06.2(2)D2.

2. Job Mix Formula Adjustments – An adjustment to the aggregate gradation or asphalt binder content of the JMF requires approval of the Engineer. Adjustments to the JMF will only be considered if the change produces material of equal or better quality and may require the development of a new mix design if the adjustment exceeds the amounts listed below.

   a. **Aggregates** –2 percent for the aggregate passing the 1½″, 1″, ¾″, ½″, ⅜″, and the No. 4 sieves, 1 percent for aggregate passing the No. 8 sieve, and 0.5 percent for the aggregate passing the No. 200 sieve. The adjusted JMF shall be within the range of the control points in Section 9-03.8(6).

   b. **Asphalt Binder Content** – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent.

5-04.3(9)A Vacant

5-04.3(9)B Vacant

5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation
HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the Contracting Agency by dividing the HMA tonnage into lots.

5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots and Sublots
A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A sublot shall be equal to one day's production or 800 tons, whichever is less except that the final sublot will be a minimum of 400 tons and may be increased to 1200 tons.

All of the test results obtained from the acceptance samples from a given lot shall be evaluated collectively. If the Contractor requests a change to the JMF that is approved, the material produced after the change will be evaluated on the basis of the new JMF for the remaining sublots in the current lot and for acceptance of subsequent lots. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

Sampling and testing for evaluation shall be performed on the frequency of one sample per sublot.

5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling
Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with AASH-TO T 168. A minimum of three samples should be taken for each class of HMA placed on a project. If used in a structural application, at least one of the three samples shall be tested.

Sampling and testing HMA in a structural application where quantities are less than 400 tons is at the discretion of the Engineer.

For HMA used in a structural application and with a total project quantity less than 800 tons but more than 400 tons, a minimum of one acceptance test shall be performed. In all cases, a minimum of 3 samples will be obtained at the point of acceptance, a minimum of one of the three samples will be tested for conformance to the JMF:

- If the test results are found to be within specification requirements, additional testing will be at the Engineer's discretion.

- If test results are found not to be within specification requirements, additional testing of the remaining samples to determine a CPF shall be performed.

5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing
Testing of HMA for compliance of V_a will at the option of the Contracting Agency. If tested, compliance of V_a will use WSDOT SOP 731.

Testing for compliance of asphalt binder content will be by WSDOT FOP for AASHTO T 308.

Testing for compliance of gradation will be by FOP for WAQTC T 27/T 11.

5-04.3(9)C4 Mixture Nonstatistical Evaluation – Pay Factors
For each lot of material falling outside the tolerance limits in 5-04.3(9), the Contracting Agency will determine a CPF using the following price adjustment factors:

Table of Price Adjustment Factors	
Constituent	**Factor "f"**
All aggregate passing: 1½″, 1″, ¾″, ½″, ⅜″ and No.4 sieves	2
All aggregate passing No. 8 sieve	15
All aggregate passing No. 200 sieve	20
Asphalt binder	40
Air Voids (Va) (where applicable)	20

Each lot of HMA produced under Nonstatistical Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the nonstatistical tolerance limits in the Job Mix Formula shown in Table of Price Adjustment Factors, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The nonstatistical tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the Roadway shall be tested to provide a minimum of three sets of results for evaluation.

5-04.3(9)C5 Vacant

5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments
For each lot of HMA mix produced under Nonstatistical Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The total job mix compliance price adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the CPF.

5-04.3(9)C7 Mixture Nonstatistical Evaluation - Retests

The Contractor may request a sublot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency, V_a. The results of the retest will be used for the acceptance of the HMA in place of the original sublot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of $500 per sample.

5-04.3 (9)D Mixture Acceptance – Commercial Evaluation

If sampled and tested, HMA produced under Commercial Evaluation and having all constituents falling within the tolerance limits of the job mix formula shall be accepted at the unit Contract price with no further evaluation. When one or more constituents fall outside the commercial tolerance limits in the Job Mix Formula shown in 5-04.3(9), the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The commercial tolerance limits will be used in the calculation of the CPF and the maximum CPF shall be 1.00. When less than three sublots exist, backup samples of the existing sublots or samples from the street shall be tested to provide a minimum of three sets of results for evaluation.

For each lot of HMA mix produced and tested under Commercial Evaluation when the calculated CPF is less than 1.00, a Nonconforming Mix Factor (NCMF) will be determined. The NCMF equals the algebraic difference of CPF minus 1.00 multiplied by 60 percent. The Job Mix Compliance Price Adjustment will be calculated as the product of the NCMF, the quantity of HMA in the lot in tons, and the unit Contract price per ton of mix.

If a constituent is not measured in accordance with these Specifications, its individual pay factor will be considered 1.00 in calculating the CPF.

5-04.3(10) HMA Compaction Acceptance

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a CPF of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT

FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge or Roadway cores after completion of the finish rolling.

If the Contracting Agency uses a nuclear density gauge to determine density the test procedures FOP for WAQTC TM 8 and WSDOT SOP T 729 will be used on the day the mix is placed and prior to opening to traffic.

Roadway cores for density may be obtained by either the Contracting Agency or the Contractor in accordance with WSDOT SOP 734. The core diameter shall be 4-inches minimum, unless otherwise approved by the Engineer. Roadway cores will be tested by the Contracting Agency in accordance with WSDOT FOP for AASHTO T 166.

If the Contract includes the Bid item “Roadway Core”, the cores shall be obtained by the Contractor in the presence of the Engineer on the same day the mix is placed and at locations designated by the Engineer. If the Contract does not include the Bid item “Roadway Core”, the Contracting Agency will obtain the cores.

For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor’s request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used for preleveling wheel rutting shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

Test Results

For a sublot that has been tested with a nuclear density gauge that did not meet the minimum of 92 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the

Contractor may request that a core be used for determination of the relative density of the sublot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the sublot and will be used for calculation of the CPF and acceptance of HMA compaction lot.

When cores are taken by the Contracting Agency at the request of the Contractor, they shall be requested by noon of the next workday after the test results for the sublot have been provided or made available to the Contractor. Core locations shall be outside of wheel paths and as determined by the Engineer. Traffic control shall be provided by the Contractor as requested by the Engineer. Failure by the Contractor to provide the requested traffic control will result in forfeiture of the request for cores. When the CPF for the lot based on the results of the HMA cores is less than 1.00, the cost for the coring will be deducted from any monies due or that may become due the Contractor under the Contract at the rate of $200 per core and the Contractor shall pay for the cost of the traffic control.

5-04.3(10)A HMA Compaction – General Compaction Requirements

Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

The type of rollers to be used and their relative position in the compaction sequence shall generally be the Contractor's option, provided the specified densities are attained. Unless the Engineer has approved otherwise, rollers shall only be operated in the static mode when the internal temperature of the mix is less than 175°F. Regardless of mix temperature, a roller shall not be operated in a mode that results in checking or cracking of the mat. Rollers shall only be operated in static mode on bridge decks.

5-04.3(10)B HMA Compaction - Cyclic Density

Low cyclic density areas are defined as spots or streaks in the pavement that are less than 90 percent of the theoretical maximum density. At the Engineer's discretion, the Engineer may evaluate the HMA pavement for low cyclic density, and when doing so will follow WSDOT SOP 733. A $500 Cyclic Density Price Adjustment will be assessed for any 500-foot section with two or more density readings below 90 percent of the theoretical maximum density.

5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

5-04.3(10)D1 HMA Nonstatistical Compaction - Lots and Sublots

HMA compaction which is accepted by nonstatistical evaluation will be based on acceptance testing performed by the Contracting Agency dividing the project into compaction lots.

A lot is represented by randomly selected samples of the same mix design that will be tested for acceptance. A lot is defined as the total quantity of material or work produced for each Job Mix Formula placed. Only one lot per JMF is expected. A sublot shall be equal to one day's production or 400 tons, whichever is less except that the final sublot will be a minimum of 200 tons and may be increased to 800 tons. Testing for compaction will be at the rate of 5 tests per sublot per WSDOT T 738.

The sublot locations within each density lot will be determined by the Engineer. For a lot in progress with a CPF less than 0.75, a new lot will begin at the Contractor's request after the Engineer is satisfied that material conforming to the Specifications can be produced.

HMA mixture accepted by commercial evaluation and HMA constructed under conditions other than those listed above shall be compacted on the basis of a test point evaluation of the compaction train. The test point evaluation shall be performed in accordance with instructions from the Engineer. The number of passes with an approved compaction train, required to attain the maximum test point density, shall be used on all subsequent paving.

HMA for preleveling shall be thoroughly compacted. HMA that is used to prelevel wheel ruts shall be compacted with a pneumatic tire roller unless otherwise approved by the Engineer.

5-04.3(10)D2 HMA Compaction Nonstatistical Evaluation – Acceptance Testing

The location of the HMA compaction acceptance tests will be randomly selected by the Engineer from within each sublot, with one test per sublot.

5-04.3(10)D3 HMA Nonstatistical Compaction – Price Adjustments

For each compaction lot with one or two sublots, having all sublots attain a relative density that is 92 percent of the reference maximum density the HMA shall be accepted at the unit Contract price with no further evaluation. When a sublot does not attain a relative density that is 92 percent of the reference maximum density, the lot shall be evaluated in accordance with Section 1-06.2 to determine the appropriate CPF. The maximum CPF shall be 1.00, however, lots with a calculated CPF in excess of 1.00 will be used to offset lots with CPF values below 1.00 but greater than 0.90. Lots with CPF lower than 0.90 will be evaluated for compliance per 5-04.3(11). Additional testing by either a nuclear moisture-density gauge or cores will be completed as required to provide a minimum of three tests for evaluation.

For compaction below the required 92%, a Non-Conforming Compaction Factor (NCCF) will be determined. The NCCF equals the algebraic difference of CPF minus 1.00 multiplied by 40 percent. The Compaction Price Adjustment will be calculated as the product of CPF, the quantity of HMA in the compaction control lot in tons, and the unit Contract price per ton of mix.

5-04.3(11) Reject Work

5-04.3(11)A Reject Work General
Work that is defective or does not conform to Contract requirements shall be rejected. The Contractor may propose, in writing, alternatives to removal and replacement of rejected material. Acceptability of such alternative proposals will be determined at the sole discretion of the Engineer. HMA that has been rejected is subject to the requirements in Section 1-06.2(2) and this specification, and the Contractor shall submit a corrective action proposal to the Engineer for approval.

5-04.3(11)B Rejection by Contractor
The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

5-04.3(11)C Rejection Without Testing (Mixture or Compaction)
The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

No payment will be made for the rejected materials or the removal of the materials unless the Contractor requests that the rejected material be tested. If the Contractor elects to have the rejected material tested, a minimum of three representative samples will be obtained and tested. Acceptance of rejected material will be based on conformance with the nonstatistical acceptance Specification. If the CPF for the rejected material is less than 0.75, no payment will be made for the rejected material; in addition, the cost of sampling and testing shall be borne by the Contractor. If the CPF is greater than or equal to 0.75, the cost of sampling and testing will be borne by the Contracting Agency. If the material is rejected before placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at a CPF of 0.75. If rejection occurs after placement and the CPF is greater than or equal to 0.75, compensation for the rejected material will be at the calculated CPF with an addition of 25 percent of the unit Contract price added for the cost of removal and disposal.

5-04.3(11)D Rejection - A Partial Sublot
In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal sublot any material that is suspected of being

defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)E Rejection - An Entire Sublot
An entire sublot that is suspected of being defective may be rejected. When a sublot is rejected a minimum of two additional random samples from this sublot will be obtained. These additional samples and the original sublot will be evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)F Rejection - A Lot in Progress
The Contractor shall shut down operations and shall not resume HMA placement until such time as the Engineer is satisfied that material conforming to the Specifications can be produced:

1. When the CPF of a lot in progress drops below 1.00 and the Contractor is taking no corrective action, or
2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the Contractor is taking no corrective action, or
3. When either the PF for any constituent or the CPF of a lot in progress is less than 0.75.

5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)
An entire lot with a CPF of less than 0.75 will be rejected.

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints
The Contractor shall conduct operations such that the placing of the top or wearing course is a continuous operation or as close to continuous as possible. Unscheduled transverse joints will be allowed, and the roller may pass over the unprotected end of the freshly laid mixture only when the placement of the course must be discontinued for such a length of time that the mixture will cool below compaction temperature. When the Work is resumed, the previously compacted mixture shall be cut back to produce a slightly beveled edge for the full thickness of the course.

A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or other methods approved by the Engineer. The

wrapping paper shall be removed and the joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

The material that is cut away shall be wasted and new mix shall be laid against the cut. Rollers or tamping irons shall be used to seal the joint.

5-04.3(12)A2 Longitudinal Joints
The longitudinal joint in any one course shall be offset from the course immediately below by not more than 6 inches nor less than 2 inches. All longitudinal joints constructed in the wearing course shall be located at a lane line or an edge line of the Traveled Way. A notched wedge joint shall be constructed along all longitudinal joints in the wearing surface of new HMA unless otherwise approved by the Engineer. The notched wedge joint shall have a vertical edge of not less than the maximum aggregate size or more than ½ of the compacted lift thickness and then taper down on a slope not steeper than 4H:1V. The sloped portion of the HMA notched wedge joint shall be uniformly compacted.

5-04.3(12)B Bridge Paving Joint Seals
Bridge Paving Joint Seals shall be in accordance with Section 5-03.

5-04.3(13) Surface Smoothness
The completed surface of all courses shall be of uniform texture, smooth, uniform as to crown and grade, and free from defects of all kinds. The completed surface of the wearing course shall not vary more than ⅛ inch from the lower edge of a 10-foot straightedge placed on the surface parallel to the centerline. The transverse slope of the completed surface of the wearing course shall vary not more than ¼ inch in 10 feet from the rate of transverse slope shown in the Plans.

When deviations in excess of the above tolerances are found that result from a high place in the HMA, the pavement surface shall be corrected by one of the following methods:

1. Removal of material from high places by grinding with an approved grinding machine, or

2. Removal and replacement of the wearing course of HMA, or

3. By other method approved by the Engineer.

Correction of defects shall be carried out until there are no deviations anywhere greater than the allowable tolerances.

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with

a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of $500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

When utility appurtenances such as manhole covers and valve boxes are located in the traveled way, the utility appurtenances shall be adjusted to the finished grade prior to paving. This requirement may be waived when requested by the Contractor, at the discretion of the Engineer or when the adjustment details provided in the project plan or specifications call for utility appurtenance adjustments after the completion of paving.

Utility appurtenance adjustment discussions will be included in the Pre-Paving and Pre-Planing Briefing (5-04.3(14)B3). Submit a written request to waive this requirement to the Engineer prior to the start of paving.

5-04.3(14) Planing Bituminous Pavement

The planing plan must be approved by the Engineer and a pre-planing meeting must be held prior to the start of any planing. See Section 5-04.3(14)B2 for information on planing submittals.

Where planing an existing pavement is specified in the Contract, the Contractor must remove existing surfacing material and to reshape the surface to remove irregularities. The finished product must be a prepared surface acceptable for receiving an HMA overlay.

Use the cold milling method for planing unless otherwise specified in the Contract. Do not use the planer on the final wearing course of new HMA.

Conduct planing operations in a manner that does not tear, break, burn, or otherwise damage the surface which is to remain. The finished planed surface must be slightly grooved or roughened and must be free from gouges, deep grooves, ridges, or other imperfections. The Contractor must repair any damage to the surface by the Contractor’s planing equipment, using an Engineer approved method.

Repair or replace any metal castings and other surface improvements damaged by planing, as determined by the Engineer.

A tapered wedge cut must be planed longitudinally along curb lines sufficient to provide a minimum of 4 inches of curb reveal after placement and compaction of the final wearing course. The dimensions of the wedge must be as shown on the Drawings or as specified by the Engineer.

A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet lines) where butt joints are shown on the Drawings. Cut butt joints

in a straight line with vertical faces 2 inches or more in height, producing a smooth transition to the existing adjoining pavement.

After planing is complete, planed surfaces must be swept, cleaned, and if required by the Contract, patched and preleveled.

The Engineer may direct additional depth planing. Before performing this additional depth planing, the Contractor must conduct a hidden metal in pavement detection survey as specified in Section 5-04.3(14)A.

5-04.3(14)A Pre-Planing Metal Detection Check

Before starting planing of pavements, and before any additional depth planing required by the Engineer, the Contractor must conduct a physical survey of existing pavement to be planed with equipment that can identify hidden metal objects.

Should such metal be identified, promptly notify the Engineer.

See Section 1-07.16(1) regarding the protection of survey monumentation that may be hidden in pavement.

The Contractor is solely responsible for any damage to equipment resulting from the Contractor's failure to conduct a pre-planing metal detection survey, or from the Contractor's failure to notify the Engineer of any hidden metal that is detected.

5-04.3(14)B Paving and Planing Under Traffic

5-04.3(14)B1 General

In addition, the requirements of Section 1-07.23 and the traffic controls required in Section 1-10, and unless the Contract specifies otherwise or the Engineer approves, the Contractor must comply with the following:

1. Intersections:

    a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in

the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).

b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.

c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.

d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.

e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.

2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.

3. Permanent pavement marking must comply with Section 8-22.

5-04.3(14)B2 Submittals - Planing Plan and HMA Paving Plan

The Contractor must submit a separate planing plan and a separate paving plan to the Engineer at least 5 Working Days in advance of each operation's activity start date. These plans must show how the moving operation and traffic control are coordinated, as they will be discussed at the pre-planing briefing and pre-paving briefing. When requested by the Engineer, the Contractor must provide each operation's traffic control plan on 24 x 36 inch or larger size Shop Drawings with a scale showing both the area of operation and sufficient detail of traffic beyond the area of operation where detour traffic may be required. The scale on the Shop Drawings is 1 inch = 20 feet, which may be changed if the Engineer agrees sufficient detail is shown.

The planing operation and the paving operation include, but are not limited to, metal detection, removal of asphalt and temporary asphalt of any kind, tack coat and drying, staging of supply trucks, paving trains, rolling, scheduling, and as may be discussed at the briefing.

When intersections will be partially or totally blocked, provide adequately sized and noticeable signage alerting traffic of closures to come, a minimum 2 Working Days in advance. The traffic control plan must show where police officers will be stationed when signalization is or may be, countermanded, and show areas where flaggers are proposed.

At a minimum, the planing and the paving plan must include:

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.

2. A copy of each intersection's traffic control plan.

3. Haul routes from supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.

4. Names and locations of HMA supplier facilities to be used.

5. List of all equipment to be used for paving.

6. List of personnel and associated job classification assigned to each piece of paving equipment.

7. Description (geometric or narrative) of the scheduled sequence of planing and of paving and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and coordination to be timely made. The plan must show HMA joints relative to the final pavement marking lane lines.

8. Names, job titles, and contact information for field, office, and plant supervisory personnel.

9. A copy of the approved Mix Designs.

10. Tonnage of HMA to be placed each day.

11. Approximate times and days for starting and ending daily operations.

5-04.3(14)B3 Pre-Paving and Pre-Planing Briefing

At least 2 Working Days before the first paving operation and the first planing operation, or as scheduled by the Engineer for future paving and planing operations to ensure the Contractor has adequately prepared for notifying and coordinating as required in the Contract, the Contractor must be prepared to discuss that day's operations as they relate to other entities and to public safety and convenience, including driveway and business access, garbage truck operations, transit operations and working around energized overhead wires, school and nursing home and hospital and other accesses, other Contractors who may be operating in the area, pedestrian and bicycle traffic, and emergency services. The Contractor, and Subcontractors that may be part of that day's operations, must meet with the Engineer and discuss the proposed operation as it relates to the submitted planing plan and paving plan, approved traffic control plan, and public convenience and safety. Such discussion includes, but is not limited to:

1. General for both the Paving and Planing:

    a. The actual times of starting and ending daily operations.

    b. In intersections, how to break up the intersection, and address traffic control and signalization for that operation, including use of peace officers.

    c. The sequencing and scheduling of paving operations and of planing operations, as applicable, as it relates to traffic control, public convenience and safety, and other Contractors who may operate in the Project limits.

    d. Notifications required of Contractor activities and coordinating with other entities and the public as necessary.

    e. Description of the sequencing of installation and types of temporary pavement markings as it relates to planning and paving.

    f. Description of the sequencing of installation of, and the removal of, temporary pavement patch material around exposed castings and as may be needed.

    g. Description of procedures and equipment to identify hidden metal in the pavement, such as survey monumentation, monitoring wells, streetcar rail, and castings, before planing as per Section 5-04.3(14)B2.

    h. Description of how flaggers will be coordinated with the planing, paving, and related operations.

i. Description of sequencing of traffic controls for the process of rigid pavement base repairs.

j. Other items the Engineer deems necessary to address.

2. Paving – additional topics:

a. When to start applying tack and coordinating with paving.

b. Types of equipment and numbers of each type of equipment to be used. If more pieces of equipment than personnel are proposed, describe the sequencing of the personnel operating the types of equipment. Discuss the continuance of operator personnel for each type of equipment as it relates to meeting Specification requirements.

c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.

d. Description of contingency plans for that day's operations such as equipment breakdown, rain out, and supplier shutdown of operations.

e. Number of sublots to be placed, sequencing of density testing, and other sampling and testing.

5-04.3(15) Sealing Pavement Surfaces

Apply a fog seal where shown in the plans. Construct the fog seal in accordance with Section 5-02.3. Unless otherwise approved by the Engineer, apply the fog seal prior to opening to traffic.

5-04.3(16) HMA Road Approaches

Construct HMA approaches at the locations shown in the Plans or where staked by the Engineer, in accordance with Section 5-04.

5-04.4 Measurement

HMA Cl. ___ PG ___, HMA for ___ Cl. ___ PG ___, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

HMA Road Approach will be measured by square yard of finished surface.

Roadway cores will be measured per each for the number of cores taken.

Pavement repair excavation will be measured by the square yard of surface marked prior to excavation.

Planing bituminous pavement will be measured by the square yard.

Temporary pavement marking will not be measured. All costs for providing and removal of temporary pavement marking shall be included the unit contract price per ton for HMA Class ½ inch PG 64-22 shown in the proposal.

5-04.5 Payment

Payment will be made for each of the following Bid items that are included in the Proposal:

"HMA Cl. ___ PG ___", per ton.

"HMA for Approach Cl. ___ PG ___", per ton.

"HMA for Preleveling Cl. ___ PG ___", per ton.

"HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Commercial HMA", per ton.

The unit Contract price per ton for "HMA Cl. ___ PG ___", "HMA for Approach Cl. ___ PG ___", "HMA for Preleveling Cl. ___ PG ___", "HMA for Pavement Repair Cl. ___ PG ___", and "Commercial HMA" shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

"HMA Road Approach", per square yard.

The unit contract price per square yard of HMA Road Approach shall be full compensation for all costs, including furnishing and placing Commercial HMA and Crushed Surfacing, labor, hauling, compaction and all other costs incurred to carry out the requirements of Section 5-04. Approach excavation and embankment compaction of approach subgrade will be paid for under "Roadway Excavation Including Haul" and "Embankment Compaction" in Section 2-03,

"Pavement Repair Excavation Incl. Haul", per square yard.

The unit Contract price per square yard for "Pavement Repair Excavation Incl. Haul" shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4) with the exception, however, that all costs

involved in the placement of HMA shall be included in the unit Contract price per ton for “HMA for Pavement Repair Cl. ___ PG ___”, per ton.

“Asphalt for Prime Coat”, per ton.

The unit Contract price per ton for “Asphalt for Prime Coat” shall be full payment for all costs incurred to obtain, provide and install the material in accordance with Section 5-04.3(4).

“Prime Coat Agg.”, per cubic yard, or per ton.

The unit Contract price per cubic yard or per ton for “Prime Coat Agg.” shall be full pay for furnishing, loading, and hauling aggregate to the place of deposit and spreading the aggregate in the quantities required by the Engineer.

“Planing Bituminous Pavement”, per square yard.

The unit Contract price per square yard for “Planing Bituminous Pavement” shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(14).

“Job Mix Compliance Price Adjustment”, by calculation.

“Job Mix Compliance Price Adjustment” will be calculated and paid for as described in Section 5-04.3(9)C6.

“Compaction Price Adjustment”, by calculation.

“Compaction Price Adjustment” will be calculated and paid for as described in Section 5-04.3(10)D3.

“Roadway Core”, per each.

The Contractor’s costs for all Work associated with the coring (e.g., traffic control) shall be incidental and included in the unit Bid price per each.

“Cyclic Density Price Adjustment”, by calculation.

“Cyclic Density Price Adjustment” will be calculated and paid for as described in Section 5-04.3(10)B.

END OF DIVISION 5

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DIVISION 7 DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATERMAINS AND CONDUITS

7-01 DRAINS

7-01.1 Description

Supplement this section with the following:

This Work consists of constructing dispersion trenches as shown in the Plans.

7-01.2 Materials

Supplement this section with the following:

Dispersion Trench

Dispersion Trench materials shall be as shown in the Plans and these specifications.

Support and notched grade board materials shall be pressure treated hemlock fir and meet the requirements of Sections 9-09 and 9-16. Fasteners shall be #9-gauge steel deck screws with polymer coating. Wood preservative shall be a copper and hydrocarbon solvent based product for application on pressure treated lumber.

Underdrain pipe and cleanout materials shall be in accordance with Section 7-01.2.

Gravel Backfill for Drain shall be in accordance with Section 9-03.12.

Construction Geotextile for Underground Drainage shall be in accordance with Section 2-12.2.

7-01.3 Construction Requirements

Supplement this section with the following:

Dispersion Trench

Dispersion Trench shall meet the dimensions and materials shown in the Plans and in accordance with these special provisions.

Geotextile fabric and underdrain pipe shall be installed as shown in the Plans.

Dispersion Trench construction shall include the installation of underdrain pipe, the combination wye and cleanout and the connection to the upstream catch basin.

Geotextile shall be placed at the edges and compacted bottom of excavation as shown on the Plan then place support posts and underdrain pipe at their final locations and partially backfill so that the posts are supported adequately to connect the notched grade board. Posts and grade board shall be adjusted to a stable upright position prior to placing final gravel backfill materials. Grade board notches shall be cut into the grade board as shown in the plans. Apply wood preservative to end cuts and notch cuts in lumber with either 3 coats of paint or brush on method or dip soak per manufacturer's recommendations.

7-01.4 Measurement

Supplement this section with the following:

No measurement will be made for the lump sum bid item "Dispersion Trench".

7-01.5 Payment

Supplement this section with the following:

"Dispersion Trench", lump sum.

The lump sum contract price for "Dispersion Trench" shall be full compensation for furnishing all labor, tools, equipment, and materials necessary for constructing dispersion trench as shown in the Plans including but not limited to: excavation, haul, disposal, backfilling, compaction, carpentry for installing lumber posts and grade board, geotextile, underdrain pipe and cleanout and connection to catch basin.

7-04 STORM SEWERS

7-04.3 Construction Requirements

7-04.3(1) Cleaning and Testing

Add the following new section:

7-04.3(1)G Television Inspection

Following the air testing, Contracting Agency reserves the right to inspect the pipe using a TV camera and measuring equipment. Contracting Agency will be responsible for this inspection. The costs incurred in making the initial inspection shall be borne by Contracting Agency. Contractor shall provide two weeks

advance notice and accommodate and allow up to five (5) days for this inspection to be made.

Any departure from that normally achieved with good construction practices such as pipeline misalignment (vertical or horizontal) will be deemed a deficiency. Pipe shall be excavated, the joint repaired, and the bedding and backfill re-compacted and replaced, as necessary. The maximum allowable pipe deflection will be five (5.0) percent (in either horizontal or vertical). The pipe's internal diameter will be based on the inside dimensions and reasonable tolerances obtained from the pipe manufacturer. Pipe that is misaligned or exceeds the allowable deflection shall be excavated and the bedding and backfill re-compacted and replaced as necessary. Contractor shall bear the cost of correcting such deficiencies as well as the costs of any TV inspections that are required to verify the deficiency has been corrected.

7-04.5 Payment

Revise the twelfth paragraph to read as follows:

The unit Contract price per linear foot for storm sewer pipe of the kind and size specified shall be full pay for all Work to complete the installation, including but not limited to trench excavation, laying and jointing pipe and fittings, approved couplings and adaptors, import and placement of backfill within and above the pipe zone, compaction, adjustment of inverts to manholes, and cleanup as shown in the Plans.

Supplement this section with the following:

"Corrugated Polyethylene Storm Sewer Pipe __ In. Diam.", per linear foot.

The unit contract price per linear foot for "Corrugated Polyethylene Storm Sewer Pipe __ In. Diam." shall be full pay for all labor, tools, materials, and equipment necessary to complete the installation of the storm sewer including, but not limited to, trench excavation and haul, laying and jointing pipe and fittings, approved couplings and adaptors, import pipe bedding and gravel backfill for pipe zone bedding for trench backfill, compaction, and cleanup as shown in the Plans.

7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS

7-05.1 Description

Supplement this section with the following:

This Work also consists of:

- Furnishing and installing bolt down and locking type lids on catch basins, manholes, and inlets, and
- Furnishing and installing beehive frames and grates.

7-05.2 Materials

Supplement this section with the following:

Beehive Grate for Catch Basin shall be as shown on the Plans.

7-05.4 Measurement

Supplement this section with the following:

No measurement will be made for structure excavation, foundation material, native material, backfill, or bedding material and shall be incidental to the structure that is being installed.

Beehive Grate for Catch Basin will be measured per each grate installed.

7-05.5 Payment

Supplement this section with the following:

“Catch Basin Type 1”, per each.

“Beehive Grate for Catch Basin”, per each.

The unit contract price per each for various items specified above shall be full compensation for furnishing all labor, tools, equipment, and materials necessary for its complete installation, including but not limited to, all structure excavation, dewatering (if required), foundation and crushed surfacing backfill material, compaction, connection to new pipes, connection to existing pipes, water tight couplings, adjustment risers, disposal of excess backfill material, frame, and grate regardless of type, grout and cleaning, and testing.

7-08 GENERAL PIPE INSTALLATION REQUIREMENTS

7-08.3 Construction Requirements

7-08.3(1) A Trenches

Revise the sixth paragraph to read as follows:

When, after excavating to the foundation level, the material remaining in the trench bottom is determined to be unsuitable by the Engineer, the excavation

shall be continued to such additional depth and width as required by the Engineer. Unsuitable foundation materials shall be disposed of at an approved site. The trench foundation shall be backfilled to the bottom of the pipe zone with Special Borrow including Haul and compacted to form a uniformly dense, unyielding foundation.

7-08.4 Measurement

Delete the third paragraph and replace it with the following:

Structure Excavation Class B and Structure Excavation Class B Including Haul will not be measured as specified in Section 2-09.4 of these Special Provisions.

Revise the last paragraph to read:

Shoring or extra excavation class B will be measured as specified in Section 2-09.4 of these Special Provisions.

7-08.5 Payment

Delete the fifth and sixth paragraph.

7-12 VALVES FOR WATER MAINS

7-12.1 Description

Supplement this section with the following:

This work shall include the adjustment of water valve cases and covers to the finished grades.

7.12.3 Construction Requirements

Supplement this section with the following:

The work shall include providing and installing or removing valve box extensions that may be required to adjust the cover to the finished grade.

7-12.4 Measurement

Revise fourth paragraph to read:

Adjust Valve Box will be measured per each adjusted box.

7-12.5 Payment

Supplement this section with the following:

"Adjust Valve Box", per each.

The unit Contract price per each for "Adjust Valve Box" shall be full pay for work necessary to complete the box adjustment and shall include the provision and installation of any extensions required and the restoration of adjacent areas in a manner acceptable to the Engineer.

7-15 SERVICE CONNECTIONS

7-15.1 Description

Supplement this section with the following:

This work shall include the adjustment of water meter boxes and covers to the finished grades.

7.15.3 Construction Requirements

Supplement this section with the following:

The work shall include providing and installing or removing water meter boxes and covers that may be required to adjust the meter box to the finished grade.

7-15.4 Measurement

Supplement this section with the following:

Adjust Water Meter will be measured per each adjusted meter box.

7-15.5 Payment

Supplement this section with the following:

"Adjust Water Meter", per each.

The unit Contract price per each for "Adjust Water Meter" shall be full pay for work necessary to complete the meter box adjustment and shall include the restoration of adjacent areas in a manner acceptable to the Engineer.

END OF DIVISION 7

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DIVISION 8 MISCELLANEOUS CONSTRUCTION

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

8-01.1 Description

Supplement this section with the following:

Kitsap County has applied for a Washington State Department of Ecology NPDES Construction Stormwater General Permit for this project. The County anticipates the permit to be issued prior to the start of construction. The Contractor shall assume and transfer the permit into their name and include in the bid full compliance and administration with the requirements of the General Permit for this Project, including the submittal of the Notice of Termination upon completion of construction.

This work shall include the preparation and implementation of a Temporary Erosion and Sedimentation Control (TESC) Plan by the Contractor for this contract.

8-01.3 Construction Requirements

8-01.3(1) General

8-01.3(1)A Submittals

Delete the first sentence and replace it with the following:

The Contractor shall prepare a temporary erosion and sedimentation control (TESC) Plan for the contract and shall submit this TESC Plan to the Engineer 5 days prior to the preconstruction conference.

A TESC Plan consists of a narrative section and plan sheets that meets Ecology's Stormwater Pollution Prevention Plan (SWPPP) requirement in the CSWGP. When the Contracting Agency has developed a TESC Plan for a Contract the narrative is included in the appendix to the Special Provisions and the TESC plan sheets are included in the Contract Plans. The Contracting Agency TESC plan will not include off-site areas used to directly support construction activity.

A Stormwater Pollution Prevention Plan (SWPPP) shall be prepared by the Contractor and submitted for approval by the Engineer. The plan shall consist of the Contractor's complete strategy to meet the requirements of the CSWGP. The SWPPP shall include and modify as necessary the TESC Plan drawings if provided as part of the Contact Plans. The Contractor shall prepare, review and

modify the SWPPP as necessary to be consistent with the actual work schedule, sequencing, and construction methods that will be used on the project.

The SWPPP shall document all the erosion and sediment control Best Management Practices (BMPs) proposed, whether permanent or temporary. The plan shall document installation procedures, materials, scheduling, and maintenance procedures for each erosion and sediment control BMP. The Contractor shall submit the SWPPP for the Engineer's approval before any work begins. The Contractor shall allow at least five working days for the Engineer's review of the initial SWPPP or any revisions to the modified SWPPP. Failure to approve all or part of any such plan shall not make the Contracting Agency liable to the Contractor for any work delays. The Contractor may not begin work without an approved Contractor's SWPPP.

Contractor TESC Plans shall include all high visibility fence delineation shown on the Contracting Agency Contract Plans. All TESC Plans shall meet the requirements of the current edition of the WSDOT Temporary Erosion and Sediment Control Manual M 3109 and be adapted as needed throughout construction based on site inspections and discharge samples to maintain compliance with the CSWGP. The Contractor shall develop a schedule for implementation of the TESC work and incorporate it into the Contractor's progress schedule.

The Contractor shall submit their TESC Plan and implementation schedule as Type 2 Working Drawings. At the request of the Engineer, updated TESC Plans shall be submitted as Type 1 Working Drawings.

8-01.4 Measurement

Supplement this section with the following:

No specific unit of measurement shall apply to the lump sum bid item for NPDES Construction Stormwater General Permit and Erosion/Water Pollution Control.

8-01.5 Payment

Supplement this section with the following:

"NPDES Construction Stormwater General Permit", per lump sum.

The lump sum contract price for "NPDES Construction Stormwater General Permit" shall be full pay for all costs, including but not limited to sampling, monitoring, reporting, coordinating, inspecting and any other expenses, materials and labor necessary to fully comply with the requirements of the permit and terminate it upon completion of the project.

8-01.5(1) Lump Sum Bid for Project (No Unit Items)

The second and third paragraphs in Section 8-01.5(1) are deleted and replaced with the following:

"Erosion / Water Pollution Control", per lump sum.

The lump sum Contract price for Erosion/Water Pollution Control shall be full pay for all labor, tools, equipment, and materials for the installation, maintenance, and removal of erosion and water pollution control measures including the preparation and implementation of the TESC Plan.

8-02 ROADSIDE RESTORATION

8-02.3 Construction Requirements

8-02.3(4) Topsoil

8-02.3(4)B Topsoil Type B

Section 8-02.3(4)B is supplemented with the following:

Topsoil Type B shall be placed to a non-compacted depth of 6-inches. The topsoil shall be thoroughly blended prior to placement.

8-02.3(5) Roadside Seeding, Lawn and Planting Area Preparation

8-02.3(5)A Seeding Area Preparation

Section 8-02.3(5)A is supplemented with the following:

For areas shown in the plans to receive soil amendment after initial area weed control, grading, and soil placement are completed, all soil shall be covered with compost.

Prior to the placement and incorporation of compost, the application and incorporation methods shall be approved by the Engineer.

Compost shall not be placed when a condition exists, such as frozen or water saturated soil that may be detrimental to successful application, incorporation, or soil structure.

The Contractor shall notify the Engineer a minimum of five working days prior to the start of compost work.

Compost shall be uniformly and evenly placed in all designated areas at a depth of 3 inches.

After placement of the compost, the Contractor shall incorporate the layer uniformly into the existing soil to a depth of 10 inches.

8-02.3(9) Seeding, Fertilizing, and Mulching

8-02.3(9)B Seeding and Fertilizing

Supplement this section with the following:

Seed: Grass seed, of the following composition, proportion, and quality shall be applied at the rate of 120 pounds per acre on all areas requiring roadside seeding within the project:

Kind and Variety of Seed in Mixture	% By Weight	Minimum % Pure Seed	Minimum % Germination
Bluejoint Grass	4	4	90
Tufted Hair Grass	4	4	85
Blue Wildrye	18	18	90
Red Fescue	18	18	90
Meadow Barley	24	23	90
Quickguard Sterile Triticale	32	31	90
Weed Seed		0.5 % maximum	
Inert and Other Crop		1.5 % maximum	
TOTAL		100.00 %	

8-02.3(11) Mulch

Section 8-02.3(11) is supplemented with the following:

(April 2, 2012 WSDOT GSP, Option 1)
Bark mulch or wood chip mulch shall be placed to a uniform non-compacted depth of *** 3-inches *** over all planting areas.

Bark or wood chip mulch shall not be placed in areas of standing or flowing water.

Add the following new section:

8-02.3(17) Site Amenity Items

8-02.3(17)A Log Wheel Stop

Contractor shall utilize stockpiled material as specified in Section 2-01 “Tree Removal and Stockpile”, cut at the size ranges designated and placed in the locations as shown in the Plans. Log Wheel Stops shall be installed per the construction details. Contractor shall ensure Log Wheel Stops at final installation are level and firmly in place with no horizontal or lateral movement.

8-02.3(17)C Habitat Log with Root Wad

Contractor shall utilize stockpiled material as specified in Section 2-01 “Tree Removal and Stockpile” cut at the size ranges designated and placed in the locations as shown in the Plans. Prior to placement, Contractor shall pressure wash root wads to remove all soil from the root wad so no soil remains. Contractor shall coordinate final placement and orientation in field with Engineer. Contractor shall ensure final installation of feature is firmly in place with no horizontal or lateral movement.

8-02.3(17)D Root Wad

Contractor shall utilize stockpiled material as specified in Section 2-01 “Tree Removal and Stockpile” cut at the size ranges designated and placed in the locations as shown in the Plans. Prior to placement, Contractor shall pressure wash root wads to remove all soil from the root wad so no soil remains. Contractor shall coordinate final placement and orientation in field with Engineer. Contractor shall ensure final installation of feature is firmly in place with no horizontal or lateral movement.

8-02.3(17)E Raptor Perch

Contractor shall utilize stockpiled material as specified in Section 2-01 “Tree Removal and Stockpile” cut at the size ranges designated and placed in the locations as shown in the Plans. A prefabricated wood bat box shall be installed at the locations shown in the Plans. Bat box shall be attached to the tree trunk per manufacturer’s recommendations. Contractor shall coordinate final placement and orientation in field with Engineer. Backfill shall consist of existing site soil compacted 90%. Contractor shall recompact soil as necessary to ensure final installation of feature is plumb firmly in place with no horizontal or lateral movement.

8-02.3(17)F Rock Pile with Log Perch

Contractor shall stockpile and place existing rock meeting size and appearance requirements as shown in the plans to establish Rock Piles in the locations shown. If existing rock is not available onsite, the Contractor shall provide sources of rock. Contractor shall provide a submittal of the rock for Engineer evaluation during the mass grading period. If existing rock is not available on site, the import of rock from an offsite source will be paid via Minor Change per Section 1-04.4(1). Log perch shall be installed per the plans from site timber stockpiled during construction.

8-02.4 Measurement

Section 8-02.4 is supplemented with the following:

Log Wheel Stop will be measured per each.

Habitat Log with Root Wad will be measured per each.

Root Wad will be measured per each.

Raptor Perch will be measured per each.

Rock Pile with Log Perch will be measured per each.

8-02.5 Payment

Section 8-02.5 is supplemented with the following:

The unit Contract price per each for “Log Wheel Stop” shall be full payment for all costs to complete the Work as specified.

The unit Contract price per each for “Habitat Log with Root Wad” shall be full payment for all costs to complete the Work as specified.

The unit Contract price per each for “Root Wad” shall be full payment for all costs to complete the Work as specified.

The unit Contract price per each for “Raptor Perch” shall be full payment for all costs to complete the Work as specified.

The unit Contract price per each for “Rock Pile with Log Perch” shall be full payment for all costs to complete the Work as specified.

8-04 CURBS, GUTTERS, AND SPILLWAYS

8-04.1 Description

Supplement this section with the following:

This work shall consist of installing concrete wheel stops as shown in the Plans.

8-04.2 Materials

Wheel stops shall be manufactured, concrete, and shall be approximately 6 inches high and a minimum of 6 feet long. Contractor shall provide a submittal of proposed wheel stop for Engineer review prior to placement of wheel stop.

8-04.4 Measurement

Supplement this section with the following:

Wheel stops will be measured per each.

8-04.5 Payment

Supplement this section with the following:

"Wheel Stop", per each.

The unit contract price for "Wheel Stop" shall be full compensation for all labor, tools, equipment, and materials necessary or incidental to construction and finished placement of the wheel stop in accordance with the Plans.

8-12 CHAIN LINK FENCE AND WIRE FENCE

8-12.1 Description

Supplement this section with the following:

This work shall consist of furnishing and installing double and single access gates in conformance with the details shown in the Plans.

This work shall consist of furnishing and installing steel bollards in accordance with the Plans, Standard Plans, and these Specifications, at the locations shown in the Plans or as staked by the Engineer.

8-12.2 Materials

Supplement this section with the following:

Access Gate

Single and double access gate tubing and posts shall be in accordance with the Plans. All exposed gate parts shall be hot dip galvanized with a powder coated finish in color forest green.

Bollard Posts and Hardware

Type 2 bollard posts shall be in accordance with the Standard Plans and ASTM A 53, NPS 3 (3" Nom.) schedule 80 steel pipe. Post sleeves shall be ASTM A 53, 12 NPS 4 (4"Nom.) schedule 40 steel pipe.

Steel plate shall be in accordance with ASTM A 36.

All steel parts shall be hot-dip galvanized after fabrication in accordance with AASHTO 20 M 111.

Bollard reflective tape shall be in accordance with Section 9-28.12.

Concrete

Footings shall be constructed using concrete Class 3000.8-12.3

8-12.3 Construction Requirements

Supplement this section with the following:

Access Gate Submittals
The Contractor shall submit separate shop drawings of each access gate. Fabrication shop drawings replicating complete design details when shown in the Plans shall be Type 2 Working Drawings. Submittals completing the design based on the schematic geometric requirements shown in the Plans, or proposing a Contractor designed alternative system shall be Type 2E Working Drawings with supporting design calculations.

Bollards shall be constructed in accordance with the Standard Plans.

Bollards shall not vary more than ½ inch in 30 inches from a vertical plane.

Bollard posts and the exposed parts of the base assembly shall be painted in accordance with Section 6-07.3(11) for galvanized surfaces. The top coat shall match SAE AMS 35 Standard 595, Color No. 33538 Traffic Signal Yellow.

8-12.4 Measurement

Supplement this section with the following:

Double Access Gate will be measured per each.

Single Access Gate will be measured per each.

Measurement for bollards will be by the unit for each type of bollard furnished and installed.

8-12.5 Payment

Supplement this section with the following:

"___ Access Gate", per each.

The unit contract price shown on the proposal for "___ Access Gate" shall be full pay for all labor, tools, materials, and equipment necessary to complete the work including concrete footings and powder coating.

"Bollard Type ___", per each.

8-14 CEMENT CONCRETE SIDEWALKS

8-14.1 Description

Supplement this section with the following:

This work shall consist of installing a cement concrete plaza and ADA parking area in conformance with the details shown in the Plans.

8-14.3 Construction Requirements

Revise the first paragraph in this section with the following:

The concrete in the plaza, parking and curb ramps shall be air entrained concrete Class 4000 in accordance with the requirements of Section 6-02.

Supplement this section with the following:

The plaza and parking area cross slope shall be 2% or less. Any cement concrete installed at a cross slope greater than 2% without prior approval of Engineer shall be removed and replaced at the Contractor's expense.

8-14.3(3) Placing and Finishing Concrete

Supplement this section with the following:

Cement concrete plaza, parking, and curb ramp shall receive a light broom finish. The faces of all joints shall be constructed perpendicular to the surface of the cement concrete pavement.

8-14.3(4) Curing

Supplement this section with the following:

8-14.3(4)A Curing Compound

Liquid membrane – forming concrete curing compounds shall not be used on concrete sidewalks nor other concrete surfaces designed for non-traffic use unless approved by the Engineer.

Add the following new section:

8-14.3(6) Cold Weather Work

The following additional requirements for placing concrete shall be in effect from November 1 to April 1:

- Engineer shall be notified at least 24 hours prior to placement of concrete.
- All concrete placement shall be completed no later than 2:00 p.m. each day.
- Where forms have been placed and the subgrade has been subjected to frost, no concrete shall be placed until the ground is completely thawed. At that time, the forms shall be adjusted and subgrade repaired as determined by the Engineer.

8-14.4 Measurement

Supplement this section with the following:

"Cement Conc. Plaza and Parking" will be measured per square yard.

Reinforcing steel will not be measured separately for payment.

"Cement Conc. Curb Ramp Type Thickened Edge" will be measured per each for the complete curb ramp type installed and includes the installation of the detectable warning surface.

Wire mesh will not be measured separately for payment.

Detectable warning surfaces will not be measured separately for payment.

8-14.5 Payment

Supplement this section with the following:

"Cement Conc. Plaza and Parking", per square yard.

The unit Contract price per square yard for "Cement Conc. Plaza and Parking" shall be full compensation for the cost of all labor, tools, equipment, and materials necessary or incidental to furnish and place reinforcing steel, wire mesh, and cement concrete per the Plans and Specifications.

"Cement Conc. Curb Ramp Type Thickened Edge", per each.

The unit Contract price per each for "Cement Conc. Curb Ramp Type Thickened Edge" shall be full pay for installing the curb ramp as specified, including the thickened edge, reinforcing steel, wire mesh, and detectable warning surface. Payment for each item will only be paid once per ramp.

8-15 RIPRAP

8-15.1 Description

Supplement this section with the following:

This Work consists of furnishing and placing quarry spalls and streambed cobbles of the type specified at the locations and in conformity with the lines and dimensions shown in the Contract Plans.

The Work also consists of furnishing and placing check dams at the locations and in conformity with the lines and dimensions shown in the Contract Plans.

8-15.2 Materials

Supplement this section with the following:

Streambed Cobbles	9-03.11(4)

8-15.4 Measurement

Supplement this section with the following:

Quarry spalls will be measured by the cubic yard of spalls actually placed.

Streambed cobbles will be measured by the cubic yard of cobbles actually placed.

Check dams will be measured per each.

8-15.5 Payment

Supplement this section with the following:

"Quarry Spalls", per cubic yard.

The unit contract price per cubic yard for "Quarry Spalls" shall be full pay for all costs in furnishing, placing, and compacting spalls, and for all incidentals required to complete the Work as shown on the Plans.

"Streambed Cobbles _____-In.", per cubic yard.

The unit contract price per cubic yard for "Streambed Cobbles _____-In." shall be full pay for all costs in furnishing, placing, and compacting spalls, and for all incidentals required to complete the Work as shown on the Plans.

"Check Dam", per each.

The unit contract price per each for "Check Dam" shall be full pay for all costs to complete the Work as specified on the Plans, including furnishing and hand-placing streambed cobbles, and for all incidentals required to complete the Work as shown on the Plans.

8-21 PERMANENT SIGNING

8-21.3 Construction Requirements

Supplement this section with the following:

Existing signs, as shown in the Plans where in conflict with proposed improvements, which are to remain following construction shall be temporarily removed and reinstalled in their original locations or permanently removed and replaced with new signs as indicated in the Plans. All existing signs noted for reinstallation shall be protected during construction and reinstalled in their original condition.

Signs noted for reinstallation that become damaged as a result of construction for this project shall be replaced at the Contractor's expense. Any damage to signs not noted for removal as a result of construction activities shall also be replaced at the Contractor's expense.

8-21.4 Measurement

Supplement this section with the following:

No unit of measure will apply to the lump sum Bid Item Permanent Signing.

8-21.5 Payment

Supplement this section with the following:

"Permanent Signing", lump sum.

The lump sum price in the Proposal shall be full compensation for all labor, tools, equipment, and materials necessary to temporarily reinstall signs to accommodate construction activities; furnishing and installing all new signs posts and foundations as required per the Plans.

8-22 PAVEMENT MARKING

8-22.2 Materials

Supplement this section with the following:

Plastic Warning Bands shall be installed with 4” wide, 125 Mil white color preformed thermoplastic with a 60 degree taper per 9-34.3(2).

8-22.4 Measurement

Supplement this section with the following:

“Plastic Warning Band” will be based on the total length of each profiled plastic line installed.

8-22.5 Payment

Supplement this section with the following:

“Plastic Warning Band,” per linear foot.

8-26 VACANT

Section 8-26, including title, is deleted and replaced with the following:

8-26 OWNER PROVIDED PRE-ENGINEERED RESTROOM INCLUDING SITE PREP

8-26.1 Description

This work shall consist of constructing the Romtec pre-engineered restroom building and foundation as shown in the Attachments to these Special Provisions.

8-26.2 Materials

All materials necessary for the construction of the Romtec pre-engineered restroom will be provided by the Engineer with the exception of the cast-in-place concrete foundation. Contractor shall refer to the Kitsap County Vault Restroom Plans in the attachments to these specifications for the restroom plans and materials included in the restroom package.

8-26.3 Construction Requirements

The Contractor is responsible for the pickup and delivery of the restroom from the County storage location to the project site. The Contractor shall coordinate with the Engineer to arrange for pickup/delivery of the restroom materials to the

project site. A minimum 5 business days' notice shall be given to the Engineer prior to pickup/delivery of the restroom materials to the project site. Unloading of materials from the delivery vehicle shall be performed by the Contractor. Construction shall be performed according to these Plans and Specifications and the Romtec Plans and Specifications in the Attachments.

8-26.4 Measurement

No specific unit of measurement shall apply to the lump sum bid item Owner Provided Pre-Engineered Restroom Incl. Site Prep.

8-26.5 Payment

Payment will be made in accordance with Section 1-04.1 for the following bid items that are included on the Proposal:

"Owner Provided Pre-Engineered Restroom Incl. Site Prep", per lump sum.

The lump sum contract price shown in the proposal for "Owner Provided Pre-Engineered Restroom Incl. Site Prep" shall be full pay for all labor, tools, materials, and equipment necessary to construct the restroom including delivery coordination and material storage, excavation, shoring, dewatering, haul, backfill using native material, compaction, preventing the vaults from floating, furnishing materials and column footings, building erection, and finish work, complete to provide a fully functioning restroom.

8-27 VACANT

(*****)

Delete this section, including title, and replace with the following:

8-27 FIELD OFFICE BUILDING

8-27.1 Description

This work shall consist of furnishing and setting-up a temporary office building for the sole use of the Contracting Agency.

8-27.3 Construction Requirements

The Contractor shall provide a field office on or adjacent to the Project Site for the use of the Engineer's staff within five (5) Calendar Days from the Notice to Proceed Date. The field office, its location, and an alternate date if necessary, shall be subject to the approval of the Engineer and shall be established at the pre-construction meeting.

The building shall be weather-tight, installed plumb and level, and provided with the following as a minimum:

120 square feet of floor space
Above ground floor
Heat and Airconditioning
Electric lights
Adequate windows
Plan table: 3 feet 6 inches deep by 6 feet wide by 3 feet 3 inches high
Drafting stool
Four chairs
Cylinder door lock and six keys
Sanitary facilities (unless existing facilities are available)
Internet connection with Wifi router

The building shall remain the property of the Contractor and removed from the site upon physical completion of the contract, or when designated by the Engineer.

8-27.5 Payment

Payment will be made for the following bid item when included in the proposal:

"Field Office Building", lump sum.

The lump sum contract price for "Field Office Building" shall be full pay for furnishing, installing, maintaining, and removing the facility, including all costs associated with all required utility hook-ups and disconnects, and monthly utility charges for all utilities except telephone.

The monthly telephone costs will be paid by the Contracting Agency.

8-28 VACANT

Delete this section, including title, and replace with the following:

8-28 BIORETENTION CELL

8-28.1 Description

This work shall include excavating, furnishing, and constructing the bioretention cells in accordance with the Plans, the Standard Plans and Specifications, and these Special Provisions, in conformity with the lines and grades staked.

1. Supply, placement, construction of bioretention cells including:
    a. Gravel backfill for drains,
    b. Bioretention soil media, including grading, scarifying, mixing, tilling, and compaction necessary to prepare the bioretention cell,

2. Coarse compost. Protection of the bioretention cells from compaction, siltation and sediments from runoff during construction and until the project site is stabilized.

8-28.2 Materials

Coarse Compost	9-14.5(8)
Bioretention Soil Media	9-14.9 Special Provision
Gravel Backfill for Drains	9-03.12(4)

8-28.3 Construction Requirements

8-28.3(1) Responsibility during Construction

Bioretention Excavation Requirements

Channel excavation for bioretention shall be classified, measured, and paid for under Roadway Excavation Incl. Haul in accordance with Section 2-03 of the Standard Specifications and these Special Provisions.

Excavation of the bioretention to final configuration shall not begin until exposed areas contributing stormwater to the bioretention have been stabilized or flow temporarily diverted away from bioretention.

The bioretention soil media shall be protected from all additional moisture at the supplier, during transport and at the work site until it is placed in the bioretention area. Soil placement will not be allowed when the ground is saturated or frozen, or when the weather is too wet, as determined by the Engineer.

Placement of the bioretention soil media shall occur as soon as practical following the excavation of the bioretention. No heavy equipment shall be used or stored within the limits of the bioretention. The native soils within the bioretention footprint shall not be compacted.

Any debris or sediment which has entered the bioretention shall be removed prior to placing the bioretention soil media.

Scarify the bottom and sides subgrade soil (to the water line) a minimum of 3-inches deep where slopes allow.

The soil mix shall be placed in loose 6-inch lifts and lightly compacted to a relative compaction of 85 percent of modified maximum dry density (ASTM D 1557) utilizing hand rollers, boot packing (simply walking over all areas of each lift) or other methods approved by the Engineer.

8-28.3(2) Bioretention Soil Media

8-28.3(2)A Submittals

At least 10 Working Days prior to placement of the bioretention soil media, the Contractor shall submit to the Engineer the following in accordance with Section 1-05.3 of these Special Provisions:

1. Grain size analysis results of the Mineral Aggregate for the Bioretention Soil Media (Special Provision Section 9-14.9) performed by an independent laboratory in accordance with ASTM D 422, Standard Test Method for Particle Size Analysis of Soils.

2. All Quality analysis results for the fine compost for the bioretention soil media tested in accordance with the U.S. Composting Council "Test Method for the Examination of Compost and Composting" (TMECC), as established in the Composting Council's "Seal of Testing Assurance" (STA) program and as specified in Section 9-14.5(8); of the Standard Specifications.

   Carbon to nitrogen ratio (TMECC 05.02A "Carbon to Nitrogen Ratio" which uses 04.01 "Organic Carbon" and 04.02D "Total Nitrogen by Oxidation") of less than 25:1. The C:N ratio may be up to 35:1 for plantings composed entirely of Puget Sound Lowland native species and up to 40:1 for coarse compost to be used as a surface mulch.

3. The Contractor shall provide a list of sources by percentage in the final compost product. The compost product must originate a minimum of 65 percent by volume from recycled plant waste comprised of "yard debris," "crop residues," and "bulking agents" as those terms are defined in WAC 173-350-100. A maximum of 35 percent by volume of "post-consumer food waste" as defined in WAC 173-350-100, but not including biosolids or manure, may be substituted for recycled plant waste.

4. The following information:

   a. The Manufacturer's Certificate(s) of Compliance per Standard Specification Section 1-06.3 accompanying the test results from the Supplier of the Bioretention Media, and/or (if different) the Suppliers of the mineral aggregate and compost components, including their name(s) and address(es);

   b. A description of the equipment and methods to mix the mineral aggregate and compost to produce the bioretention soil media;

   c. The ratio of mineral aggregate to fine compost mix used in the bioretention soil media.

d. Methods and equipment to be used to achieve compaction of the bioretention soil media.

5. The following information from the compost supplier:

   a. A copy of the solid waste handling permit issued to the manufacturer by the Jurisdictional Health Department in accordance with WAC 173-350 (Minimum Functional Standards for Solid Waste Handling).

   b. The Contractor shall verify in writing and provide lab analyses that the material complies with the processes, testing, and standards specified in WAC 173-350 and these Specifications. An independent Seal of Testing Assurance (STA) Program certified laboratory shall perform the analyses

   c. A copy of the manufacturer's Seal of Testing Assurance STA certification as issued by the U.S. Composting Council.

8-28.3(2)B Grading and Placement

Grading and placement for the bioretention shall be performed as follows:

1. The Contractor shall construct the bioretention during the dry months, if possible, to make sure that the bioretention is in place and stabilized prior to the wet season. If the bioretention is constructed during wet weather, the Contractor shall bypass all stormwater discharge from entering the bioretention until the bioretention is completed, planted, and stabilized, as determined by the Engineer. The Contractor shall bypass the stormwater during construction of the Bioretention at their own expense. The Contractor shall not install the bioretention soil media over standing water or saturated soils.

2. No heavy equipment shall operate within the bioretention or earth berm perimeter once bioretention excavation has begun, including during excavation, backfilling, tree pit preparation, mulching, or planting. At the locations shown on the Drawings, bioretention shall be excavated to accommodate the placing of bioretention soil media and, if applicable, gravel reservoir, and underdrain as shown on the Drawings. The Contractor shall provide the Engineer the opportunity to inspect the excavation 24-hours prior to placement of any material or subgrade soil scarification.

3. The Contractor shall scarify the surface of the prepared subgrade to a minimum depth of 3 inches prior to placement of Bioretention Media or gravel reservoir, if applicable.

4. After excavation to subgrade, if any sediment laden runoff has entered the Bioretention, the sediment deposition shall be removed & hauled by over-excavating the bioretention in minimum 3-inch layers, until all sediments are removed as approved by the Engineer. The excavated material shall be replaced with bioretention soil media or gravel backfill for drains as directed by the Engineer, at the Contractor's expense.

5. If applicable, after placement of gravel backfill for drains reservoir, if any sediment laden runoff has entered the bioretention, the sediment deposition shall be removed by excavating gravel reservoir in the bioretention in minimum 3-inch layers (until approved by the Engineer) and replacing it with clean gravel backfill for drains per the plans, at the Contractor's expense.

6. The Contractor shall place bioretention soil media loosely upon a prepared subgrade, or upon gravel reservoir with or without an underdrain per plans. The bioretention soil media is to be installed as specified in accordance with these Specifications and in conformity with the lines, grades, depth, and typical cross-section shown in the Drawings or as established by the Engineer.

7. The Contractor shall compact the bioretention soil media to a maximum relative compaction of 85 percent of modified maximum dry density (ASTM D 1557) using methods that will not over compact the bioretention soil media or native soils underneath.

8. Prior to seeding or planting, the Contractor shall notify the Engineer to inspect the bioretention. If any sediment laden runoff has entered the bioretention, the Contractor shall remove the top silt laden layer of bioretention soil media and replace with new bioretention soil media per design, at the Contractor's expense. If silt and sediments have also entered the rock gallery under the bioretention soil media, the Contractor shall remove the silt-laden rock material and replace with new or re-screened rock material at the Contractor's expense.

9. Contractor shall be responsible protecting the bioretention until the vegetation and site are fully stabilized. Contractor shall be responsible for protecting the stabilized bioretention from sedimentation until the remainder of the site is stabilized and cleaned up. The stormwater conveyance shall not be allowed to discharge stormwater to the bioretention until it passes inspection by the Engineer.

No Materials or substances shall be mixed or dumped within the bioretention landscape planting area that may be harmful to plant growth or prove a hindrance to the planting or maintenance operations.

The finished elevation of the top of the bioretention shall be a minimum of two (2) inch below walks, curbs, pavements and driveways, unless otherwise specified or detailed on the plans. Upon completion of finish grading work, all excess Material shall be removed from the project site and disposed of accordingly.

8-28.3(2)C Placement

The Contractor shall not place the bioretention soil media until the project site draining to the bioretention area has been stabilized, native soils scarified per plans, the passes visual inspection by the Engineer, and authorization is given by the Engineer to place the bioretention soil media.

Bioretention soil media shall be protected from all sources of additional moisture at the Supplier's site, in covered conveyance, and at the project site until incorporated into the Work.

Soil placement and consolidation shall not occur when the bioretention soil media is excessively wet as determined by the Engineer. There should be no visible free water in the material.

Mixing or placing bioretention soil media shall not be allowed if the native soils receiving bioretention soil media is frozen, excessively wet or saturated.

The Contractor shall not place bioretention soil media until the Media delivery ticket(s) have been reviewed and accepted by the Engineer. At first delivery of Bioretention Media, and for deliveries thereafter as determined by the Engineer, the Contractor will make available to the Engineer:

1. The Manufacturer's Certificate(s) of Compliance and test results described in 8- 02.3(17) Submittals for comparison with the delivery tickets to verify the Suppliers.

2. Access to the delivered bioretention soil media, before placement, to make a grab sample to verify that it is homogeneously mixed and matches the submitted sample.

The Engineer may stop the bioretention soil media delivery and placement if the Engineer determines that the delivered bioretention soil media mix does not appear to match the submittals or comes from a different source, and require sampling and testing of the delivered soil, before authorizing the bioretention soil media placement.

Place the bioretention soil media specified for landscape areas loosely. Do not allow uncontrolled runoff from adjacent impervious areas to enter bioretention. Repeat until final depth is achieved.

After placement of bioretention soil media and before planting, the Contractor shall notify the Engineer at least five (5) Working days in advance for compaction testing.

Rake soil to final grade, bioretention shall be consolidated or compacted as specified above, and approved by the Engineer prior to planting.

8-28.4 Measurement

Channel excavation for bioretention including haul shall be measured and paid under “Roadway Excavation Including Haul” in accordance with Section 2-03 of these Special Provisions.

No specific unit of measurement shall apply to the Bioretention Cell lump sum bid item.

8-28.5 Payment

Excavation for bioretention including haul shall be measured and paid under “Roadway Excavation Including Haul” in accordance with Section 2-03 of these Special Provisions.

“Bioretention Cell”, per lump sum.

The lump sum contract price for “Bioretention Cell” shall be full compensation for furnishing and installing all labor, tools, equipment, and materials necessary for constructing bioretention cells as shown in the Plans and in accordance with these Special Provisions including but not limited to: gravel backfill for drains, testing, hauling, preparing, mixing, placing, compacting, and grading of bioretention soil media, coarse compost, and for all incidentals required to complete the Work as shown on the Plans.

Clearing and grubbing is paid under Section 2-01 of these Special Provisions.

Plantings are paid under Section 8-02 of the Standard Specifications.

All costs involved in the loading, hauling, and the disposal of all surplus material and construction debris shall be included in the bid prices of the items shown on the proposal and no further payment will be made.

8-32 VACANT

Delete this section, including title, and replace with the following:

8-32 BIKE RACK

8-32.1 Description

This work shall consist of furnishing and installing a Dumor, Inc. 291-00HG/S-2 or approved equal bike rack in accordance with the Plans, Standard Plans, and these Specifications, at the locations shown in the Plans or as staked by the Engineer.

8-32.3 Construction Requirements

8-32.4 Measurement

Measurement for bike rack will be by the unit for each type of bike rack furnished and installed.

8-32.5 Payment

"Bike Rack", per each.

END OF DIVISION 8

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DIVISION 9 MATERIALS

9-03 AGGREGATES

9-03.8 Aggregates for Hot Mix Asphalt

9-03.8(2) HMA Test Requirements

Supplement this section with the following:

ESAL's
The number of ESAL's for the design and acceptance of the HMA shall be in the range of more than 300,000 to less than 3 million.

9-03.8(7) HMA Tolerances and Adjustments

Supplement this section with the following:

Delete item 1 and replace with:

1. Job Mix Formula Tolerances. After the JMF is determined as required in 5-04.3(7)A, the constituents of the mixture at the time of acceptance shall conform to the following tolerances:

	Nonstatistical Evaluation	Commercial Evaluation
	Aggregate, percent passing	
1", ¾", ½" and ⅜" sieves	±6.0%	±8.0%
U.S. No. 4 sieve	±6.0%	±8.0%
U.S. No. 8 sieve	±6.0%	±8.0%
U.S. No. 200 sieve	±2.0%	±3.0%
Asphalt Binder	±0.5%	±0.7%
Air Voids	2.5% Minimum and 5.5% Maximum	

9-03.9 Aggregates for Ballast and Crushed Surfacing

Add the following new subsection:

9-03.9(5) Ledge Rock

Ledge rock must be manufactured from ledge rock or talus and must comply with the following grading, sand equivalent and L.A. Abrasion specifications:

Sieve Size	Percent Passing
3/8 in.	100
No. 4	80-95
No. 8	50-65
No. 40	8-24
No. 200	0-12
Sand Equivalent	40 Min.
L.A. Abrasion %	35% Max

Ledge rock must be a totally crushed material with no naturally occurring faces. Ledge rock material retained on a No. 4 sieve must contain no more than 0.15 percent by weight of wood waste.

9-03.21 Recycled Materials

Supplement this section with the following:

The Contracting Agency encourages bidders to use recycled materials to the maximum extent feasible.

9-14 EROSION CONTROL AND ROADSIDE PLANTING

Revise the following section as follows:

9-14.5(3) Bark and Wood Chip Mulch

Bark or wood chip mulch shall be derived from existing trees removed within project area. Contractor shall refer to Plans to determine placement and quantity. Add the following new section:

9-14.9 Bioretention Soil Media

The Contractor shall use the standard bioretention soil media mix shown below.

1. Fine compost to mineral aggregate ratio:

   60 -65 percent mineral aggregate, 35-40 percent fine compost by volume.

2. Bioretention Soil Media mineral aggregate shall meet the gradation, coefficient of uniformity, and coefficient of curve below:

Bioretention Soil Media Mineral Aggregate Gradation	
Sieve Size	Percent Passing
3/8”	100
#4	95-100
#10	75-90
#40	25-40
#100	4 – 10
#200	2 - 5

Coefficient of Uniformity (Cu = D60/D10) ≥ 4

Coefficient of Curve (Cc = (D30)2/D60 x D10) ≥ 1 and ≤3

If the Contractor chooses to submit an alternate bioretention soil media mix, the Contractor shall submit a written request by close of business 5 business days preceding the bid opening date for the Engineer’s approval.

The alternate bioretention soil media mix must meet all the criteria of the current Department of Ecology Stormwater Management Manual for Western Washington and all required testing below:

Criteria for Custom Bioretention Soil Media Mixes To Be An Approved Equal

Variations of the aggregate materials, mix ratio, or WSDOT approved Compost per 9-14.5(8) shall require the Contractor to perform and submit the results of the following additional test(s) of the bioretention soil media mix and compliance with the following criterial using the specified test method:

- Cation Exchange Capacity (CEC) ≥ 5 meq/100 grams of dry soil: USEPA 9081
- pH between 5.5 and 7.0
- 5 – 8 percent organic matter content before and after the saturated hydraulic conductivity test; ASTM D2974 (Standard Test Method for Moisture, Ash, and Organic Matter of Peat and Other Organic Soils)
- Mineral Aggregate 2 – 5 % fines passing the 200 sieve; TMECC 04.11-A
- Measured (Initial) saturated hydraulic conductivity (Ksat) of less than 12 inches per hour; ASTM D 2434 (standard Test Method

for Permeability of Granular Soils (Constant Head) at 85% compaction per ASTM D 1557

- Maximum infiltration rate (saturated) of 12”/hour;

If compost is used in creating the custom mix, it must meet all the specifications listed above for compost except the gradation specification must indicate the minimum percent passing for a range of similar particle sizes.

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(NOVEMBER 4, 2024)

STANDARD PLANS

The Washington State Department of Transportation *Standard Plans* M21-01, published September 2024, is made a part of this Contract with the following revisions:

A-10.30
RISER RING detail (Including SECTION view and RISER RING DIMENSIONS table): The RISER RING detail is deleted from the plan.

INSTALLATION detail, SECTION A: The “1/4”” callout is revised to read “+/- 1/4" (SEE CONTRACT ~ Note: The + 1/4" installation is shown in the Section A view)”

A-40.20
Sheet 1, NOTES 1, 2, 3, and 4 are replaced with the following:

1. Use the ½ inch joint details for bridges with expansion length less than 100 feet and for bridges with L type abutments. Use the 1 inch joint details for other applications.

2. Use detail 5, 6, 7 on steel trusses and timber bridges with concrete bridge deck panels.

3. For details 1, 2, 3, and 4, the item “HMA Joint Seal at Bridge End” shall be used for payment. For details 5 and 6, the item “HMA Joint Seal at Bridge Deck Panel Joint” shall be used for payment. For detail 7, the item “Clean and Seal Bridge Deck Panel Joint” shall be used for payment.

Sheet 2, Detail 8 reference to “6-09.3(6)” is revised to read “6-21.3(7)”.

A-50.40
Sheet 1, Plan View: The callout “BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 21 OR TYPE 24 (SEE STANDARD PLAN C-25.20 OR C-25.30)” is revised to read “BEAM GUARDRAIL TYPE 31 TRANSITION SECTION TYPE 21, 24, OR 25 (SEE STANDARD PLAN C-25.20, C-25.30, OR C-25.32)”

A-60.40
Note 2 reference to “6-09.3(6)” is revised to read “6-21.3(7)”.

B-90.40
Valve Detail – DELETED

C-23.70
Sheet 2, ANCHOR BRACKET ASSEMBLY DETAIL, dimension, “R. 5/16” is revised to read; R. 15/16”
ANCHOR PLATE DETAIL, weld callout (fillet), 1/4" is revised to read; 3/16”

C-60.20
Sheet 1, Plan view, callout – “1/2” (IN) DIAMETER X 6 1/2" (IN) LONG ANCHOR BOLT ~ PER STD. SPEC. SECT. 9-06.5(4) (TYPICAL) (SEE NOTE 7)” is revised to read: “5/8” DIAMETER x 6 1/2" (IN) LONG ANCHOR BOLT ~ PER STD. SPEC. SECT. 9-06.5(4) (TYPICAL) (SEE NOTE 7)”

C-81.15
Sheet 1, General Notes, Add Note 7, to read;”7. The concrete class for the moment slab shall be class 4000 typically and class 4000A when the top of the slab is used as the roadway, or sidewalk, surface. The concrete class for the barrier is defined in Standard Specification Section 6-10.3.”

C-85.11
On Section B, the callout “3” EXPANDED POLYSTYRENE AROUND COLUMN (TYP.)” is revised to read “3” EXPANDED POLYSTYRENE OR POLYETHYLENE FOAM AROUND COLUMN (TYP.)”

D-3.09
Sheet 1, Geosynthetic Wall with 2 FT Traffic Surcharge detail, callout – “BARRIER ON WALL ~ SEE Standard Plan D-3.15 or D-3.16” is revised to read: “BARRIER ON WALL ~ SEE Standard Plan C-81.10 and/or C-81.15”

D-3.10
Sheet 1, Typical Section, callout – “FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.15” is revised to read; ”FOR WALLS WITH SINGLE SLOPE TRAFFIC BARRIER, SEE CONTRACT PLANS”
Sheet 1, Typical Section, callout – “FOR WALLS WITH F-SHAPE TRAFFIC BARRIER. USE THE DETAILS ABOVE THE MATCH LINE ON STANDARD PLAN D-3.16” is revised to read; ”FOR WALLS WITH F-SHAPE TRAFFIC BARRIER, SEE CONTRACT PLANS”

D-3.11
Sheet 1, Typical Section, callout – “”B” BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD PLANS D-3.15 OR D-3.16” is revised to read; ”B” BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)
Sheet 1, Typical Section, callout – “TYPICAL BARRIER ON BRIDGE APPROACH SLAB (SEE BRIDGE PLANS) OR PERMANENT GEOSYNTHETIC WALL BARRIER ~ SEE STANDARD PLANS D-3.15 OR D-3.16” is revised to read; “TYPICAL BARRIER ON BRIDGE APPROACH SLAB OR MOMENT SLAB (SEE CONTRACT PLANS)

D-10.10
Note 7, “If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30” is revised to read “Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 1 and 1SW”.

D-10.15
Note 7, “If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30” is revised to read “Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 2 and 2SW”.

D-10.30
Wall Type 5 may be used in all cases.

D-10.35
Wall Type 6 may be used in all cases.

D-10.40
Note 5, “If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30” is revised to read “Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 7”.

D-10.45
Note 5, “If Traffic Barriers are required, See Standard Plans D-15.10, D-15.20 and D-15.30” is revised to read “Traffic Barriers shall not be structurally connected to the Reinforced Concrete Retaining Wall Type 8”.

F-10.18
General Note 1; “Construct curb joints at concrete pavement transverse joint locations. If all adjacent pavement is HMA, see Standard Plam F-30.10 for Curb Expansion and Contraction Joint Spacing.” Is revised to read – “See Standard Plan F-30.10 and Standard Specification Section 8-04.3 for Curb Expansion and Contraction Joint details and spacing.”

F-30.10
All five instances of the “2.0% MAX.” are replaced with “2.1% MAX.”

F-40.12
The one instance of “2.0% MAX.” is replaced with “2.1% MAX.”
Note 7 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.
Section B is amended as follows:
Delete: “15’ – 0” MAX. (TYP.)”
Section C is amended as follows:
Delete: “15’ – 0” MAX. (TYP.)”

F-40.14
The one instance of “2.0% MAX.” is replaced with “2.1% MAX.”
Note 7 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement. When a ramp is constructed on a radius, the Curb Ramp length is measured on the inside radius along the back of the walkway.
Section A is amended as follows:
Delete: “15’ – 0” MAX. (TYP.)”
Section C is amended as follows:
Delete: “15’ – 0” MAX. (TYP.)”

F-40.15
The one instance of “2.0% MAX.” is replaced with “2.1% MAX.”
Note 7 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.
Section A is amended as follows:
Delete: “15’ – 0” MAX. (TYP.)”

F-40.16
The one instance of “2.0% MAX.” is replaced with “2.1% MAX.”
Note 8 is replaced with the following:
7. The running slope of curb ramps shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the landing. Do not include the abutting landing in the Curb Ramp length measurement.
Section A is amended as follows:
Delete: “15’ – 0” MAX. (TYP.)”
Section B is amended as follows:
Delete: “15’ – 0” MAX. (TYP.)”

F-80.10
The one instance of “2.0% MAX.” is replaced with “2.1% MAX.”
Note 6 is replaced with the following:
The running slope of the Pedestrian Ramp shall not exceed 8.3% maximum except as noted herein. If the 8.3% running slope creates a ramp that exceeds 15ft, see contract plans for details. Use a single constant slope from bottom of ramp to top of ramp to match into the sidewalk.
Section A is amended as follows:
Delete: “15” Max.”

J-10.10
Sheet 4 of 6, “Foundation Size Reference Table”, PAD WIDTH column, Type 33xD=6’ – 3” is revised to read: 7’ – 3”. Type 342LX / NEMA P44=5’ – 10” is revised to read: 6’ – 10”
Sheet 5 of 6, Plan View, “FOR EXAMPLE PAD SHOWN HERE:, “first bullet” item, “- SPACE BETWEEN TYPE B MOD. CABINET AND 33x CABINET IS 6” (IN)” IS REVISED TO READ: “SPACE BETWEEN TYPE B MOD. CABINET (BACK OF ALL CHANNEL STEEL) AND 33x CABINET IS 6” (IN) (CHANNEL STEEL ADDS ABOUT 5” (IN)”

J-10.16
Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-10.17
Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-10.18
Key Note 1, Standard Plan J-10.30 revised to Standard Plan J-10.14

J-20.10
DELETED

J-20.11
DELETED

J-20.26
Add Note 1, “1. One accessible pedestrian pushbutton station per pedestrian pushbutton post.”
Add General Note 2, to read: “Signs shown are for locations with pedestrian signal displays (Accessible Pedestrian Signals/APS). Accessible information device (AID) pushbuttons signs not shown.”
Revise View Titles (Both Sheets) to read: “ACCESSIBLE PEDESTRIAN PUSHBUTTON ASSEMBLY”

J-20.16
View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

J-21.10
Sheet 1, Anchor Bolt Template, callout; “9” (IN) BOLT CIRCLE” is revised to read: “9” (IN) DIA.BOLT CIRCLE”
Base Plate Detail, callout; “3/4” (IN) STEEL PLATE WITH HOLE = POLE BASE + 1/6” (IN)” IS REVISED TO READ; “3/4” (IN) STEEL PLATE WITH HOLE = POLE BASE + 1/16” (IN)”
Flat Foundation Detail – Elevation, callout; “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ THREE REQ’D. PER ASSEMBLY” is revised to read; “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ FOUR REQ’D. PER ASSEMBLY”

Flat Foundation Detail – Elevation, dimension; 4’ – 0” is revised to read; “4’ – 0” ROUND OR 3’ – 0” SQUARE”

J-21.15
Partial View, callout, was – LOCK NIPPLE ~ 1 ½” DIAM., is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

J-28.30
General Note 13 – “See Standard Plans C-8b and C-85.14 for steel light standards on traffic barrier” is revised to read; “See Standard Plan C-85.15 for steel light standards on traffic barrier.”

J-40.10
Sheet 2 of 2, Detail F, callout, “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 12” S. S. FLAT WASHER” is revised to read; “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 1/2” (IN) S. S. FLAT WASHER”

J-40.36
Note 1, second sentence; ”Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; ”Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-40.37
Note 1, second sentence; ”Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; ”Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-75.20
Key Notes, note 16, second bullet point, was: “1/2” (IN) x 0.45” (IN) Stainless Steel Bands”, add the following to the end of the note: “Alternate: Stainless steel cable with stainless steel ends, nuts, bolts, and washers may be used in place of stainless steel bands and associated hardware.”

J-75.55
Notes, Note A1, Revise reference, was – G-90.29, should be – G-90.20.

L-5.10
Add new general Note 9 on sheet 1 – “9. The top of wall in Section A on Sheet 1 shall be located as follows: 1) flush with the finished grade when placed within the deflection distance of the long span guardrail system (Std. Plan C-20.40), 2) Two inches maximum above finished grade when placed behind a box culvert guardrail steel post system (Std. Plan C-20.41 or C-20.43), 3) Six inches minimum for all other applications. The bottom rail shall be located at mid height between the top rail and the top of structure.”

M-20.30

Wide Dotted Lane Line Detail, reference below title, (SEE NOTE 6) is revised to read: (SEE NOTE 5)

M-40.10
Guide Post Type ~ Reflective Sheeting Applications Table, remove reference - "(SEE NOTE 5)"

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00	8/7/07	A-30.35-00	10/12/07	A-50.10-02	7/18/24
A-10.20-00	10/5/07	A-40.00-01	7/6/22	A-50.40-01	8/17/21
A-10.30-00	10/5/07	A-40.10-04	7/31/19	A-60.10-03	12/23/14
A-20.10-00	8/31/07	A-40.15-00	8/11/09	A-60.20-03	12/23/14
A-30.10-00	11/8/07	A-40.20-04	1/18/17	A-60.30-01	6/28/18
A-30.30-01	6/16/11	A-40.50-03	9/12/23	A-60.40-00	8/31/07
B-5.20-03	9/9/20	B-30.50-03	2/27/18	B-75.20-03	8/17/21
B-5.40-02	1/26/17	B-30.60-00	9/9/20	B-75.50-02	3/15/22
B-5.60-02	1/26/17	B-30.40-03	2/27/18	B-70.60-01	1/26/17
B-10.20-03	8/23/23	B-30.70-04	2/27/18	B-75.60-00	6/8/06
B-10.40-02	8/17/21	B-30.80-01	2/27/18	B-80.20-00	6/8/06
B-10.70-03	8/23/23	B-30.90-02	1/26/17	B-80.40-00	6/1/06
B-15.20-01	2/7/12	B-35.20-00	6/8/06	B-85.10-01	6/10/08
B-15.40-01	2/7/12	B-35.40-01	8/23/23	B-85.20-00	6/1/06
B-15.60-02	1/26/17	B-40.20-00	6/1/06	B-85.30-00	6/1/06
B-20.20-02	3/16/12	B-40.40-02	1/26/17	B-85.40-00	6/8/06
B-20.40-04	2/27/18	B-45.20-01	7/11/17	B-85.50-01	6/10/08
B-20.60-03	3/15/12	B-45.40-01	7/21/17	B-90.10-00	6/8/06
B-25.20-02	2/27/18	B-50.20-00	6/1/06	B-90.20-00	6/8/06
B-25.60-03	8/23/23	B-55.20-03	8/17/21	B-90.30-00	6/8/06
B-30.05-00	9/9/20	B-60.20-02	9/9/20	B-90.40-01	1/26/17
B-30.10-03	2/27/18	B-60.40-01	2/27/18	B-90.50-00	6/8/06
B-30.15-00	2/27/18	B-65.20-01	4/26/12	B-95.20-02	8/17/21
B-30.20-04	2/27/18	B-65.40-00	6/1/06	B-95.40-01	6/28/18
B-30.30-03	2/27/18	B-70.20-01	3/15/22		
C-1	9/8/22	C-23.70-01	10/16/23	C-70.10-04	10/16/23
C-1b	10/12/23	C.24.10-05	7/21/24	C-70.15-01	7/21/24
C-1d	10/31/03	C-24.15-00	3/15/22	C-75.10-02	9/16/20
C-6a	9/8/22	C-25.20-07	8/20/21	C-75.20-03	8/20/21
C-7	9/8/22	C-25.22-06	8/20/21	C-75.30-03	8/20/21
C-7a	9/8/22	C-25.26-05	8/20/21	C-80.10-03	10/16/23
C-20.10-09	10/12/23	C-25.30-01	8/20/21	C-80.20-01	6/11/14

C-20.14-05	9/8/22	C-25.32-00	7/29/24	C-80.30-02	8/20/21
C-20.15-03	10/12/23	C-25.80-05	8/12/19	C-80.40-01	6/11/14
C-20.18-04	9/8/22	C-60.10-04	7/21/24	C-85.10-00	4/8/12
C-20.40-10	10/12/23	C-60.15-01	7/21/24	C-85.11-01	9/16/20
C-20.41-05	7/18/24	C-60.20-01	9/8/22	C-85.15-03	10/17/23
C-20.43-01	7/18/24	C-60.30-02	7/21/24	C-85-18-03	9/8/22
C-20.44-00	8/13/24	C-60.40-01	7/21/24	C-81.10-00	9/12/23
C-20.45-03	9/8/22	C-60.45-01	7/21/24	C-81.15-00	9/12/23
C-20.55-00	7/30/24	C-60.50-01	7/21/24		
C-22.16-08	10/17/23	C-60.60-01	7/21/24		
C-22.40-11	7/21/24	C-60.70-01	9/8/22		
C-22.45-07	7/21/24	C-60.80-02	7/21/24		

D-2.36-03	6/11/14	D-3.11-03	6/11/14	D-10.25-01	8/7/19
D-2.46-02	8/13/21	D-4	12/11/98	D-10.30-00	7/8/08
D-2.84-00	11/10/05	D-6	6/19/98	D-10.35-00	7/8/08
D-2.92-01	4/26/22	D-10.10-01	12/2/08	D-10.40-01	12/2/08
D-3.09-00	5/17/12	D-10.15-01	12/2/08	D-10.45-01	12/2/08
D-3.10-01	5/29/13	D-10.20-01	8/7/19	D-20.10-00	10/9/23

E-1	2/21/07	E-4	8/27/03	E-20.10-00	9/12/23
E-2	5/29/98	E-4a	8/27/03	E-20.20-00	10/4/23

F-10.12-04	9/24/20	F-10.62-02	4/22/14	F-40.15-04	9/25/20
F-10.16-00	12/20/06	F-10.64-03	4/22/14	F-40.16-03	6/29/16
F-10.18-04	6/28/24	F-30.10-04	9/25/20	F-45.10-05	6/4/24
F-10.40-04	9/24/20	F-40.12-03	6/29/16	F-80.10-04	7/15/16
F-10.42-00	1/23/07	F-40.14-03	6/29/16		

G-10.10-00	9/20/07	G-24.50-05	8/7/19	G-90.10-03	7/11/17
G-20.10-03	8/20/21	G-24.60-05	6/28/18	G-90.20-05	7/11/17
G-22.10-04	6/28/18	G-25.10-05	9/16/20	G-90.30-04	7/11/17
G-24.10-00	11/8/07	G-26.10-00	7/31/19	G-95.10-02	6/28/18
G-24.20-01	2/7/12	G-30.10-04	6/23/15	G-95.20-03	6/28/18
G-24.30-02	6/28/18	G-50.10-03	6/28/18	G-95.30-03	6/28/18
G-24.40-07	6/28/18				

H-10.10-01	6/2/24	H-30.10-00	10/12/07	H-70.10-02	8/17/21
H-10.11-00	6/2/24	H-32.10-00	9/20/07	H-70.20-02	8/17/21
H-10.15-01	6/2/24	H-60.10-01	7/3/08		
H-10.16-00	6/2/24	H-60.20-01	7/3/08		

I-10.10-01	8/11/09	I-30.20-00	9/20/07	I-40.20-00	9/20/07
I-30.10-02	3/22/13	I-30.30-02	6/12/19	I-50.20-02	7/6/22
I-30.15-02	3/22/13	I-30.40-02	6/12/19	I-60.10-01	6/10/13
I-30.16-01	7/11/19	I-30.60-02	6/12/19	I-60.20-01	6/10/13

I-30.17-01	6/12/19	I-40.10-00	9/20/07	I-80.10-02	7/15/16
J-05.50-00	8/30/22	J-26.10-03	7/21/16	J-50.05-00	7/21/17
J-10	7/18/97	J-26.15-01	5/17/12	J-50.10-01	.7/31/19
J-10.10-04	9/16/20	J-26.20-01	6/28/18	J-50.11-02	7/31/19
J-10.12-00	9/16/20	J-27.10-01	7/21/16	J-50.12-02	8/7/19
J-10.14-00	9/16/20	J-27.15-00	3/15/12	J-50.13-01	8/30/22
J-10.15-01	6/11/14	J-28.01-00	8/30/22	J-50.15-01	7/21/17
J-10.16-02	8/18/21	J-28.10-02	8/7/19	J-50.16-01	3/22/13
J-10.17-02	8/18/21	J-28.22-00	8/07/07	J-50.18-00	8/7/19
J-10.18-02	8/18/21	J-28.24-02	9/16/20	J-50.19-00	8/7/19
J-10.20-04	8/18/21	J-28.26-01	12/02/08	J-50.20-00	6/3/11
J-10.21-02	8/18/21	J-28.30-04	6/18/24	J-50.25-00	6/3/11
J-10.22-03	10/4/23	J-28.40-02	6/11/14	J-50.30-00	6/3/11
J-10.25-01	6/21/24	J-28.42-01	6/11/14	J-60.05-01	7/21/16
J-10.26-00	.8/30/22	J-28.43-01	6/28/18	J-60.11-00	5/20/13
J-12.15-00	6/28/18	J-28.45-03	7/21/16	J-60.12-00	5/20/13
J-12.16-00	6/28/18	J-28.50-03	7/21/16	J-60.13-00	6/16/10
J-15.10-01	6/11/14	J-28.60-03	8/27/21	J-60.14-01	7/31/19
J-15.15-02	7/10/15	J-28.70-04	8/30/22	J-75.10-02	7/10/15
J-20.01-01	.6/21/24	J-29.10-02	8/26/22	J-75.20-01	7/10/15
J-20.05-00	6/21/24	J-29.15-01	7/21/16	J-75.30-02	7/10/15
J-20.10-05	10/4/23	J-29.16-02	7/21/16	J-75.50-00	8/30/22
J-20.11-03	7/31/19	J-30.10-01	8/26/22	J-75.55-00	8/30/22
J-20.15-04	6/21/24	J-40.01-00	8/30/22	J-80.05-00	8/30/22
J-20.16-02	6/30/14	J-40.05-00	7/21/16	J-80.10-01	8/18/21
J-20.20-02	5/20/13	J-40.10-04	4/28/16	J-80.12-00	8/18/21
J-20.26-01	7/12/12	J-40.20-03	4/28/16	J-80.15-00	6/28/18
J-21.10-05	6/21/24	J-40.30-04	4/28/16	J-81.10-02	8/18/21
J-21.15-01	6/10/13	J-40.35-01	5/29/13	J-81.12-00	9/3/21
J-21.16-02	6/21/24	J-40.36-02	7/21/17	J-84.05-00	8/30/22
J-21.17-01	6/10/13	J-40.37-02	7/21/17	J-86.10-00	6/28/18
J-21.20-01	6/10/13	J-40.38-01	5/20/13	J-90.10-03	6/28/18
J-22.15-03	6/21/24	J-40.39-00	5/20/13	J-90.20-03	6/28/18
J-22.16-03	7/10/15	J-40.40-02	7/31/19	J-90.21-02	6/28/18
J-22.17-00	6/21/24	J-45.36-00	7/21/17	J-90.50-00	6/28/18
K-70.20-01	6/1/16	K-80.32-00	8/17/21	K-80.35-01	9/16/20
K-80.10-02	9/25/20	K-80.34-00	8/17/21	K-80.37-01	9/16/20
L-5.10-02	6/5/24	L-20.10-03	7/14/15	L-40.20-02	6/21/12
L-5.15-00	9/19/22	L-30.10-02	6/11/14	L-70.10-01	5/21/08
L-10.10-02	6/21/12	L-40.15-01	6/16/11	L-70.20-01	5/21/08
M-1.20-04	9/25/20	M-9.60-00	2/10/09	M-24.66-00	7/11/17
M-1.40-03	9/25/20	M-11.10-04	8/2/22	M-40.10-04	10/17/23

M-1.60-03	9/25/20	M-12.10-04	6/28/24	M-40.20-00	10/12/07
M-1.80-03	6/3/11	M-15.10-02	7/17/23	M-40.30-01	7/11/17
M-2.20-03	7/10/15	M-17.10-02	7/3/08	M-40.40-00	9/20/07
M-2.21-00	7/10/15	M-20.10-04	8/2/22	M-40.50-00	9/20/07
M-3.10-04	9/25/20	M-20.20-02	4/20/15	M-40.60-00	9/20/07
M-3.20-04	8/2/22	M-20.30-05	6/28/24	M-60.10-01	6/3/11
M-3.30-04	9/25/20	M-20.40-03	6/24/14	M-60.20-03	8/17/21
M-3.40-04	9/25/20	M-20.50-02	6/3/11	M-65.10-03	8/17/21
M-3.50-03	9/25/20	M-24.20-02	4/20/15	M-80.10-01	6/3/11
M-5.10-03	9/25/20	M-24.40-02	4/20/15	M-80.20-00	6/10/08
M-7.50-01	1/30/07	M-24.60-04	6/24/14	M-80.30-00	6/10/08
M-9.50-02	6/24/14	M-24.65-00	7/11/17		

ATTACHMENTS

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State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 04/22/2025

Kitsap County

Trade	Job Classification	Wage	Holiday	Overtime	Note
Asbestos Abatement Workers	Journey Level	$63.87	**5D**	**1H**	
Boilermakers	Journey Level	$78.89	**5N**	**1C**	
Brick Mason	Journey Level	$71.82	**7E**	**1N**	
Brick Mason	Pointer-Caulker-Cleaner	$71.82	**7E**	**1N**	
Building Service Employees	Janitor	$16.66		**1**	
Building Service Employees	Shampooer	$16.66		**1**	
Building Service Employees	Waxer	$16.66		**1**	

Building Service Employees	Window Cleaner	$16.66		**1**	
Cabinet Makers (In Shop)	Journey Level	$23.72		**1**	
Carpenters	Acoustical Worker	$78.96	**15J**	**11U**	
Carpenters	Bridge Dock and Wharf Carpenter	$80.50	**15J**	**11U**	**9L**
Carpenters	Floor Layer & Floor Finisher	$78.96	**15J**	**11U**	
Carpenters	General Carpenter	$78.96	**15J**	**11U**	
Carpenters	Scaffold Erector	$78.96	**15J**	**11U**	
Cement Masons	Application of all Composition Mastic	$77.30	**15J**	**4U**	
Cement Masons	Application of all Epoxy Material	$76.78	**15J**	**4U**	
Cement Masons	Application of all Plastic Material	$77.30	**15J**	**4U**	
Cement Masons	Application of Sealing Compound	$76.78	**15J**	**4U**	
Cement Masons	Application of Underlayment	$77.30	**15J**	**4U**	
Cement Masons	Building General	$76.78	**15J**	**4U**	
Cement Masons	Composition or Kalman Floors	$77.30	**15J**	**4U**	

Cement Masons	Concrete Paving	$76.78	**15J**	**4U**
Cement Masons	Curb & Gutter Machine	$77.30	**15J**	**4U**
Cement Masons	Curb & Gutter, Sidewalks	$76.78	**15J**	**4U**
Cement Masons	Curing Concrete	$76.78	**15J**	**4U**
Cement Masons	Finish Colored Concrete	$77.30	**15J**	**4U**
Cement Masons	Floor Grinding	$77.30	**15J**	**4U**
Cement Masons	Floor Grinding/Polisher	$76.78	**15J**	**4U**
Cement Masons	Green Concrete Saw, self-powered	$77.30	**15J**	**4U**
Cement Masons	Grouting of all Plates	$76.78	**15J**	**4U**
Cement Masons	Grouting of all Tilt-up Panels	$76.78	**15J**	**4U**
Cement Masons	Gunite Nozzleman	$77.30	**15J**	**4U**
Cement Masons	Hand Powered Grinder	$77.30	**15J**	**4U**
Cement Masons	Journey Level	$76.78	**15J**	**4U**
Cement Masons	Patching Concrete	$76.78	**15J**	**4U**
Cement Masons	Pneumatic Power Tools	$77.30	**15J**	**4U**
Cement Masons	Power Chipping & Brushing	$77.30	**15J**	**4U**

Cement Masons	Sand Blasting Architectural Finish	$77.30	**15J**	**4U**	
Cement Masons	Screed & Rodding Machine	$77.30	**15J**	**4U**	
Cement Masons	Spackling or Skim Coat Concrete	$76.78	**15J**	**4U**	
Cement Masons	Troweling Machine Operator	$77.30	**15J**	**4U**	
Cement Masons	Troweling Machine Operator on Colored Slabs	$77.30	**15J**	**4U**	
Cement Masons	Tunnel Workers	$77.30	**15J**	**4U**	
Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	$156.25	**15J**	**11T**	**9I**
Divers & Tenders	Dive Supervisor	$157.75	**15J**	**11T**	**9I**
Divers & Tenders	Diver	$156.25	**15J**	**11T**	**9I**
Divers & Tenders	Diver Tender	$86.86	**15J**	**11T**	**9I**
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$109.76	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 31.01-44.00 PSI	$118.99	**15J**	**11U**	

Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$128.22	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$137.45	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$146.67	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$155.90	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$165.13	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$174.36	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	$183.59	**15J**	**11U**	
Divers & Tenders	Lead Diver (Dive Master)	$101.32	**15J**	**11T**	**9I**
Divers & Tenders	Manifold Operator (Life Support Technician)	$86.86	**15J**	**11T**	**9I**
Divers & Tenders	Remote Operated Vehicle Operator/Technician	$86.86	**15J**	**11T**	**9I**

Divers & Tenders	Remote Operated Vehicle Operator/Technician	$86.86	**15J**	**11T**	**9I**
Divers & Tenders	Remote Operated Vehicle Tender	$80.55	**15J**	**11T**	**9I**
Divers & Tenders	Stand-by Diver	$96.32	**15J**	**11T**	**9I**
Dredge Workers	Assistant Engineer	$85.37	**5D**	**3F**	
Dredge Workers	Assistant Mate (Deckhand)	$84.71	**5D**	**3F**	
Dredge Workers	Boatmen	$85.37	**5D**	**3F**	
Dredge Workers	Engineer Welder	$87.02	**5D**	**3F**	
Dredge Workers	Leverman, Hydraulic	$88.77	**5D**	**3F**	
Dredge Workers	Mates	$85.37	**5D**	**3F**	
Dredge Workers	Oiler	$84.71	**5D**	**3F**	
Drywall Applicator	Journey Level	$78.76	**15O**	**11S**	
Drywall Tapers	Journey Level	$78.76	**15O**	**11S**	
Electrical Fixture Maintenance Workers	Journey Level	$40.69	**5L**	**1E**	
Electricians - Inside	Cable Splicer	$115.15	**7C**	**4E**	
Electricians - Inside	Cable Splicer (tunnel)	$123.64	**7C**	**4E**	
Electricians - Inside	Certified Welder	$111.30	**7C**	**4E**	

Electricians - Inside	Certified Welder (tunnel)	$119.41	**7C**	**4E**	
Electricians - Inside	Construction Stock Person	$54.03	**7C**	**4E**	
Electricians - Inside	Journey Level	$107.44	**7C**	**4E**	
Electricians - Inside	Journey Level (tunnel)	$115.15	**7C**	**4E**	
Electricians - Motor Shop	Craftsman	$16.66		**1**	
Electricians - Motor Shop	Journey Level	$16.66		**1**	
Electricians - Powerline Construction	Cable Splicer	$102.42	**5A**	**4D**	
Electricians - Powerline Construction	Certified Line Welder	$93.99	**5A**	**4D**	
Electricians - Powerline Construction	Groundperson	$59.30	**5A**	**4D**	
Electricians - Powerline Construction	Heavy Line Equipment Operator	$93.99	**5A**	**4D**	
Electricians - Powerline Construction	Journey Level Lineperson	$93.99	**5A**	**4D**	
Electricians - Powerline Construction	Line Equipment Operator	$80.96	**5A**	**4D**	
Electricians - Powerline Construction	Meter Installer	$59.30	**5A**	**4D**	**8W**
Electricians - Powerline Construction	Pole Sprayer	$93.99	**5A**	**4D**	

Electricians - Powerline Construction	Powderperson	$69.84	**5A**	**4D**	
Electronic Technicians	Journey Level	$69.69	**7E**	**1E**	
Elevator Constructors	Mechanic	$115.14	**7D**	**4A**	
Elevator Constructors	Mechanic In Charge	$124.53	**7D**	**4A**	
Fabricated Precast Concrete Products	Journey Level	$16.66		**1**	
Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$16.66		**1**	
Fence Erectors	Fence Erector	$54.65	**15J**	**11P**	**8Y**
Fence Erectors	Fence Laborer	$54.65	**15J**	**11P**	**8Y**
Flaggers	Journey Level	$54.65	**15J**	**11P**	**8Y**
Glaziers	Journey Level	$82.16	**7L**	**1Y**	
Heat & Frost Insulators And Asbestos Workers	Journey Level	$91.81	**15H**	**11C**	
Heating Equipment Mechanics	Journey Level	$102.92	**7F**	**1E**	
Hod Carriers & Mason Tenders	Journey Level	$67.38	**15J**	**11P**	**8Y**
Industrial Power Vacuum Cleaner	Journey Level	$29.89		**1**	
Inland Boatmen	Boat Operator	$71.28	**5B**	**1K**	

Inland Boatmen	Cook	$69.70	**5B**	**1K**
Inland Boatmen	Deckhand	$70.00	**5B**	**1K**
Inland Boatmen	Deckhand Engineer	$69.55	**5B**	**1K**
Inland Boatmen	Launch Operator	$71.23	**5B**	**1K**
Inland Boatmen	Mate	$89.12	**5B**	**1K**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator	$51.27	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Operator	$51.27	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$51.27	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$49.20	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$42.99	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	$46.10	**15M**	**11O**
Insulation Applicators	Journey Level	$78.96	**15J**	**11U**

Ironworkers	Journeyman	$90.82	**15K**	**11N**	
Laborers	Air, Gas Or Electric Vibrating Screed	$63.87	**15J**	**11P**	**8Y**
Laborers	Airtrac Drill Operator	$65.75	**15J**	**11P**	**8Y**
Laborers	Ballast Regular Machine	$63.87	**15J**	**11P**	**8Y**
Laborers	Batch Weighman	$54.65	**15J**	**11P**	**8Y**
Laborers	Brick Pavers	$63.87	**15J**	**11P**	**8Y**
Laborers	Brush Cutter	$63.87	**15J**	**11P**	**8Y**
Laborers	Brush Hog Feeder	$63.87	**15J**	**11P**	**8Y**
Laborers	Burner	$63.87	**15J**	**11P**	**8Y**
Laborers	Caisson Worker	$65.75	**15J**	**11P**	**8Y**
Laborers	Carpenter Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Cement Dumper-paving	$64.98	**15J**	**11P**	**8Y**
Laborers	Cement Finisher Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Change House Or Dry Shack	$63.87	**15J**	**11P**	**8Y**
Laborers	Chipping Gun (30 Lbs. And Over)	$64.98	**15J**	**11P**	**8Y**
Laborers	Chipping Gun (Under 30 Lbs.)	$63.87	**15J**	**11P**	**8Y**

Laborers	Choker Setter	$63.87	**15J**	**11P**	**8Y**
Laborers	Chuck Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Clary Power Spreader	$64.98	**15J**	**11P**	**8Y**
Laborers	Clean-up Laborer	$63.87	**15J**	**11P**	**8Y**
Laborers	Concrete Dumper/Chute Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Concrete Form Stripper	$63.87	**15J**	**11P**	**8Y**
Laborers	Concrete Placement Crew	$64.98	**15J**	**11P**	**8Y**
Laborers	Concrete Saw Operator/Core Driller	$64.98	**15J**	**11P**	**8Y**
Laborers	Crusher Feeder	$54.65	**15J**	**11P**	**8Y**
Laborers	Curing Laborer	$63.87	**15J**	**11P**	**8Y**
Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	$63.87	**15J**	**11P**	**8Y**
Laborers	Ditch Digger	$63.87	**15J**	**11P**	**8Y**
Laborers	Diver	$65.75	**15J**	**11P**	**8Y**
Laborers	Drill Operator (Hydraulic, Diamond)	$64.98	**15J**	**11P**	**8Y**
Laborers	Dry Stack Walls	$63.87	**15J**	**11P**	**8Y**

Laborers	Dump Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Epoxy Technician	$63.87	**15J**	**11P**	**8Y**
Laborers	Erosion Control Worker	$63.87	**15J**	**11P**	**8Y**
Laborers	Faller & Bucker Chain Saw	$64.98	**15J**	**11P**	**8Y**
Laborers	Fine Graders	$63.87	**15J**	**11P**	**8Y**
Laborers	Firewatch	$54.65	**15J**	**11P**	**8Y**
Laborers	Form Setter	$64.98	**15J**	**11P**	**8Y**
Laborers	Gabian Basket Builders	$63.87	**15J**	**11P**	**8Y**
Laborers	General Laborer	$63.87	**15J**	**11P**	**8Y**
Laborers	Grade Checker & Transit Person	$67.38	**15J**	**11P**	**8Y**
Laborers	Grinders	$63.87	**15J**	**11P**	**8Y**
Laborers	Grout Machine Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Groutmen (Pressure) Including Post Tension Beams	$64.98	**15J**	**11P**	**8Y**
Laborers	Guardrail Erector	$63.87	**15J**	**11P**	**8Y**
Laborers	Hazardous Waste Worker (Level A)	$65.75	**15J**	**11P**	**8Y**

Laborers	Hazardous Waste Worker (Level B)	$64.98	**15J**	**11P**	**8Y**
Laborers	Hazardous Waste Worker (Level C)	$63.87	**15J**	**11P**	**8Y**
Laborers	High Scaler	$65.75	**15J**	**11P**	**8Y**
Laborers	Jackhammer	$64.98	**15J**	**11P**	**8Y**
Laborers	Laserbeam Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Maintenance Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Manhole Builder-Mudman	$64.98	**15J**	**11P**	**8Y**
Laborers	Material Yard Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Mold Abatement Worker	$63.87	**15J**	**11P**	**8Y**
Laborers	Motorman-Dinky Locomotive	$67.48	**15J**	**11P**	**8Y**
Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	$67.38	**15J**	**11P**	**8Y**
Laborers	Pavement Breaker	$64.98	**15J**	**11P**	**8Y**

Laborers	Pilot Car	$54.65	**15J**	**11P**	**8Y**
Laborers	Pipe Layer (Lead)	$67.38	**15J**	**11P**	**8Y**
Laborers	Pipe Layer/Tailor	$64.98	**15J**	**11P**	**8Y**
Laborers	Pipe Pot Tender	$64.98	**15J**	**11P**	**8Y**
Laborers	Pipe Reliner	$64.98	**15J**	**11P**	**8Y**
Laborers	Pipe Wrapper	$64.98	**15J**	**11P**	**8Y**
Laborers	Pot Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Powderman	$65.75	**15J**	**11P**	**8Y**
Laborers	Powderman's Helper	$63.87	**15J**	**11P**	**8Y**
Laborers	Power Jacks	$64.98	**15J**	**11P**	**8Y**
Laborers	Power Washer	$63.87	**15J**	**11P**	**8Y**
Laborers	Railroad Spike Puller - Power	$64.98	**15J**	**11P**	**8Y**
Laborers	Raker - Asphalt	$67.38	**15J**	**11P**	**8Y**
Laborers	Re-timberman	$65.75	**15J**	**11P**	**8Y**
Laborers	Remote Equipment Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Rigger/Signal Person	$64.98	**15J**	**11P**	**8Y**

Laborers	Rip Rap Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Rivet Buster	$64.98	**15J**	**11P**	**8Y**
Laborers	Rodder	$64.98	**15J**	**11P**	**8Y**
Laborers	Scaffold Erector	$63.87	**15J**	**11P**	**8Y**
Laborers	Scale Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Sloper (Over 20")	$64.98	**15J**	**11P**	**8Y**
Laborers	Sloper Sprayer	$63.87	**15J**	**11P**	**8Y**
Laborers	Spreader (Concrete)	$64.98	**15J**	**11P**	**8Y**
Laborers	Stake Hopper	$63.87	**15J**	**11P**	**8Y**
Laborers	Stock Piler	$63.87	**15J**	**11P**	**8Y**
Laborers	Swinging Stage/Boatswain Chair	$54.65	**15J**	**11P**	**8Y**
Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$64.98	**15J**	**11P**	**8Y**
Laborers	Tamper (Multiple & Self-propelled)	$64.98	**15J**	**11P**	**8Y**
Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$64.98	**15J**	**11P**	**8Y**
Laborers	Toolroom Person (at Jobsite)	$63.87	**15J**	**11P**	**8Y**

Laborers	Topper	$63.87	**15J**	**11P**	**8Y**
Laborers	Track Laborer	$63.87	**15J**	**11P**	**8Y**
Laborers	Track Liner (Power)	$64.98	**15J**	**11P**	**8Y**
Laborers	Traffic Control Laborer	$58.20	**15J**	**11P**	**9C**
Laborers	Traffic Control Supervisor	$61.47	**15J**	**11P**	**9C**
Laborers	Truck Spotter	$63.87	**15J**	**11P**	**8Y**
Laborers	Tugger Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$200.40	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$205.43	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$209.11	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$214.81	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$216.93	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00	$222.03	**15J**	**11P**	**9B**

	psi				
Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$223.93	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$225.93	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$227.93	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Guage and Lock Tender	$67.48	**15J**	**11P**	**8Y**
Laborers	Tunnel Work-Miner	$67.48	**15J**	**11P**	**8Y**
Laborers	Vibrator	$64.98	**15J**	**11P**	**8Y**
Laborers	Vinyl Seamer	$63.87	**15J**	**11P**	**8Y**
Laborers	Watchman	$49.97	**15J**	**11P**	**8Y**
Laborers	Welder	$64.98	**15J**	**11P**	**8Y**
Laborers	Well Point Laborer	$64.98	**15J**	**11P**	**8Y**
Laborers	Window Washer/Cleaner	$49.97	**15J**	**11P**	**8Y**
Laborers - Underground Sewer & Water	General Laborer & Topman	$63.87	**15J**	**11P**	**8Y**
Laborers - Underground Sewer & Water	Pipe Layer	$64.98	**15J**	**11P**	**8Y**

Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$49.97	**15J**	**11P**	**8Y**
Landscape Construction	Landscape Operator	$84.12	**15J**	**11G**	**8X**
Landscape Maintenance	Groundskeeper	$16.66		**1**	
Lathers	Journey Level	$78.76	**15O**	**11S**	
Marble Setters	Journey Level	$71.82	**7E**	**1N**	
Metal Fabrication (In Shop)	Fitter	$26.96		**1**	
Metal Fabrication (In Shop)	Laborer	$16.66		**1**	
Metal Fabrication (In Shop)	Machine Operator	$16.66		**1**	
Metal Fabrication (In Shop)	Welder	$16.66		**1**	
Millwright	Journey Level	$80.28	**15J**	**4C**	
Modular Buildings	Cabinet Assembly	$16.66		**1**	
Modular Buildings	Electrician	$16.66		**1**	
Modular Buildings	Equipment Maintenance	$16.66		**1**	
Modular Buildings	Plumber	$16.66		**1**	
Modular Buildings	Production Worker	$16.66		**1**	
Modular Buildings	Tool Maintenance	$16.66		**1**	

Modular Buildings	Utility Person	$16.66		**1**	
Modular Buildings	Welder	$16.66		**1**	
Painters	Journey Level	$54.71	**6Z**	**11J**	
Pile Driver	Crew Tender	$86.81	**15J**	**11U**	**9L**
Pile Driver	Journey Level	$80.50	**15J**	**11U**	**9L**
Plasterers	Journey Level	$73.54	**7Q**	**1R**	
Plasterers	Nozzleman	$77.54	**7Q**	**1R**	
Playground & Park Equipment Installers	Journey Level	$16.66		**1**	
Plumbers & Pipefitters	Journey Level	$90.87	**5A**	**1G**	
Power Equipment Operators	Asphalt Plant Operators	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Assistant Engineer	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Barrier Machine (zipper)	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Batch Plant Operator: concrete	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Boat Operator	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators	Bobcat	$80.41	**15J**	**11G**	**8X**

Power Equipment Operators	Brokk - Remote Demolition Equipment	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Brooms	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Bump Cutter	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Cableways	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Chipper	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Compressor	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Concrete Finish Machine - Laser Screed	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Conveyors	$84.12	**15J**	**11G**	**8X**

Power Equipment Operators	Cranes Friction: 200 tons and over	$86.68	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes, A-frame: 10 tons and under	$79.12	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$84.97	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	$83.38	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$85.84	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	$86.68	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: Friction cranes through 199 tons	$85.84	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	$82.74	**7A**	**11H**	**8X**

Power Equipment Operators	Crusher	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Deck Engineer/Deck Winches (power)	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Derricks, On Building Work	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators	Dozers D-9 & Under	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Drilling Machine	$86.39	**15J**	**11G**	**8X**
Power Equipment Operators	Elevator and man-lift: permanent and shaft type	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Forklift: 3000 lbs and over with attachments	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Gradechecker/Stakeman	$80.41	**15J**	**11G**	**8X**

Power Equipment Operators	Guardrail Punch	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Horizontal/Directional Drill Locator	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Horizontal/Directional Drill Operator	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	$82.74	**7A**	**11H**	**8X**
Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	$79.12	**7A**	**11H**	**8X**
Power Equipment Operators	Leverman	$87.28	**15J**	**11G**	**8X**
Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Loaders, Overhead Under 6 Yards	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Loaders, Plant Feed	$84.75	**15J**	**11G**	**8X**

Power Equipment Operators	Loaders: Elevating Type Belt	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Locomotives, All	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Material Transfer Device	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$86.39	**15J**	**11G**	**8X**
Power Equipment Operators	Motor Patrol Graders	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	$83.38	**7A**	**11H**	**8X**
Power Equipment Operators	Overhead, bridge type: 100 tons and over	$84.97	**7A**	**11H**	**8X**

Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators	Pavement Breaker	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Pile Driver (other Than Crane Mount)	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Posthole Digger, Mechanical	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Power Plant	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Pumps - Water	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Rigger and Bellman	$79.12	**7A**	**11H**	**8X**
Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	$82.74	**7A**	**11H**	**8X**

Power Equipment Operators	Rollagon	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Roller, Other Than Plant Mix	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Roto-mill, Roto-grinder	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Saws - Concrete	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Scrapers - Concrete & Carry All	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Service Engineers: Equipment	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Shotcrete/Gunite Equipment	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$85.52	**15J**	**11G**	**8X**

Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$86.39	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$87.28	**15J**	**11G**	**8X**
Power Equipment Operators	Slipform Pavers	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Spreader, Topsider & Screedman	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Subgrader Trimmer	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Tower Bucket Elevators	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$85.84	**7A**	**11H**	**8X**
Power Equipment Operators	Tower crane: up to 175' in height base to boom	$84.97	**7A**	**11H**	**8X**
Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	$86.68	**7A**	**11H**	**8X**
Power Equipment Operators	Transporters, All Track Or Truck Type	$85.52	**15J**	**11G**	**8X**

Power Equipment Operators	Trenching Machines	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	$83.38	**7A**	**11H**	**8X**
Power Equipment Operators	Truck crane oiler/driver: under 100 tons	$82.74	**7A**	**11H**	**8X**
Power Equipment Operators	Truck Mount Portable Conveyor	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators	Welder	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators	Wheel Tractors, Farmall Type	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators	Yo Yo Pay Dozer	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operators	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Assistant Engineer	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Barrier Machine (zipper)	$84.75	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Batch Plant Operator, Concrete	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Boat Operator	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Bobcat	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Brokk - Remote Demolition Equipment	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Brooms	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Bump Cutter	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cableways	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Chipper	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Compressor	$80.41	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine - Laser Screed	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Conveyors	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes Friction: 200 tons and over	$86.68	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes, A-frame: 10 tons and under	$79.12	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$84.97	**7A**	**11H**	**8X**

Power Equipment Operators- Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	$83.38	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$85.84	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$86.68	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$85.84	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: through 19 tons with attachments, a-frame over 10 tons	$82.74	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Crusher	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Deck Engineer/Deck Winches (power)	$84.75	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Drilling Machine	$86.39	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$84.75	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Gradechecker/Stakeman	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Locator	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Operator	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	$79.12	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	$82.74	**7A**	**11H**	**8X**
Power Equipment Operators- Underground	Leverman	$87.28	**15J**	**11G**	**8X**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Locomotives, All	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$86.39	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Motor Patrol Graders	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground	Mucking Machine, Mole, Tunnel Drill, Boring, Road	$85.52	**15J**	**11G**	**8X**

Sewer & Water	Header And/or Shield				
Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	$83.38	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 100 tons and over	$84.97	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	$84.12	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Pavement Breaker	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground	Posthole Digger, Mechanical	$80.41	**15J**	**11G**	**8X**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Power Plant	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Pumps - Water	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height base to boom	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Rigger and Bellman	$79.12	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	$82.74	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Rollagon	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground	Roller, Other Than Plant Mix	$80.41	**15J**	**11G**	**8X**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Roto-mill, Roto-grinder	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Saws - Concrete	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Scrapers - Concrete & Carry All	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shotcrete/Gunite Equipment	$80.41	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground	Shovel, Excavator, Backhoe: Over 30 Metric	$85.52	**15J**	**11G**	**8X**

Sewer & Water	Tons To 50 Metric Tons				
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$86.39	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$87.28	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$85.84	**7A**	**11H**	**8X**
Power Equipment Operators- Underground	Tower crane: up to 175' in height base to boom	$84.97	**7A**	**11H**	**8X**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	$86.68	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Trenching Machines	$84.12	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	$83.38	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	$82.74	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	$84.75	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Welder	$85.52	**15J**	**11G**	**8X**
Power Equipment Operators- Underground	Wheel Tractors, Farmall Type	$80.41	**15J**	**11G**	**8X**

Sewer & Water					
Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	$84.75	**15J**	**11G**	**8X**
Power Line Clearance Tree Trimmers	Journey Level In Charge	$64.20	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Spray Person	$60.74	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Equipment Operator	$64.20	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Trimmer	$57.29	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$43.05	**5A**	**4A**	
Refrigeration & Air Conditioning Mechanics	Journey Level	$95.46	**5A**	**1G**	
Residential Brick Mason	Journey Level	$22.01		**1**	
Residential Carpenters	Journey Level	$26.25		**1**	
Residential Cement Masons	Journey Level	$39.88		**1**	
Residential Drywall Applicators	Journey Level	$51.52	**15J**	**4C**	
Residential Drywall Tapers	Journey Level	$25.84		**1**	
Residential Electricians	Journey Level	$44.11		**1**	

Residential Glaziers	Journey Level	$56.50	**7L**	**1H**
Residential Insulation Applicators	Journey Level	$18.03		**1**
Residential Laborers	Journey Level	$16.66		**1**
Residential Marble Setters	Journey Level	$22.01		**1**
Residential Painters	Journey Level	$20.85		**1**
Residential Plumbers & Pipefitters	Journey Level	$40.60		**1**
Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$45.45		**1**
Residential Sheet Metal Workers	Journey Level	$32.91		**1**
Residential Soft Floor Layers	Journey Level	$22.03		**1**
Residential Sprinkler Fitters (Fire Protection)	Journey Level	$53.48		**1**
Residential Stone Masons	Journey Level	$71.82	**7E**	**1N**
Residential Terrazzo Workers	Journey Level	$16.66		**1**
Residential Terrazzo/Tile Finishers	Journey Level	$39.09		**1**
Residential Tile Setters	Journey Level	$35.40		**1**

Roofers	Journey Level	$67.45	**5A**	**3H**
Roofers	Using Irritable Bituminous Materials	$70.45	**5A**	**3H**
Sheet Metal Workers	Journey Level (Field or Shop)	$102.92	**7F**	**1E**
Shipbuilding & Ship Repair	New Construction Boilermaker	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Carpenter	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Crane Operator	$43.00	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Electrician	$58.98	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$91.81	**15H**	**11C**
Shipbuilding & Ship Repair	New Construction Laborer	$58.60	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Machinist	$58.79	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Operating Engineer	$43.00	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Painter	$58.72	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Pipefitter	$59.07	**7X**	**4J**

Shipbuilding & Ship Repair	New Construction Rigger	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Sheet Metal	$58.68	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Shipwright	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$43.00	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Welder / Burner	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Boilermaker	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Carpenter	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	**7Y**	**4K**
Shipbuilding & Ship Repair	Ship Repair Electrician	$58.98	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$91.81	**15H**	**11C**
Shipbuilding & Ship Repair	Ship Repair Laborer	$58.60	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Machinist	$58.79	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	**7Y**	**4K**
Shipbuilding & Ship Repair	Ship Repair Painter	$58.72	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Pipefitter	$59.07	**7X**	**4J**

Shipbuilding & Ship Repair	Ship Repair Rigger	$58.93	**7X**	**4J**	
Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$58.68	**7X**	**4J**	
Shipbuilding & Ship Repair	Ship Repair Shipwright	$51.85	**7X**	**4J**	
Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	**7Y**	**4K**	
Sign Makers & Installers (Electrical)	Journey Level	$60.46	**0**	**1**	
Sign Makers & Installers (Non-Electrical)	Journey Level	$38.53	**0**	**1**	
Soft Floor Layers	Journey Level	$63.29	**15J**	**4C**	
Solar Controls For Windows	Journey Level	$16.66		**1**	
Sprinkler Fitters (Fire Protection)	Journey Level	$98.99	**5C**	**1X**	
Stage Rigging Mechanics (Non Structural)	Journey Level	$16.66		**1**	
Stone Masons	Journey Level	$71.82	**7E**	**1N**	
Street And Parking Lot Sweeper Workers	Journey Level	$16.66		**1**	
Surveyors	Assistant Construction Site Surveyor	$82.74	**7A**	**11H**	**8X**
Surveyors	Chainman	$79.12	**7A**	**11H**	**8X**

Surveyors	Construction Site Surveyor	$84.12	**7A**	**11H**	**8X**
Surveyors	Drone Operator (when used in conjunction with survey work only)	$79.12	**7A**	**11H**	**8X**
Surveyors	Ground Penetrating Radar Operator	$79.12	**7A**	**11H**	**8X**
Telecommunication Technicians	Journey Level	$69.69	**7E**	**1E**	
Telephone Line Construction - Outside	Cable Splicer	$41.35	**5A**	**2B**	
Telephone Line Construction - Outside	Hole Digger/Ground Person	$27.31	**5A**	**2B**	
Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$34.53	**5A**	**2B**	
Telephone Line Construction - Outside	Telephone Lineperson	$39.07	**5A**	**2B**	
Terrazzo Workers	Journey Level	$67.51	**7E**	**1N**	
Tile Setters	Journey Level	$65.51	**7E**	**1N**	
Tile, Marble & Terrazzo Finishers	Finisher	$56.34	**7E**	**1N**	
Traffic Control Stripers	All cleanup required in connection with traffic control stripers work (Group 1)	$92.44	**15L**	**1K**	

Traffic Control Stripers	Handling, painting and installing of all car stops, stop signs and any other type sign (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Installation of guard rail and posts and similar protective devices (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Installation of parking gates, ticket spitters and other mechanical and automatic control devices (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Installation of plastic metal or composition button, or lines used instead of paint (Group 1)	$92.44	**15L**	**1K**
Traffic Control Stripers	Line removal; chemical sand and hydro-blast, paint and button (Group 1)	$92.44	**15L**	**1K**
Traffic Control Stripers	Manufacturing and installation of all car stops and control devices and similar traffic regulators (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Manufacturing, painting, stenciling, servicing, repairing, placing and removal of traffic safety	$62.69	**15L**	**1K**

	and control devices/barricades (Group 2)				
Traffic Control Stripers	Painting and installing lines, arrows, bumpers, curbs, etc., on parking lots, air fields, highways, game courts (Group 1)	$92.44	**15L**	**1K**	
Traffic Control Stripers	Preparation and maintenance of all surfaces (Group 1)	$92.44	**15L**	**1K**	
Traffic Control Stripers	Seal coating, slurry coating and other surface protection (Group 2)	$62.69	**15L**	**1K**	
Truck Drivers	Asphalt Mix Over 16 Yards	$78.65	**15J**	**11M**	**8L**
Truck Drivers	Asphalt Mix To 16 Yards	$77.81	**15J**	**11M**	**8L**
Truck Drivers	Dump Truck	$77.81	**15J**	**11M**	**8L**
Truck Drivers	Dump Truck & Trailer	$78.65	**15J**	**11M**	**8L**
Truck Drivers	Other Trucks	$78.65	**15J**	**11M**	**8L**
Truck Drivers - Ready Mix	Transit Mix	$78.65	**15J**	**11M**	**8L**
Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$16.66		**1**	
Well Drillers & Irrigation Pump Installers	Oiler	$16.66		**1**	

Well Drillers & Irrigation Pump Installers	Well Driller	$16.66	**1**

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Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.

J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.

K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.

P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.

R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.

U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.

W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.

Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.

Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

   F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.

   M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.

   R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.

   U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.

3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.

   H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.

   J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

   K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

   After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Overtime Codes Continued

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage

C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:
On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.

S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).

All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus $2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).

U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

   The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

   When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

   When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Overtime Codes Continued

11. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   B After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

   C The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage. All non-overtime and non-holiday hours worked between 4:00 pm and 5:00 am, Monday through Friday, shall be paid at a premium rate of 15% over the hourly rate of wage.

   D. All hours worked on Saturdays and holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.

   After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

   E. The first two (2) hours after eight (8) regular hours Monday through Friday, the first ten (10) hours on Saturday, and the first ten (10) hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, and Sundays shall be paid at double the hourly rate of wage.

   After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

11. F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one-half times the hourly rate of wage for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.

All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.

H. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.

All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.

J. All hours worked on holidays shall be paid at double the hourly rate of wage.

K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.

L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar ($2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

Overtime Codes Continued

11. M. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.

On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.

Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars ($2.00) per hour.

N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.

Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.

O. All work performed on Saturdays, Sundays, and Holidays shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Overtime Codes Continued

11. P. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 a.m. to 6:00 p.m., then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shifts shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten-hour shifts.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Q. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 35% over the hourly rate of wage. Work performed on Sundays shall be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.

R On Monday through Saturday hours worked outside 6:00 am and 7:00 pm, and all hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

When a holiday falls on a Saturday, the Friday before shall be the observed holiday. When a holiday falls on a Sunday, the following Monday shall be the observed holiday.

S. The first ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions, or other conditions beyond the control of the Employer, then Saturday may be worked at the straight time rate, for the first eight (8) hours, or the first ten (10) hours when a four day ten hour workweek has been established.

All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

11. T. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.

On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.

All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

U. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.

On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.

All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

If, due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift, then a Special Shift may be worked, Monday through Friday, at the straight-time rate. The starting time of work for the Special Shift will be arranged to fit such conditions of work. Such Special Shift shall consist of eight (8) hours of work for eight (8) hours of pay or ten (10) hours of work for ten(10) hours of pay on a four-ten workday schedule.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).

C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).

H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

Holiday Codes Continued

5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).

L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).

N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.

Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).

S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

Holiday Codes Continued

6. G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).

H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).

T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

Holiday Codes Continued

7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.

X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.

Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Holiday Codes Continued

15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

J. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

M. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

O. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, the day before Christmas day, and Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: $1.00, Levels C & D: $0.50.

N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: $2.00, Class B Suit: $1.50, And Class C Suit: $1.00. Workers performing underground work receive an additional $0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional $0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional $0.50 per hour.

8. V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - $2.00 per foot for each foot over 50 feet. Over 101' to 150' - $3.00 per foot for each foot over 101 feet. Over 151' to 220' - $4.00 per foot for each foot over 220 feet. Over 221' - $5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25’ to 300’ - $1.00 per foot from entrance. 300’ to 600’ - $1.50 per foot beginning at 300’. Over 600’ - $2.00 per foot beginning at 600’.

W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.

Note Codes Continued

X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: $2.00, Class B Suit: $1.50, Class C Suit: $1.00, and Class D Suit: $0.50. Special Shift Premium: Basic hourly rate plus $2.00 per hour.

When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Z. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Note Codes Continued

9. A. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid $0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

(A) – 130’ to 199’ – $0.50 per hour over their classification rate.
(B) – 200’ to 299’ – $0.80 per hour over their classification rate.
(C) – 300’ and over – $1.00 per hour over their classification rate.

Note Codes Continued

9. B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.

9. I. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - $2.00 per foot for each foot over 50 feet. Over 101' to 150' - $3.00 per foot for each foot over 101 feet. Over 151' to 220' - $4.00 per foot for each foot over 220 feet. Over 221' - $5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25’ to 300’ - $1.00 per foot from entrance. 300’ to 600’ - $1.50 per foot beginning at 300’. Over 600’ - $2.00 per foot beginning at 600’.

Employees may be required to perform any combination of work within the Diving team/crew, (with the exception of dive Supervisor) provided they are paid at the highest rate at which he/she has worked for the shift.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Washington State Department of Labor and Industries
Policy Statement
(Regarding the Production of "Standard" or "Non-standard" Items)

Below is the department's (State L&I's) list of criteria to be used in determining whether a prefabricated item is "standard" or "non-standard". For items not appearing on WSDOT's predetermined list, these criteria shall be used by the Contractor (and the Contractor's subcontractors, agents to subcontractors, suppliers, manufacturers, and fabricators) to determine coverage under RCW 39.12. The production, in the State of Washington, of non-standard items is covered by RCW 39.12, and the production of standard items is not. The production of any item outside the State of Washington is not covered by RCW 39.12.

1. Is the item fabricated for a public works project? If not, it is not subject to RCW 39.12. If it is, go to question 2.

2. Is the item fabricated on the public works jobsite? If it is, the work is covered under RCW 39.12. If not, go to question 3.

3. Is the item fabricated in an assembly/fabrication plant set up for, and dedicated primarily to, the public works project? If it is, the work is covered by RCW 39.12. If not, go to question 4.

4. Does the item require any assembly, cutting, modification or other fabrication by the supplier? If not, the work is not covered by RCW 39.12. If yes, go to question 5.

5. Is the prefabricated item intended for the public works project typically an inventory item which could reasonably be sold on the general market? If not, the work is covered by RCW 39.12. If yes, go to question 6.

6. Does the specific prefabricated item, generally defined as standard, have any unusual characteristics such as shape, type of material, strength requirements, finish, etc? If yes, the work is covered under RCW 39.12.

Any firm with questions regarding the policy, WSDOT's Predetermined List, or for determinations of covered and non-covered workers shall be directed to State L&I at (360) 902-5330.

WSDOT's
Predetermined List for
Suppliers - Manufactures - Fabricator

Below is a list of potentially prefabricated items, originally furnished by WSDOT to Washington State Department of Labor and Industries, that may be considered non-standard and therefore covered by the prevailing wage law, RCW 39.12. Items marked with an X in the "YES" column should be considered to be non-standard and therefore covered by RCW 39.12. Items marked with an X in the "NO" column should be considered to be standard and therefore not covered. Of course, exceptions to this general list may occur, and in that case shall be evaluated according to the criteria described in State and L&I's policy statement.

	ITEM DESCRIPTION	YES	NO
1.	Metal rectangular frames, solid metal covers, herringbone grates, and bi-directional vaned grates for Catch Basin Types 1, 1L, 1P, and 2 and Concrete Inlets. See Std. Plans		X
2.	Metal circular frames (rings) and covers, circular grates, and prefabricated ladders for Manhole Types 1, 2, and 3, Drywell Types 1, 2, and 3 and Catch Basin Type 2. See Std. Plans		X
3.	Prefabricated steel grate supports and welded grates, metal frames and dual vaned grates, and Type 1, 2, and 3 structural tubing grates for Drop Inlets. See Std. Plans.		X
4.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes smaller than 60 inch diameter.		X
5.	Concrete Pipe - Plain Concrete pipe and reinforced concrete pipe Class 2 to 5 sizes larger than 60 inch diameter.		X
6.	Corrugated Steel Pipe - Steel lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, 1 thru 5.		X
7.	Corrugated Aluminum Pipe - Aluminum lock seam corrugated pipe for culverts and storm sewers, sizes 30 inch to 120 inches in diameter. May also be treated, #5.		X

	ITEM DESCRIPTION	YES	NO
8.	Anchor Bolts & Nuts - Anchor Bolts and Nuts, for mounting sign structures, luminaries and other items, shall be made from commercial bolt stock. See Contract Plans and Std. Plans for size and material type.		X
9.	Aluminum Pedestrian Handrail - Pedestrian handrail conforming to the type and material specifications set forth in the contract plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).	X	
10.	Major Structural Steel Fabrication - Fabrication of major steel items such as trusses, beams, girders, etc., for bridges.	X	
11.	Minor Structural Steel Fabrication - Fabrication of minor steel Items such as special hangers, brackets, access doors for structures, access ladders for irrigation boxes, bridge expansion joint systems, etc., involving welding, cutting, punching and/or boring of holes. See Contact Plans for item description and shop drawings.	X	
12.	Aluminum Bridge Railing Type BP - Metal bridge railing conforming to the type and material specifications set forth in the Contract Plans. Welding of aluminum shall be in accordance with Section 9-28.14(3).		X
13.	Concrete Piling--Precast-Prestressed concrete piling for use as 55 and 70 ton concrete piling. Concrete to conform to Section 9-19.1 of Std. Spec..	X	
14.	Precast Manhole Types 1, 2, and 3 with cones, adjustment sections and flat top slabs. See Std. Plans.		X
15.	Precast Drywell Types 1, 2, and with cones and adjustment Sections. See Std. Plans.		X
16.	Precast Catch Basin - Catch Basin type 1, 1L, 1P, and 2 With adjustment sections. See Std. Plans.		X

	ITEM DESCRIPTION	YES	NO
17.	Precast Concrete Inlet - with adjustment sections, See Std. Plans		X
18.	Precast Drop Inlet Type 1 and 2 with metal grate supports. See Std. Plans.		X
19.	Precast Grate Inlet Type 2 with extension and top units. See Std. Plans		X
20.	Metal frames, vaned grates, and hoods for Combination Inlets. See Std. Plans		X
21.	Precast Concrete Utility Vaults - Precast Concrete utility vaults of various sizes. Used for in ground storage of utility facilities and controls. See Contract Plans for size and construction requirements. Shop drawings are to be provided for approval prior to casting		X
22.	Vault Risers - For use with Valve Vaults and Utilities X Vaults.		X
23.	Valve Vault - For use with underground utilities. See Contract Plans for details.		X
24.	Precast Concrete Barrier - Precast Concrete Barrier for use as new barrier or may also be used as Temporary Concrete Barrier. Only new state approved barrier may be used as permanent barrier.		X
25.	Reinforced Earth Wall Panels – Reinforced Earth Wall Panels in size and shape as shown in the Plans. Fabrication plant has annual approval for methods and materials to be used. See Shop Drawing. Fabrication at other locations may be approved, after facilities inspection, contact HQ. Lab.	X	
26.	Precast Concrete Walls - Precast Concrete Walls - tilt-up wall panel in size and shape as shown in Plans. Fabrication plant has annual approval for methods and materials to be used	X	

	ITEM DESCRIPTION	YES	NO
27.	Precast Railroad Crossings - Concrete Crossing Structure Slabs.	X	
28.	12, 18 and 26 inch Standard Precast Prestressed Girder – Standard Precast Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
29.	Prestressed Concrete Girder Series 4-14 - Prestressed Concrete Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A .	X	
30.	Prestressed Tri-Beam Girder - Prestressed Tri-Beam Girders for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
31.	Prestressed Precast Hollow-Core Slab – Precast Prestressed Hollow-core slab for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A.	X	
32.	Prestressed-Bulb Tee Girder - Bulb Tee Prestressed Girder for use in structures. Fabricator plant has annual approval of methods and materials to be used. Shop Drawing to be provided for approval prior to casting girders. See Std. Spec. Section 6-02.3(25)A	X	
33.	Monument Case and Cover See Std. Plan.		X

	ITEM DESCRIPTION	YES	NO
34.	Cantilever Sign Structure - Cantilever Sign Structure fabricated from steel tubing meeting AASHTO-M-183. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
35.	Mono-tube Sign Structures - Mono-tube Sign Bridge fabricated to details shown in the Plans. Shop drawings for approval are required prior to fabrication.	X	
36.	Steel Sign Bridges - Steel Sign Bridges fabricated from steel tubing meeting AASHTO-M-138 for Aluminum Alloys. See Std. Plans, and Contract Plans for details. The steel structure shall be galvanized after fabrication in accordance with AASHTO-M-111.	X	
37.	Steel Sign Post - Fabricated Steel Sign Posts as detailed in Std Plans. Shop drawings for approval are to be provided prior to fabrication		X
38.	Light Standard-Prestressed - Spun, prestressed, hollow concrete poles.	X	
39.	Light Standards - Lighting Standards for use on highway illumination systems, poles to be fabricated to conform with methods and materials as specified on Std. Plans. See Specia Provisions for pre-approved drawings.	X	
40.	Traffic Signal Standards - Traffic Signal Standards for use on highway and/or street signal systems. Standards to be fabricated to conform with methods and material as specified on Std. Plans. See Special Provisions for pre-approved drawings	X	
41.	Precast Concrete Sloped Mountable Curb (Single and DualFaced) See Std. Plans.		X

	ITEM DESCRIPTION	YES	NO
42.	Traffic Signs - Prior to approval of a Fabricator of Traffic Signs, the sources of the following materials must be submitted and approved for reflective sheeting, legend material, and aluminum sheeting. **NOTE:** *** Fabrication inspection required. Only signs tagged "Fabrication Approved" by WSDOT Sign Fabrication Inspector to be installed	**X**	**X**
		Custom Message	Std Signing Message
43.	Cutting & bending reinforcing steel		**X**
44.	Guardrail components	**X**	**X**
		Custom End Sec	Standard Sec
45.	Aggregates/Concrete mixes	Covered by WAC 296-127-018	
46.	Asphalt	Covered by WAC 296-127-018	
47.	Fiber fabrics		**X**
48.	Electrical wiring/components		**X**
49.	treated or untreated timber pile		**X**
50.	Girder pads (elastomeric bearing)	**X**	
51.	Standard Dimension lumber		**X**
52.	Irrigation components		**X**

ITEM DESCRIPTION	YES	NO
53. Fencing materials		X
54. Guide Posts		X
55. Traffic Buttons		X
56. Epoxy		X
57. Cribbing		X
58. Water distribution materials		X
59. Steel "H" piles		X
60. Steel pipe for concrete pile casings		X
61. Steel pile tips, standard		X
62. Steel pile tips, custom	X	

Prefabricated items specifically produced for public works projects that are prefabricated in a county other than the county wherein the public works project is to be completed, the wage for the offsite prefabrication shall be the applicable prevailing wage for the county in which the actual prefabrication takes place.

It is the manufacturer of the prefabricated product to verify that the correct county wage rates are applied to work they perform.

See RCW 39.12.010
(The definition of "locality" in RCW 39.12.010(2) contains the phrase "wherein the physical work is being performed." The department interprets this phrase to mean the actual work site.

WSDOT's List of State Occupations not applicable to Heavy and Highway Construction Projects

This project is subject to the state hourly minimum rates for wages and fringe benefits in the contract provisions, as provided by the state Department of Labor and Industries.
The following list of occupations, is comprised of those occupations that are not normally used in the construction of heavy and highway projects.
When considering job classifications for use and / or payment when bidding on, or building heavy and highway construction projects for, or administered by WSDOT, these Occupations will be excepted from the included "Washington State Prevailing Wage Rates For Public Work Contracts" documents.

- Building Service Employees
- Electrical Fixture Maintenance Workers
- Electricians - Motor Shop
- Heating Equipment Mechanics
- Industrial Engine and Machine Mechanics
- Industrial Power Vacuum Cleaners
- Inspection, Cleaning, Sealing of Water Systems by Remote Control
- Laborers - Underground Sewer & Water
- Machinists (Hydroelectric Site Work)
- Modular Buildings
- Playground & Park Equipment Installers
- Power Equipment Operators - Underground Sewer & Water
- Residential *** ALL ASSOCIATED RATES ***
- Sign Makers and Installers (Non-Electrical)
- Sign Makers and Installers (Electrical)
- Stage Rigging Mechanics (Non Structural)

The following occupations may be used only as outlined in the preceding text concerning "WSDOT's list for Suppliers - Manufacturers - Fabricators"

- Fabricated Precast Concrete Products
- Metal Fabrication (In Shop)

Definitions for the Scope of Work for prevailing wages may be found at the Washington State Department of Labor and Industries web site and in WAC Chapter 296-127.

Washington State Department of Labor and Industries
Policy Statements
(Regarding Production and Delivery of Gravel, Concrete, Asphalt, etc.)

WAC 296-127-018 Agency filings affecting this section

Coverage and exemptions of workers involved in the production and delivery of gravel, concrete, asphalt, or similar materials.

(1) The materials covered under this section include but are not limited to: Sand, gravel, crushed rock, concrete, asphalt, or other similar materials.

(2) All workers, regardless of by whom employed, are subject to the provisions of chapter 39.12 RCW when they perform any or all of the following functions:

(a) They deliver or discharge any of the above-listed materials to a public works project site:

(i) At one or more point(s) directly upon the location where the material will be incorporated into the project; or

(ii) At multiple points at the project; or

(iii) Adjacent to the location and coordinated with the incorporation of those materials.

(b) They wait at or near a public works project site to perform any tasks subject to this section of the rule.

(c) They remove any materials from a public works construction site pursuant to contract requirements or specifications (e.g., excavated materials, materials from demolished structures, clean-up materials, etc.).

(d) They work in a materials production facility (e.g., batch plant, borrow pit, rock quarry, etc.,) which is established for a public works project for the specific, but not necessarily exclusive, purpose of supplying materials for the project.

(e) They deliver concrete to a public works site regardless of the method of incorporation.

(f) They assist or participate in the incorporation of any materials into the public works project.

(3) All travel time that relates to the work covered under subsection (2) of this section requires the payment of prevailing wages. Travel time includes time spent waiting to load, loading, transporting, waiting to unload, and delivering materials. Travel time would include all time spent in travel in support of a public works project whether the vehicle is empty or full. For example, travel time spent returning to a supply source to obtain another load of material for use on a public works site or returning to the public works site to obtain another load of excavated material is time spent in travel that is subject to prevailing wage. Travel to a supply source, including travel from a public works site, to obtain materials for use on a private project would not be travel subject to the prevailing wage.

(4) Workers are not subject to the provisions of chapter 39.12 RCW when they deliver materials to a stockpile.

(a) A "stockpile" is defined as materials delivered to a pile located away from the site of incorporation such that the stockpiled materials must be physically moved from the stockpile and transported to another location on the project site in order to be incorporated into the project.

(b) A stockpile does not include any of the functions described in subsection (2)(a) through (f) of this section; nor does a stockpile include materials delivered or distributed to multiple locations upon the project site; nor does a stockpile include materials dumped at the place of incorporation, or adjacent to the location and coordinated with the incorporation.

(5) The applicable prevailing wage rate shall be determined by the locality in which the work is performed. Workers subject to subsection (2)(d) of this section, who produce such materials at an off-site facility shall be paid the applicable prevailing wage rates for the county in which the off-site facility is located. Workers subject to subsection (2) of this section, who deliver such materials to a public works project site shall be paid the applicable prevailing wage rates for the county in which the public works project is located.

[Statutory Authority: Chapter 39.12 RCW, RCW 43.22.051 and 43.22.270. 08-24-101, § 296-127-018, filed 12/2/08, effective 1/2/09. Statutory Authority: Chapters 39.04 and 39.12 RCW and RCW 43.22.270. 92-01-104 and 92-08-101, § 296-127-018, filed 12/18/91 and 4/1/92, effective 8/31/92.]

ROMTEC
18240 NORTH BANK ROAD - ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

BLDG 1	PROJECT INFORMATION
	PROJECT NAME: PGFHP GATEWAY PARKING LOT PROJECT
	PROJECT I.D.: KIT01
	MODEL #: 1011 SST ASPEN SINGLE RESTROOM
	SITE ADDRESS: 47.84501, -122.60083
	CITY / STATE: PORT GAMBLE, WASHINGTON 98346

SHEET SCHEDULE

10/17/2024

NABIL M TAYLOR — STATE OF WASHINGTON — 41133 — REGISTERED PROFESSIONAL ENGINEER

Exp. 7/26/2025

REVISION SCHEDULE

REV.	DATE	BY	DESCRIPTION
4	10/16/24	JL	G0,G1,G2
3	03/08/23	CR	G1,G2,S8.2
2	08/27/2019	TH	A5.1
1	8/01/2019	TH	G2, A2.1, A2.2, S7.1, S7.2, S8.1, S8.2

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ROMTEC 219-52

ROMTEC
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PROJECT: 1011 SST ASPEN SINGLE MATERLESS RR W/ ENTRY
KITSAP COUNTY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: TITLE SHEET
REVISION & SHEET SCHEDULE

PROJECT I.D. # KIT01

DATE: 7/29/2019

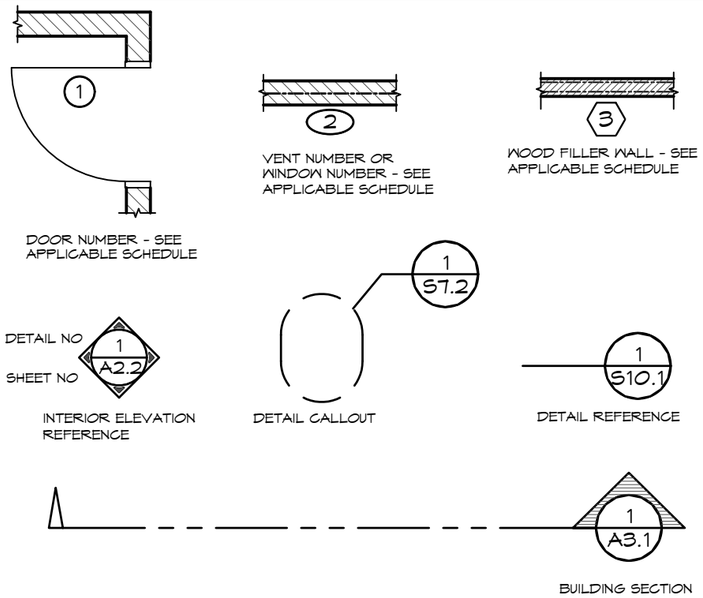
REVISIONS

REV.	DATE:	BY

DRAWN BY: TH

SHEET NO.
G0-1

SYMBOL LEGEND



ABBREVIATIONS

AB	ANCHOR BOLT
AFF	ABOVE FINISHED FLOOR
ATS	AUTOMATIC TRANSFER SWITCH
BN	BOUNDARY NAIL
BOT	BOTTOM
BP	BREAKER PANEL
CJ	CONTROL JOINT
CL	CENTER LINE
CO	CLEAN OUT
CMU	CONCRETE MASONRY UNIT
db	NOMINAL BAR DIAMETER
DD	DIAPER DECK
DIA	DIAMETER
DISC	DISCONNECT
EM	ELECTRIC METER
EN	END NAIL
EW	EACH WAY
FD	FLOOR DRAIN
FF	FINISHED FLOOR
FG	FINISHED GRADE
FN	FIELD NAIL
FRP	FIBERGLASS REINFORCED PANEL
GB	GRAB BAR
GLB	GLUE LAMINATED BEAM
HB	HOSE BIBB
HD	HAND DRYER
HM	HOLLOW METAL (DOOR)
HTR	HEATER
HYP	HYPOTENUSE
I.S.	INSTALLER SUPPLIED
KSI	KIPS PER SQUARE INCH
L	STRUCTURAL STEEL ANGLE
LAV	LAVATORY
LF	LIGHT FIXTURE
MBP	MAIN BREAKER PANEL
MD	MAIN DISCONNECT
MIN	MINIMUM
MIR	MIRROR
MO	MASONRY OPENING
MR	METAL ROOFING
MS	MILD STEEL

ND	NAPKIN DISPOSAL
NTS	NOT TO SCALE
OC	ON CENTER
OCEW	ON CENTER EACH WAY
OSB	ORIENTED STRAND BOARD
P	PHOTO EYE
PCC	PORTLAND CEMENT COMPANY
PEN	PANEL EDGE NAILING
PL	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTD	PAPER TOWEL DISPENSER
PV	PHOTO VOLTAIC
R4S	ROUGH FOUR SIDES
REQD	REQUIRED
RO	ROUGH OPENING
S4S	SURFACED FOUR SIDES
SCH	SCHEDULE
SD	SOAP DISPENSER
SIP	STRUCTURAL INSULATED PANEL
SJ	SAW JOINT
SM	SHEET METAL
SN	SHEAR NAILING
SS	STAINLESS STEEL
SST	STRUCTURAL STEEL TUBE
TBD	TO BE DETERMINED
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TLT	TOILET
TP	TOILET PAPER DISPENSER
TS	TIMER SWITCH
TSCD	TOILET SEAT COVER DISPENSER
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VB	VAPOR BARRIER
VTR	VENT THROUGH ROOF
WH	WATER HEATER
WWM	WOVEN WIRE MESH
W/	WITH

GENERAL NOTES

1. THIS PROJECT SHALL COMPLY WITH ALL CODES AND STANDARDS IDENTIFIED ON SHEET G2. ALL WORK SHALL MEET OR EXCEED INDUSTRY STANDARDS FOR MATERIALS, WORKMANSHIP, ETC.

2. CONTRACTOR SHALL REVIEW THE DRAWINGS THOROUGHLY BEFORE PROCEEDING WITH ANY WORK. ANY DISCREPANCIES FOUND WITHIN THESE DOCUMENTS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF ROMTEC. CONTRACTOR SHALL NOT PROCEED WITH ANY WORK HE KNOWS TO BE IN CONFLICT WITH OTHER WORK, OR IS NOT APPROVED BY CODE, UNTIL RESOLVED BY ROMTEC OR THE ENGINEER/ARCHITECT.

3. CONTRACTOR SHALL MAINTAIN GENERAL LIABILITY INSURANCE AND WORKER'S COMP. INSURANCE AS PER SPECIFIC STATE MINIMUM REQUIREMENTS.

4. FOOTINGS SHALL BE CONSTRUCTED ON UNDISTURBED NATIVE SOIL OR ENGINEER APPROVED FILL. CONTRACTOR TO VERIFY ASSUMED SOIL BEARING CAPACITY NOTED ON SHEET G2. SHOULD SOIL NOT MEET OR EXCEED THE ASSUMED SOIL BEARING CAPACITY, CONTRACTOR TO MODIFY SOIL CONDITIONS TO SATISFY CRITERIA OR NOTIFY THE STRUCTURAL ENGINEER TO REVISE DESIGN PER CONDITIONS ENCOUNTERED. BACKFILL AROUND BUILDING TO PROVIDE SLOPE AWAY FROM BUILDING NOT LESS THAN A 2% SLOPE FOR A MINIMUM DISTANCE OF 10' FROM THE BUILDING, PER 2021 IBC 1804.3.

5. A. CAST-IN-PLACE CONCRETE: 3000 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS 4" +/- 1" SLUMP, WITH MAX 1" AGGREGATE, AND ALL MATERIALS IN ACCORDANCE WITH ACI 318 STANDARDS. FINE BROOM FINISH INTERIOR SURFACES AND EXTERIOR SLABS. JOINTS REQUIRED IN FLAT WORK, SEE FOUNDATION DETAILS FOR REQUIREMENTS.
B. CMU BLOCKS "MEDIUM WEIGHT DENSITY" ARE MANUFACTURED TO ASTMC90-02 STANDARDS WITH A MIN COMPRESSIVE STRENGTH Fm = 1500 PSI. ALL CMU BLOCKS MUST BE FULLY GROUTED IN 5 FT MAXIMUM LIFTS (EXCEPTION - HIGH LIFT GROUTING FOR 8'-8" WALLS MAYBE USED AS LONG AS CLEANOUT OPENINGS ARE PROVIDED AT THE BOTTOM OF EVERY CELL FOR EACH POUR ABOVE 5 FT). THE MORTAR TO BE USED SHALL BE TYPE S 1800 PSI MORTAR CONFORMING TO ASTM C270. MASONRY (CONCRETE) GROUT: 2500 PSI MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS 9" +/- 1" SLUMP, WITH MAX 1/2" AGGREGATE, AND TESTED IN ACCORDANCE TO MEET ACI 318. FINE OR COURSE GROUT MAY BE USED IN ACCORDANCE WITH 2018 IBC. CONSOLIDATE GROUT AT THE TIME OF PLACEMENT. CONSOLIDATE POURS EXCEEDING 12 IN. IN HEIGHT BY MECHANICAL VIBRATION, AND RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED. CONSOLIDATION AND RECONSOLIDATION ARE NORMALLY ACHIEVED WITH A MECHANICAL VIBRATOR. A LOW VELOCITY VIBRATOR WITH A 3/4 IN. HEAD IS USED.

6. ANCHOR AND MACHINE BOLTS SHALL BE ASTM A307, UNLESS NOTED OTHERWISE BOLTS SHALL BE INSTALLED PER TURN-OF-NUT INSTALLATION METHOD, REQUIRED TURNS FOR PRE-TENSIONING FROM SNUG-TIGHT, U.N.O. IN THIS PLAN SET OR BY ANCHOR BOLT OR FASTENER MANUFACTURER. SCREWS AND MACHINE BOLT CALLOUTS ARE MINIMUM SIZE ALLOWED, ACTUAL SIZE MAY VARY. HOLLOW STRUCTURAL SECTION (HSS) SHALL BE ASTM A500 GRADE B, Fy = 46 ksi. WIDE FLANGE BEAMS SHALL BE ASTM A992, Fy = 50 ksi. STEEL PLATES & SHAPES SHALL BE ASTM A36, Fy = 36 ksi. CONCRETE REINFORCING STEEL (REBAR): 60 ksi. (GRADE 60). WOOD FRAMING SHALL BE #2 & BETTER DOUGLAS FIR, UNO.
GLU-LAM BEAMS SHALL BE GRADE 24F-V4.

7. QUESTIONS CONCERNING MATERIALS OR CONSTRUCTION CONTACT ROMTEC TECHNICAL ASSISTANCE AT: 541-496-3541

8. ROMTEC SCOPE SUPPLY AND DESIGN SUBMITTAL (SSDS) IDENTIFY SPECIFIC MODEL, MANUFACTURER & BRAND OF ALL PLUMBING AND ELECTRICAL FIXTURES AND ACCESSORIES. REFER TO THE SSDS FOR SPECIFIC LIST OF ITEMS SUPPLIED BY ROMTEC, ANY ITEMS NOT LISTED IN THE SSDS IS ASSUMED SUPPLIED BY THE INSTALLER.

9. THE OWNER / CONTRACTOR MAY EXERCISE DISCRETION IN SELECTING THE FINAL LOCATION FOR NON-DIMENSIONED ACCESSORIES AND FIXTURES (E.G., LIGHTS, COMFORT HEATERS, ETC.)

NOTE: ARCHITECT/ENGINEER IS NOT RESPONSIBLE FOR ANY SITE DESIGN OR ENGINEERING AND WILL NOT BE HELD ACCOUNTABLE OR LIABLE FOR ANY ISSUES RELATED TO THIS SITE. IT IS THE OWNER'S RESPONSIBILITY TO ACCURATELY LOCATE THIS BUILDING, SET FLOOR AND ADJACENT ELEVATIONS, DETERMINE SITE IS SUITABLE FOR CONSTRUCTION, VERIFY ALL UTILITIES, ETC.

RECYCLE

RECYCLE ALL USED SHIPPING MATERIALS AND LEFT OVER BUILDING MATERIALS

10/17/2024

NABIL M TAHA — STATE OF WASHINGTON — 41133 — REGISTERED PROFESSIONAL ENGINEER

Exp. 7/26/2025

Precision Consulting Engineering, Inc.
www.structure1.com
Klamath Falls Office
250 Main Klamath Falls, Oregon 97603
Phone: (541) 850-6300 Fax: (541) 850-6233
info@structure1.com

ROMTEC 219-52

ROMTEC
1820 NORTH BANK ROAD
ROSEBURG, OR 97470
(541)-496-3541 FAX (541)-496-0803

PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
KITSAP COUNTY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: GENERAL NOTES

PROJECT I.D. #
KIT01

DATE:
7/29/2019

REVISIONS

REV.	DATE:	BY
3	03-08-2023	CR
4	10-16-24	JL

DRAWN BY: TH

SHEET NO.
G1

CODES AND STANDARDS

2021 WASHINGTON STATE BUILDING CODE (2021 IBC)

2021 WASHINGTON STATE MECHANICAL CODE (2021 IMC)

2021 WASHINGTON PLUMBING CODE (2021 UPC)

2021 WASHINGTON STATE FIRE CODE (2021 IFC)

2023 NATIONAL ELECTRICAL CODE (2023 NFPA 70E)

2021 WASHINGTON STATE ENERGY CODE (2021 IECC)

2010 ADA STANDARDS

ACI AMERICAN CONCRETE INSTITUTE, ACI 318, "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"

ACI AMERICAN CONCRETE INSTITUTE, ACI 530, "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES"

AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION
"STEEL CONSTRUCTION MANUAL, 13TH EDITION"

CODE SUMMARY:

OCCUPANCY TYPE: U
CONSTRUCTION: VB
AREA: ... 57 SQ FT
AREA ALLOWABLE: 5500 SQ FT
HEIGHT: 1 STORY
HEIGHT ALLOWABLE: 1 STORY
OCCUPANT LOAD: 1

DESIGN LOADS

ROOF: SNOW LOAD	25 PSF
ROOF: DEAD LOAD	10 PSF
WALL DEAD LOAD	81 PSF
IBC SEISMIC DESIGN CATEGORY	D
DESIGN WIND SPEED (ULTIMATE)	100 MPH EXPOSURE D
ALLOWABLE SOIL BEARING	1500 PSF

SEISMIC DESIGN DATA:

RISK CATEGORY:	II
IMPORTANCE FACTOR:	1.0
SS:	1.629
S1:	0.558
SITE CLASS:	D
SMS:	1.955
SM1:	0.972
SDS:	1.304
SD1:	0.648
SEISMIC DESIGN CATEGORY:	D
R =	5
BASE SHEAR: V =	0.261 W

WIND DESIGN :

RISK CATEGORY:	II
WIND SPEED =	100 MPH
EXPOSURE:	D
INTERNAL PRESSURE COEFE =	± 0.18

BEARING WALL SYSTEM: SPECIAL REINFORCED MASONRY SHEAR WALL

ANALYSIS METHOD: EQUIVALENT STATIC FORCE METHOD

SPECIAL INSPECTIONS

CONCRETE SPECIAL INSPECTION NOT REQUIRED PER IBC 1705.3
EXCEPTION 2.3 [FOOTINGS]
EXCEPTION 3 [SLAB]

SPECIAL INSPECTIONS (TMS 402-16)

TABLE 3 -- MINIMUM VERIFICATION REQUIREMENTS

MINIMUM VERIFICATION	REQUIRED FOR QUALITY ASSURANCE (a)			REFERENCE FOR CRITERIA
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 602
PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS		R		ART. 1.5
PRIOR TO CONSTRUCTION, VERIFICATION OF f'_m AND f'_{AAC}, EXCEPT WHERE SPECIFICALLY EXEMPT BY THE CODE.		R		ART. 1.4 B
DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE.		R		ART. 1.5 & 1.6.3
DURING CONSTRUCTION, VERIFICATION OF f'_m AND f'_{AAC} FOR EVERY 5,000 sq. ft. (465 sq.m).		NR		ART. 1.4 B
DURING CONSTRUCTION, VERIFICATION OF PORPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREMIXED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT.		NR		ART. 1.4 B

(a) R=REQUIRED, NR=NOT REQUIRED

TABLE 4 -- MINIMUM SPECIAL INSPECTION REQUIREMENTS

MINIMUM SPECIAL INSPECTION

INSPECTION TASK	REQUIRED FOR QUALITY ASSURANCE (a)			REFERENCE FOR CRITERIA	
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
A. PROPORTION OF SITE-PREPARED MORTAR		P			ART. 2.1 , 2.6 A, & 2.6 C
B. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES		P			ART. 2.4 B & 2.4 H
C. GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES		P			ART. 3.4 & 3.6 A
D. PRESTRESSING TECHNIQUE		P			ART. 3.6 B
E. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY		C(b)/P(c)			ART. 2.1 C.1
F. SAMPLE PANEL CONSTRUCTION		P			ART. 2.1 C.1
2. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
A. GROUT SPACE		P			ART. 3.2 D & 3.2 F
B. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES		P		SEC. 10.8 & 10.9	ART. 2.4 & 3.6
C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS		P		SEC. 6.1, 6.3.1, 6.3.6, & 6.3.7	ART. 2.4 & 3.6
D. PROPORTIONS OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS		P			ART. 2.6 B & 2.4 G.1.b
3. VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:					
A. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS		P			ART. 1.5
B. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION		P			ART. 3.3 B
C. SIZE AND LOCATION OF STRUCTURAL MEMBERS		P			ART. 3.3 F
D. TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.		P		SEC. 1.2.1(e), 6.2.1 & 6.3.1	
E. WELDING OF REINFORCEMENT		C		SEC. 6.1.6.1.2	
F. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F(4.4°C)) OR HOT WEATHER (TEMPERATURE ABOVE 90°F(32.2°C))		P			ART. 1.8 C & 1.8 D
G. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE		C			ART. 3.6 B
H. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE		C			ART. 3.5 & 3.6 C
I. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS		C(b)/P(c)			ART. 3.3 B.9 & 3.3 F.1.b
4. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS		P			ART. 1.4 B.2.a.3, 1.4 B.2.b.3, 1.4 B.2.c.3, 1.4 B.3, & 1.4 B.4

(a) FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE LISTED TASK OR PERIODICALLY DURING THE LISTED TASK, AS DEFINED IN THE TABLE. NR=NOT REQUIRED, P=PERIODIC, C=CONTINUOUS

(b) REQUIRED FOR THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

(c) REQUIRED AFTER THE FIRST 5000 SQUARE FEET (465 SQUARE METERS) OF AAC MASONRY.

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PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: DESIGN CRITERIA

PROJECT I.D. #
KIT01

DATE:
7/29/2019

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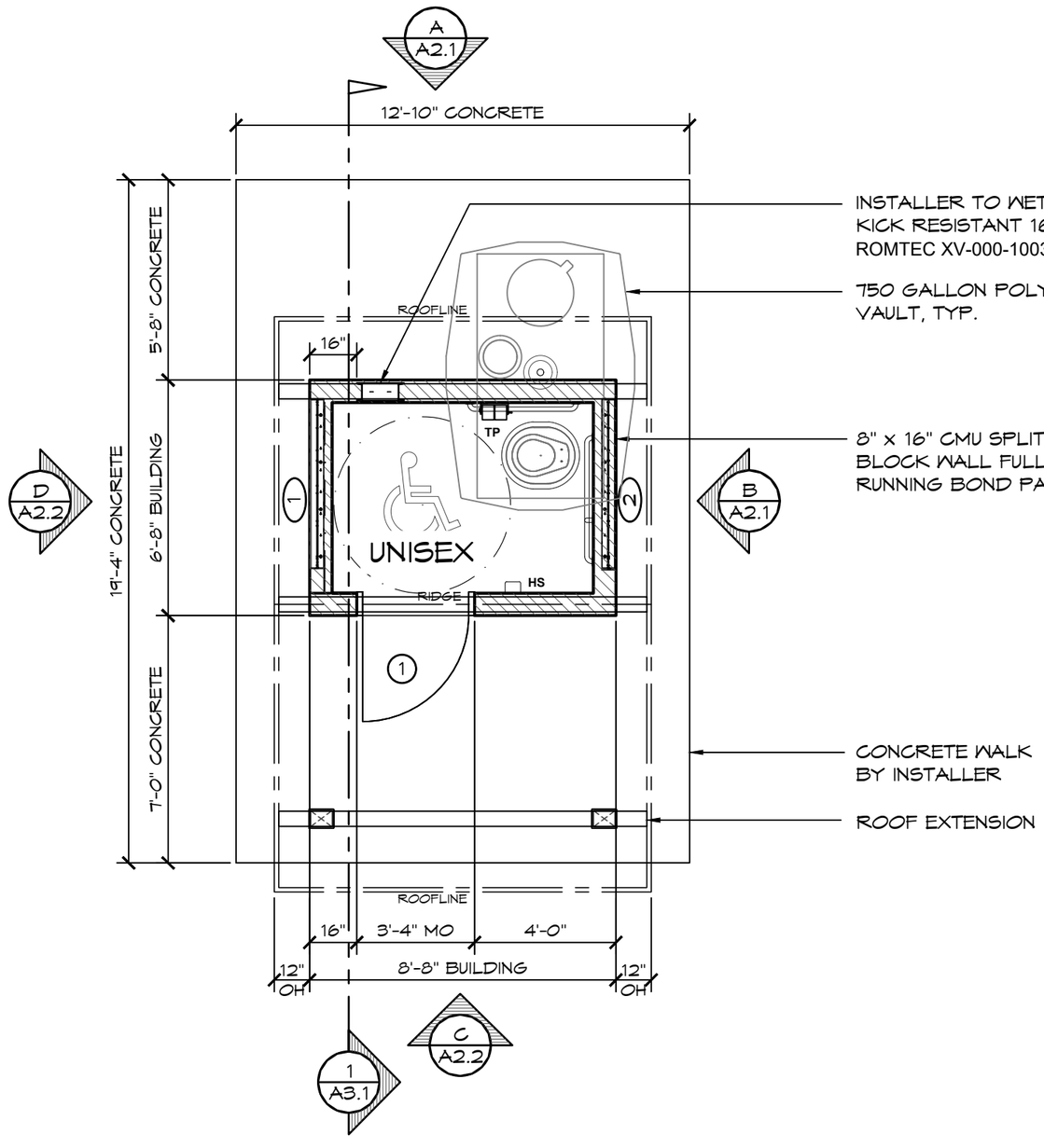
REV.	DATE:	BY
1	08/01/2019	TH
3	03-08-2023	CR
4	10-16-24	JL

DRAWN BY: TH

SHEET NO.
G2



1 FLOOR PLAN

SCALE: 1/4" = 1'-0"

A D B C

WALL TYPE SCHEDULE

8" REINFORCED CONCRETE MASONRY BLOCK WALL WITH MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.

FOR EXTERIOR/INTERIOR FINISH SCHEDULE REFER TO SHEET A4.1

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KITSAP COUNTY, WASHINGTON
SHEET TITLE: FLOOR PLAN

PROJECT I.D. #
KIT01

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7/29/2019

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TH

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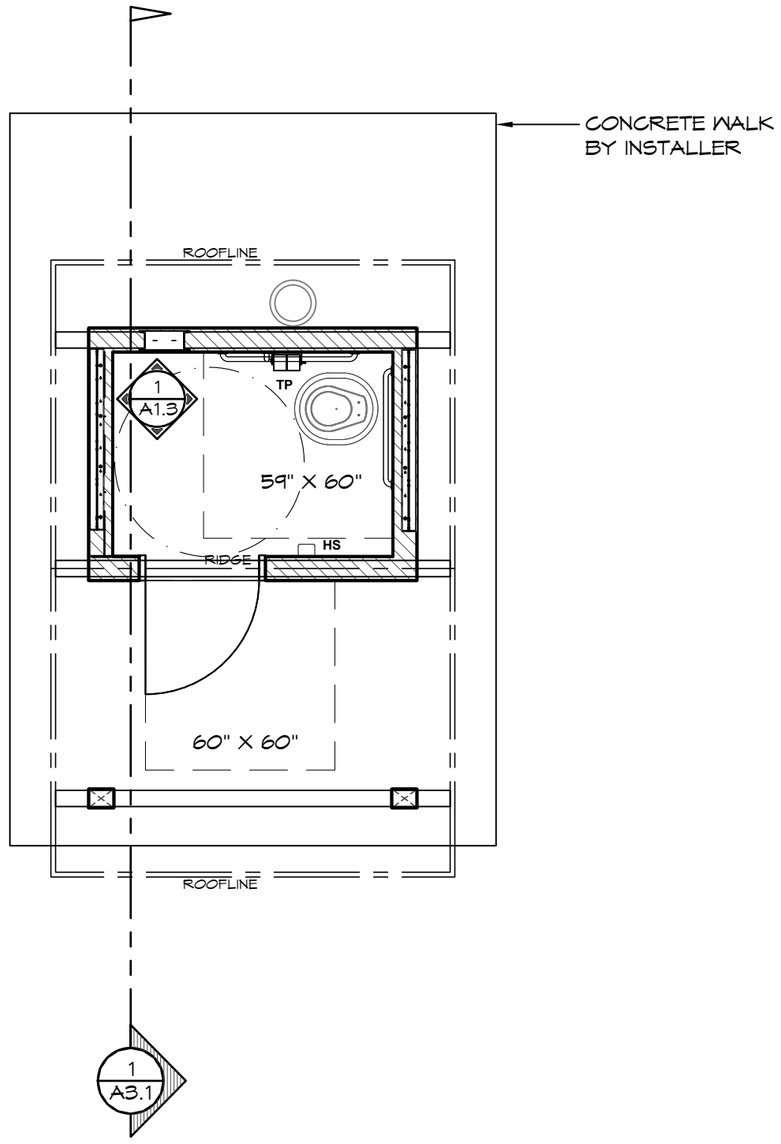
A1.1



1 ADA RESTROOM FIXTURE CLEAR FLOOR AREA

SCALE: 1/4" = 1'-0"

A
D B
C

10/17/2024

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SHEET TITLE: ADA CLEAR SPACE

PROJECT I.D. #
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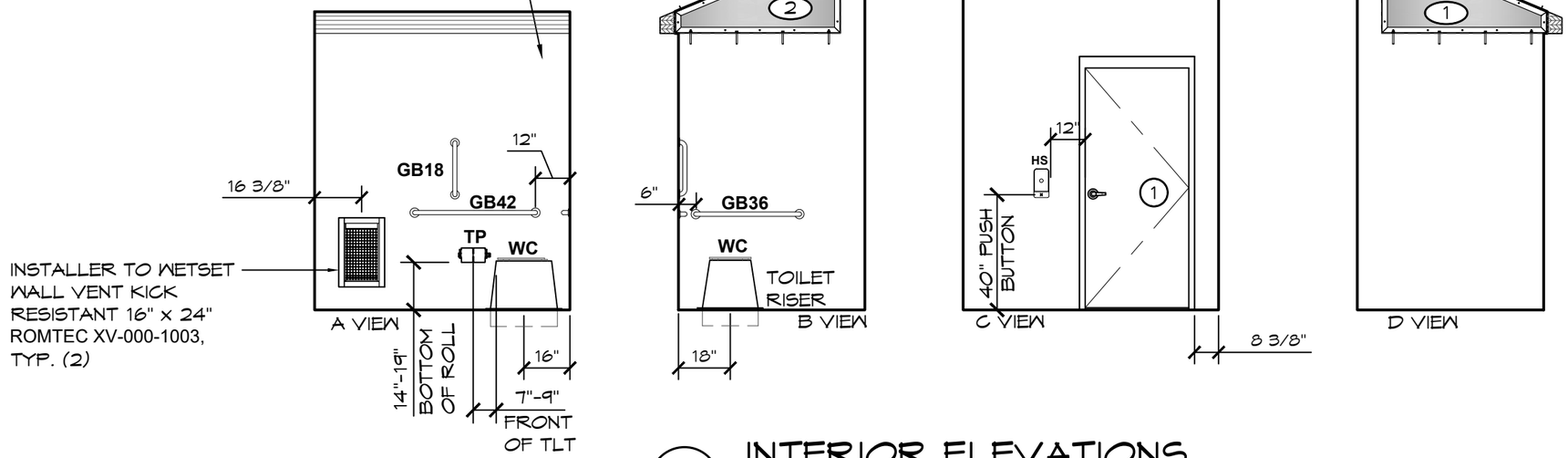
SHEET NO.
A1.2

WALLS AND PARTITIONS WITHIN 2 FEET OF SERVICE SINKS, URINALS AND WATER CLOSETS SHALL HAVE SMOOTH, HARD, NONABSORBENT SURFACE, TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE THE FLOOR OR PER LOCAL CODE

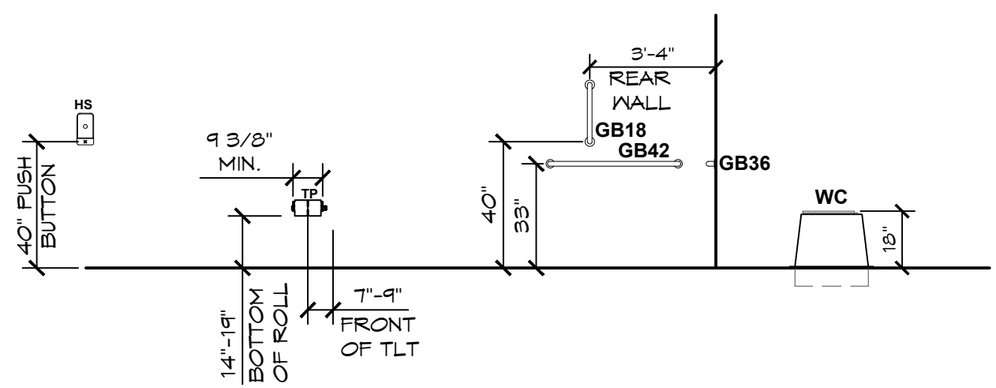
REFER TO SHEET A4.1 FOR FINISH DETAILS

SEE SHEET A6.1 FOR POLYCARBONATE WINDOW SCHEDULE



1 INTERIOR ELEVATIONS

SCALE: 1/4" = 1'-0"



2 ADA RESTROOM FIXTURE MOUNTING HEIGHT SCHEDULE

SCALE: 1/4" = 1'-0"

10/17/2024

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KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: INTERIOR ELEVATIONS
ADA MOUNTING HEIGHT

PROJECT I.D. # KIT01

DATE: 7/29/2019

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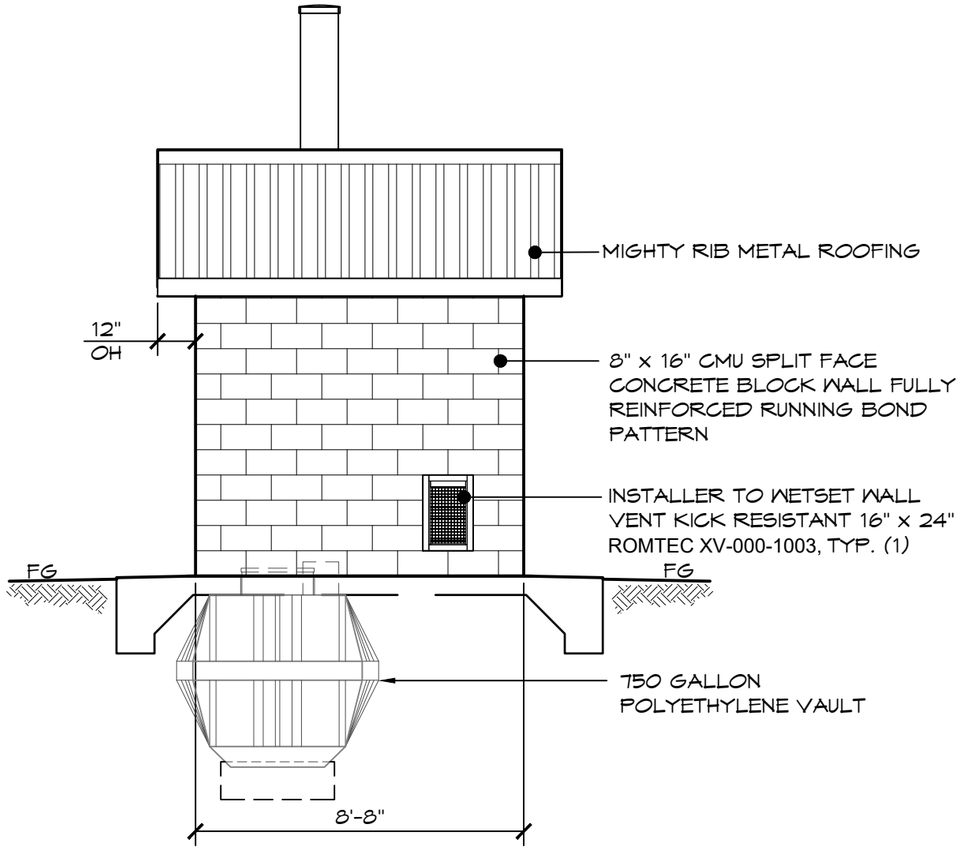
DRAWN BY: TH

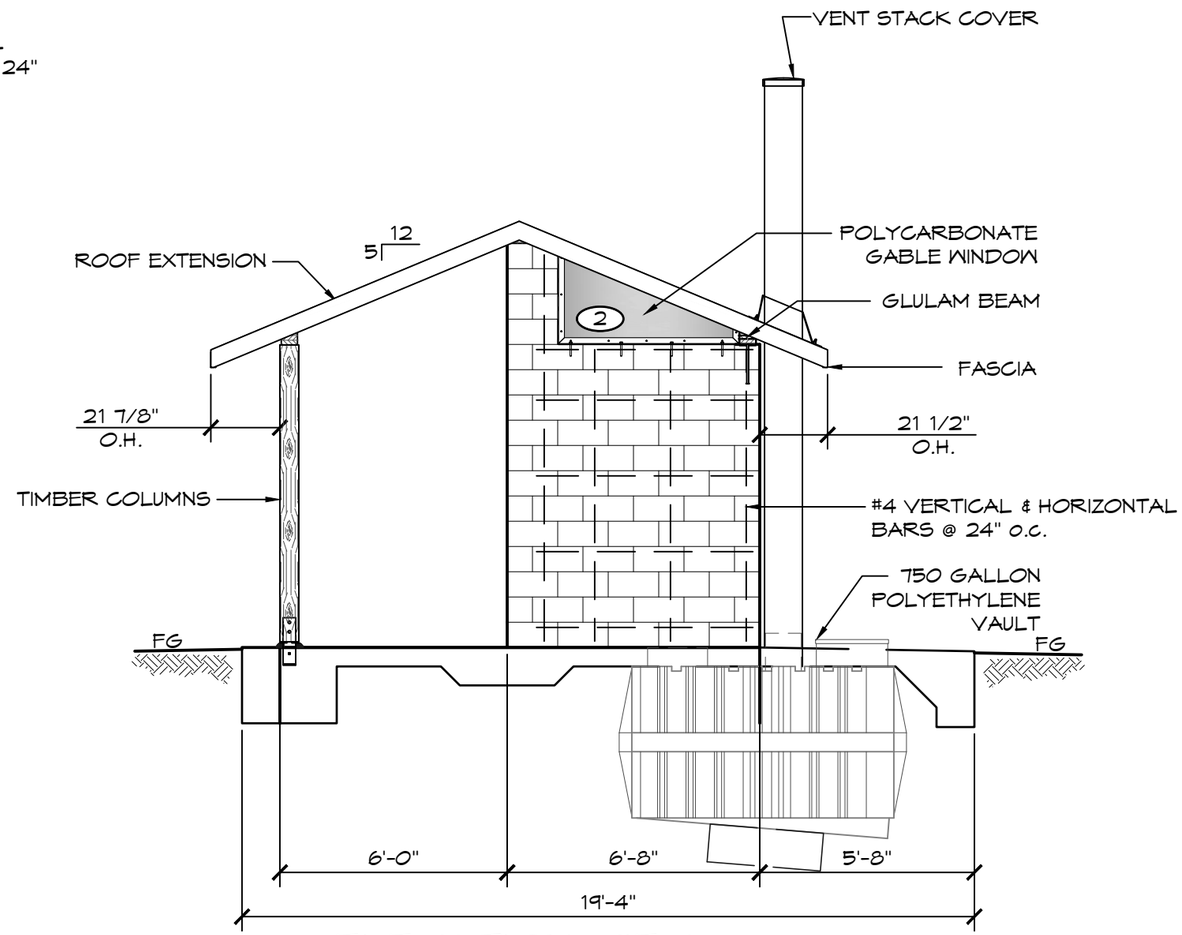
SHEET NO. A1.3

FOR EXTERIOR/INTERIOR FINISH SCHEDULE REFER TO SHEET A4.1



A ELEVATION VIEW

SCALE: 1/4" = 1'-0"



B ELEVATION VIEW

SCALE: 1/4" = 1'-0"

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KITSAP COUNTY, WASHINGTON

SHEET TITLE: EXTERIOR ELEVATIONS

PROJECT I.D. #
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1	08/01/2019	TH

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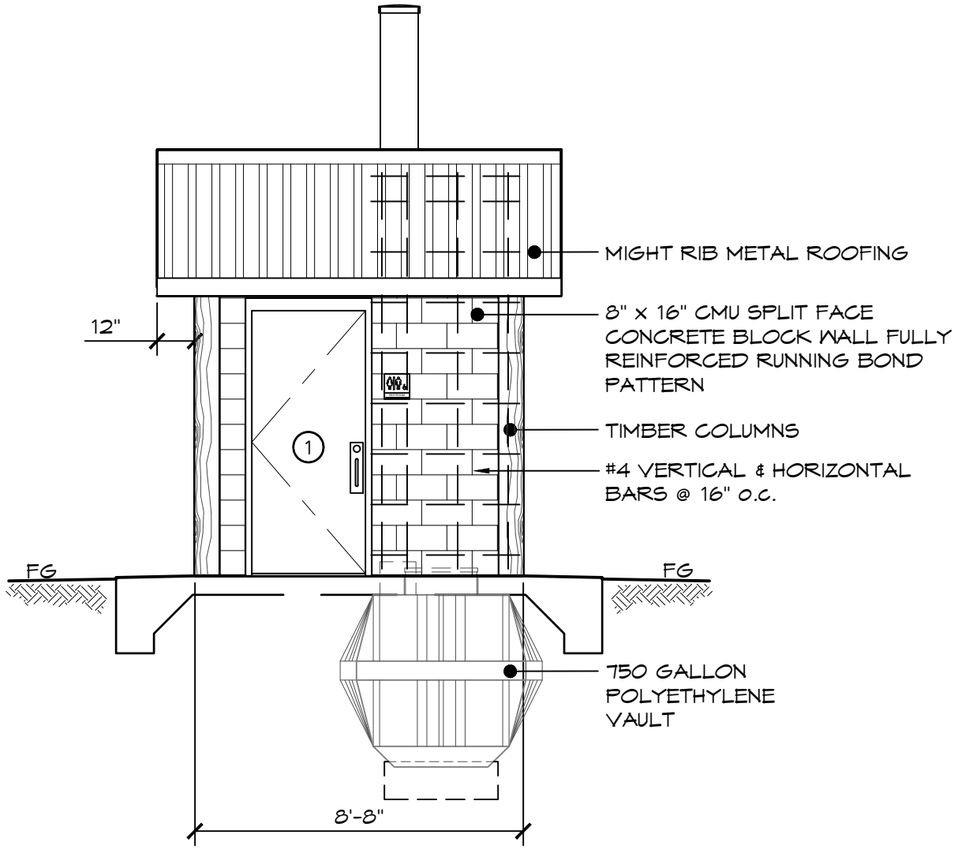
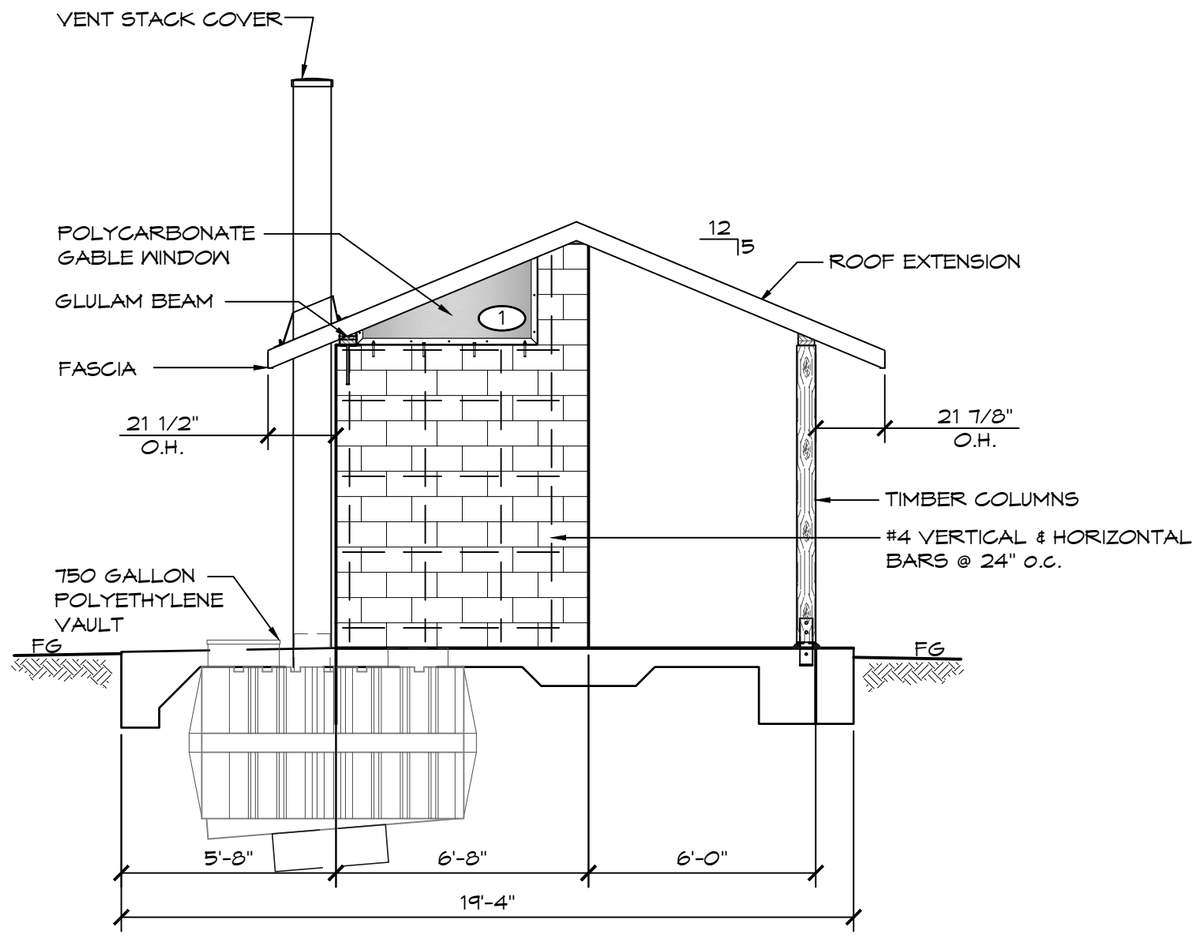
SHEET NO.
A2.1



C ELEVATION VIEW

SCALE: 1/4" = 1'-0"

FOR EXTERIOR/INTERIOR FINISH SCHEDULE REFER TO SHEET A4.1



D ELEVATION VIEW

SCALE: 1/4" = 1'-0"

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KITSAP COUNTY
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KITSAP COUNTY, WASHINGTON

SHEET TITLE: EXTERIOR ELEVATIONS

PROJECT I.D. #
KIT01

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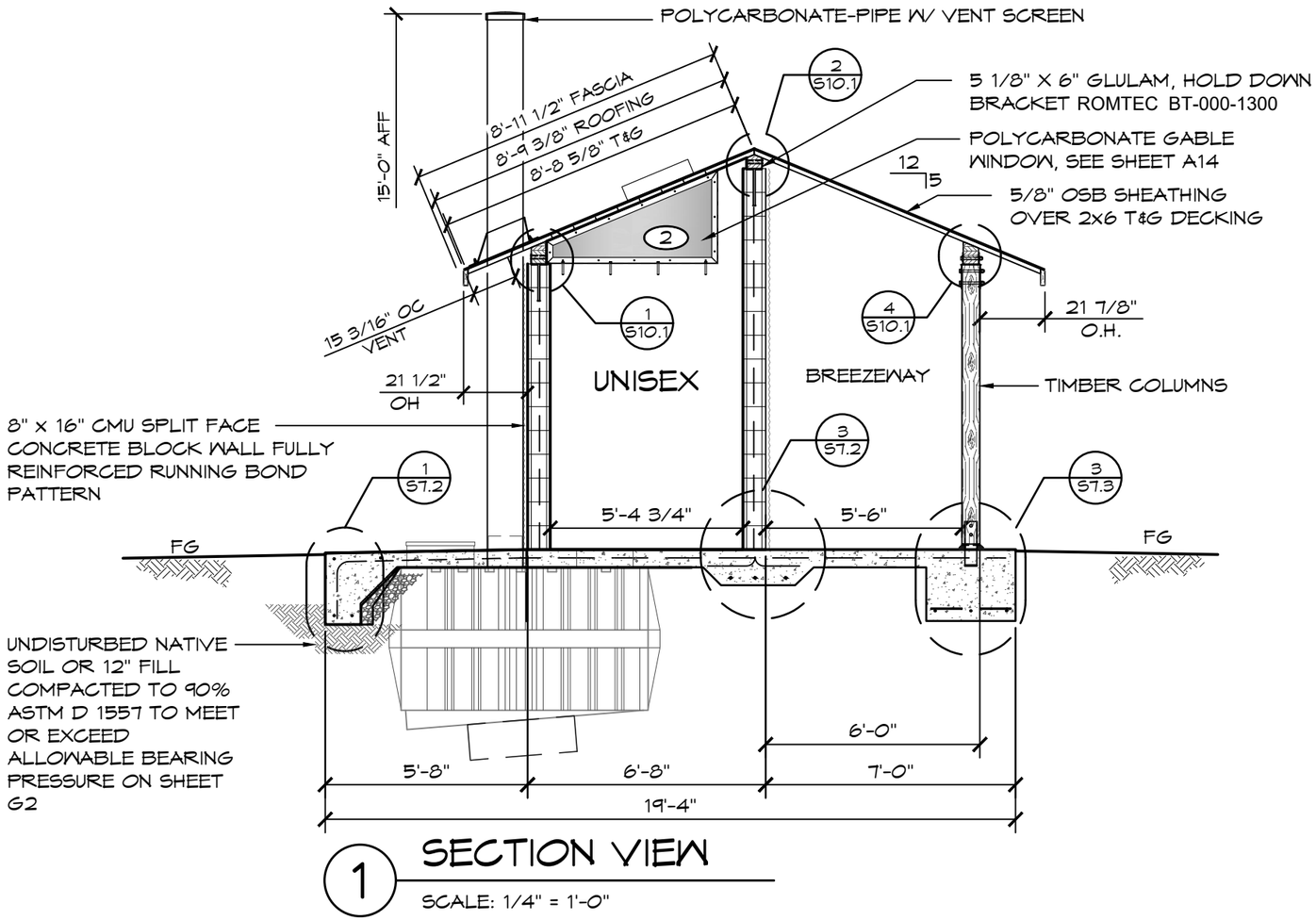
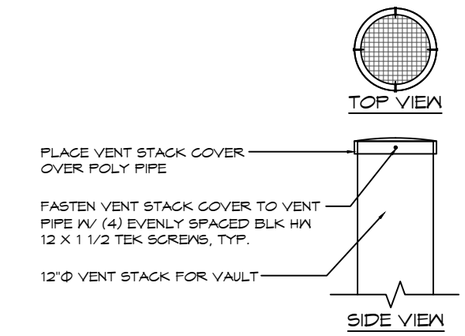
SHEET NO.
A2.2



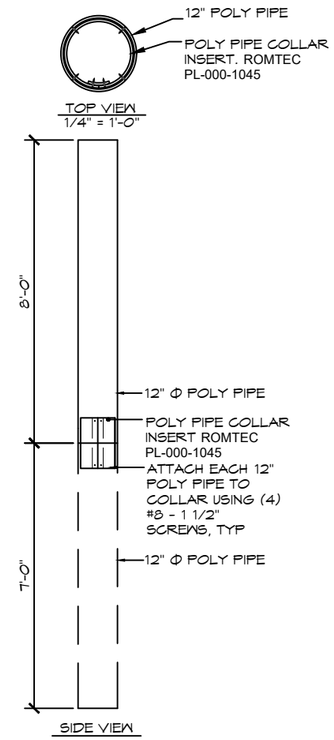
1 SECTION VIEW

SCALE: 1/4" = 1'-0"



2 VENT STACK COVER DETAIL

SCALE: 1/2" = 1'-0"



3 POLY-PIPE CONNECTION

SCALE: 1/4" = 1'-0"

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SHEET TITLE: BUILDING SECTIONS

PROJECT I.D. #
KIT01

DATE:
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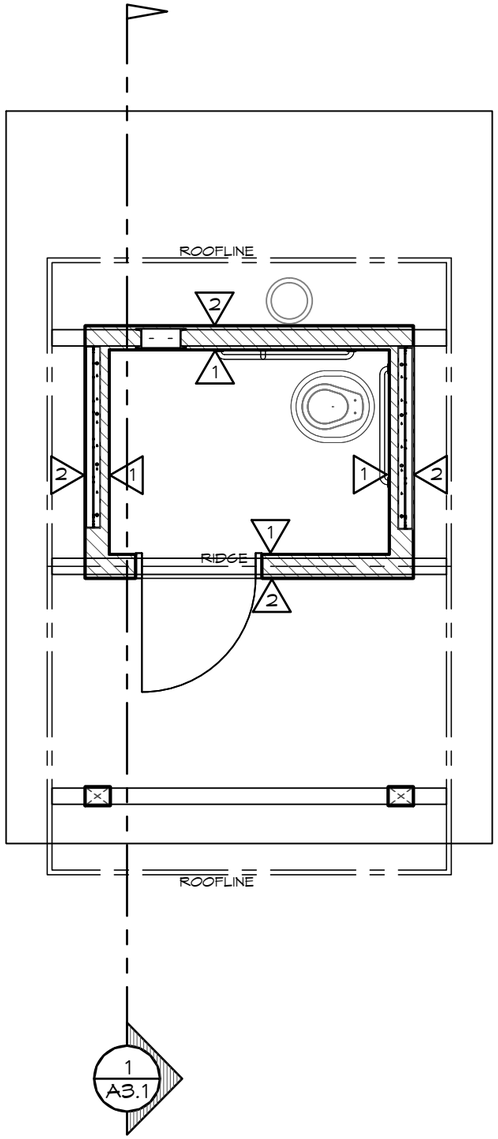
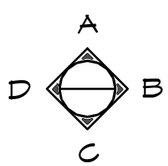
SHEET NO.
A3.1



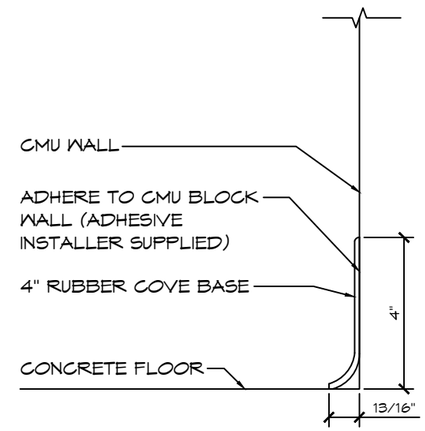
1 WALL FINISH PLAN

SCALE: 1/4" = 1'-0"



FINISH SCHEDULE

NO.	LOCATION	FINISH	DETAIL
1	WALL	PRIMED & (2) COATS OF EPOXY PAINT CMU WALLS FLOOR TO CEILING (INSTALLER SUPPLIED)	
2	WALL	SPLIT FACE CMU WALLS	
	CEILING	2X6 T&G TO BE SEALED WITH CLEAR COAT (INSTALLER SUPPLIED)	
	FLOOR	CONCRETE WITH A WATER BASED CONCRETE SEALER (PROVIDED BY INSTALLER)	
	COVE BASE IN RESTROOMS ONLY	RUBBER COVE BASE	DETAIL 2/A4.1



2 COVE DETAIL

SCALE: 3" = 1'-0"

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PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
KITSAP COUNTY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON
SHEET TITLE: INTERIOR ELEVATIONS

PROJECT I.D. #
KIT01
DATE:
7/29/2019
REVISIONS

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TH

SHEET NO.
A4.1

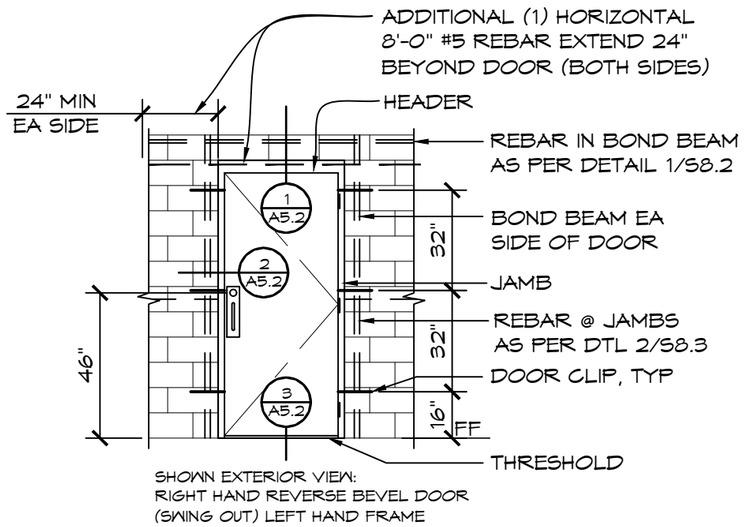
DOOR SCHEDULE

NO.	SIZE (WxHxT)	DOOR	DOOR SWING	FRAME	HARDWARE GROUP	REMARKS
1	36" x 84" x 1 3/4"	SZ18	LEFT HAND REVERSE (SWING OUT)	F16 RIGHT HAND	DO-1	POLYSTYRENE CORE DOOR - FACTORY PRIMED (INSTALLER TO PAINT ONSITE)

DOOR HARDWARE SCHEDULE (QTYS PER DOOR)

GROUP DO-1	
3	EACH HINGE 4.5" x 4.5" S.S. (NRP)
1	HEAVY DUTY DOOR CLOSER, (USE THRU BOLT ANCHORING OPTION)
1	EACH LOCK, (DORMITORY) CYLINDER DEADLOCK, SATIN FINISH, W/ THUMB-TURN & SCHLAGE C KEYWAY
2	PULL PLATE, 4" X 16" (BEVELED STAINLESS STEEL)
2	PULL HANDLE, 8" CENTER (STAINLESS STEEL FINISH)
6	WIRE DOOR CLIPS

NOTE: ALL DOORS MAY BE OPENED FROM THE INSIDE W/O KEY, SPECIAL KNOWLEDGE, OR EFFORT. 5# MAX OPENING EFFORT DOOR IS EQUIPPED W/ SINGLE-EFFORT, NON-GRASP HARDWARE. DOOR COMPLIES WITH ADA REQUIREMENT FOR AN INSIDE LOCK.



1 DOOR DETAILS

SCALE: 1/4" = 1'-0"

10/17/2024

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PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
KITSAP COUNTY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: DOOR SCHEDULE

PROJECT I.D. # KIT01

DATE: 7/29/2019

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REV.	DATE:	BY
2	08/27/2019	TH

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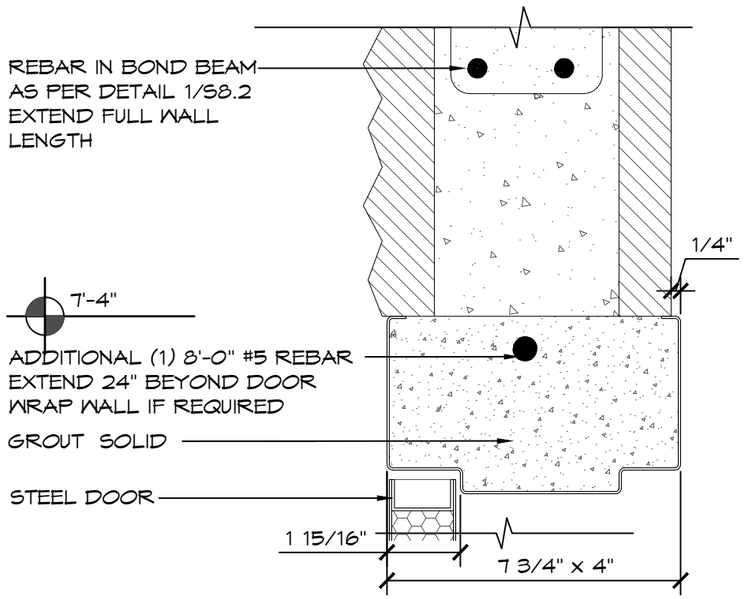
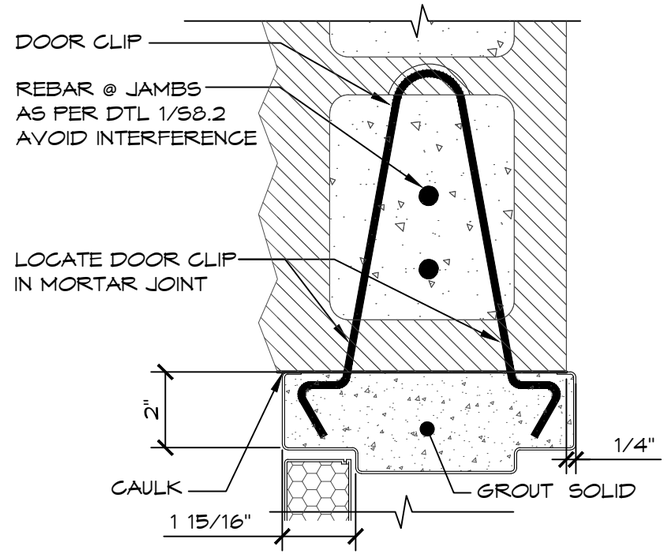


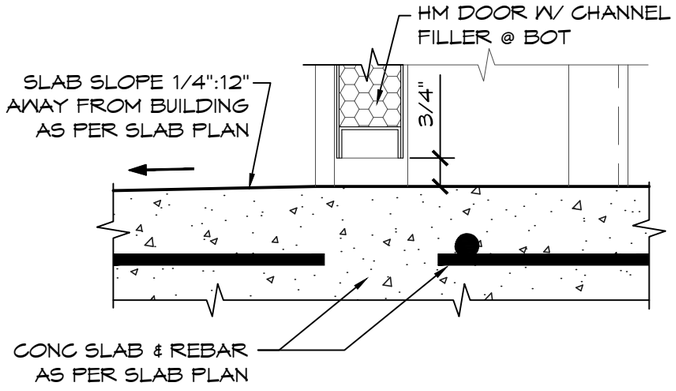
1 HEADER DETAIL

SCALE: 3" = 1'-0"



2 JAM DETAIL

SCALE: 3" = 1'-0"



3 THRESHOLD DETAIL

SCALE: 3" = 1'-0"

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PROJECT: 1011 SST ASPEN SINGLE MATERLESS RR W/ ENTRY
KITSAP COUNTY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: DOOR DETAILS

PROJECT I.D. #
KIT01

DATE:
7/29/2019

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TH

SHEET NO.
A5.2

WINDOW SCHEDULE

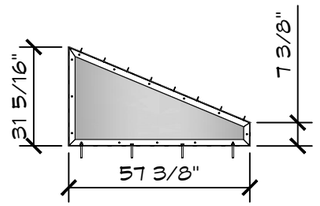
SYM	SIZE	INSIDE INSERT	SLOPE	ANCHORS SILL	ANCHORS	ANCHORS HYP		
1	57 3/8" x 31 5/16" x 7 3/8"	POLYCARBONATE	5:12	4		8	ROMTEC XW-050-1001 OPP OF SHOWN	SEE SHEET A6.2
2	57 3/8" x 31 5/16" x 7 3/8"	POLYCARBONATE	5:12	4		8	ROMTEC XW-050-1001	SEE SHEET A6.2

HARDWARE

QTY PER WINDOW

8 #12 x 1 1/2" WOOD SCREW

4 1/2" x 4" TITEN HD SCREW



NOTE: DURING THE CONSTRUCTION PROCESS IT IS COMMON FOR SMALL GAPS TO APPEAR IN ANY NUMBER OF PLACES. ROMTEC DOES NOT PROVIDE CAULK OR ANY OTHER MATERIAL TO FILL THESE SMALL GAPS UNLESS IT IS SPECIFIED IN OUR SUBMITTAL

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PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
KITSAP COUNTY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: WINDOW SCHEDULE

PROJECT I.D. #
KIT01

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7/29/2019

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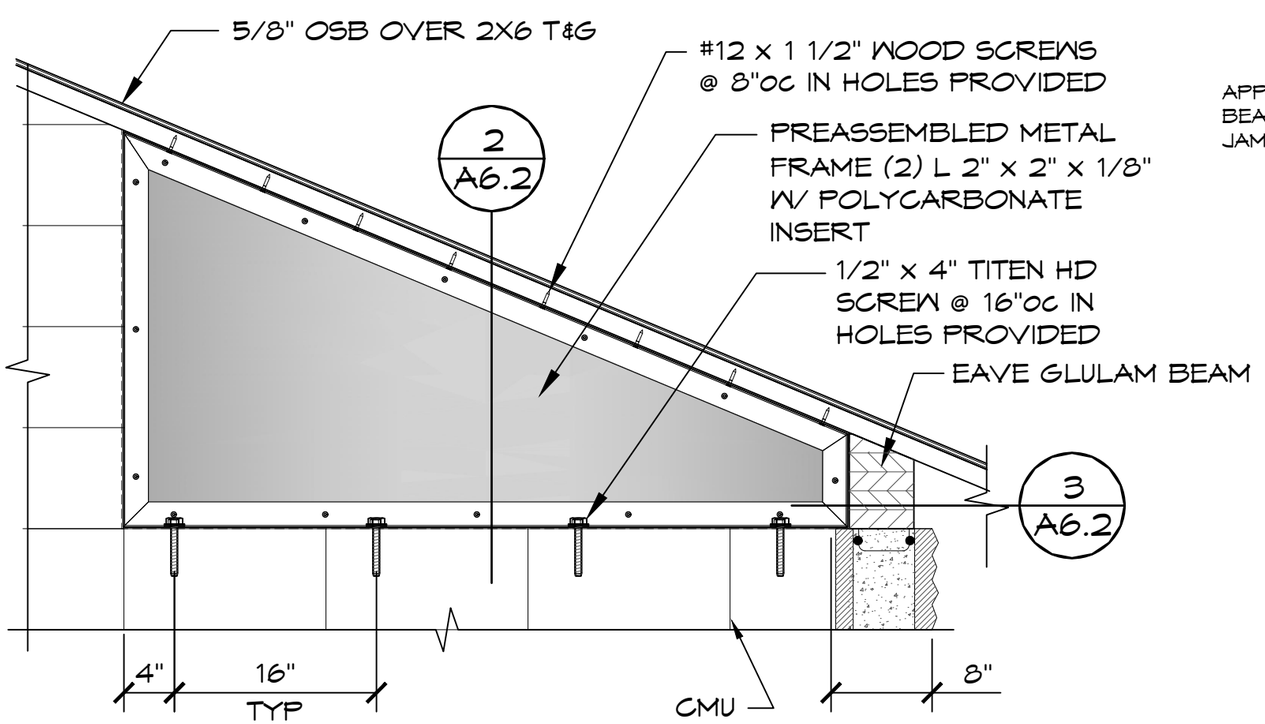
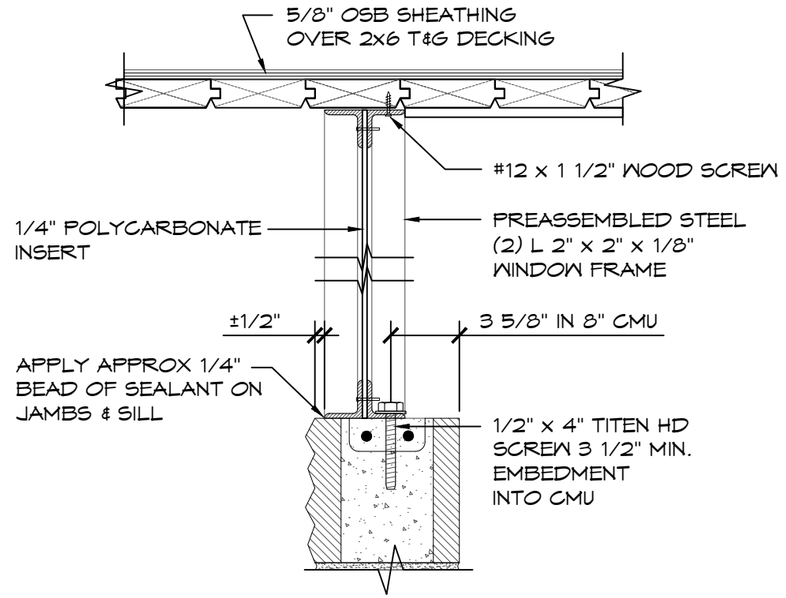
A6.1



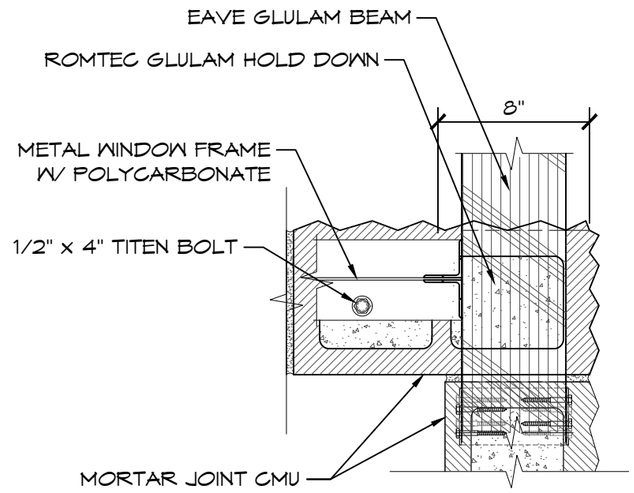
1 WINDOW DETAIL

SCALE: 1" = 1'-0"



2 WINDOW SECTION

SCALE: 1 1/2" = 1'-0"



3 WINDOW CORNER DETAIL

SCALE: 1 1/2" = 1'-0"

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PROJECT: 1011 SST ASPEN SINGLE MATERLESS RR W/ ENTRY
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SHEET TITLE: GABLE VENT DETAIL

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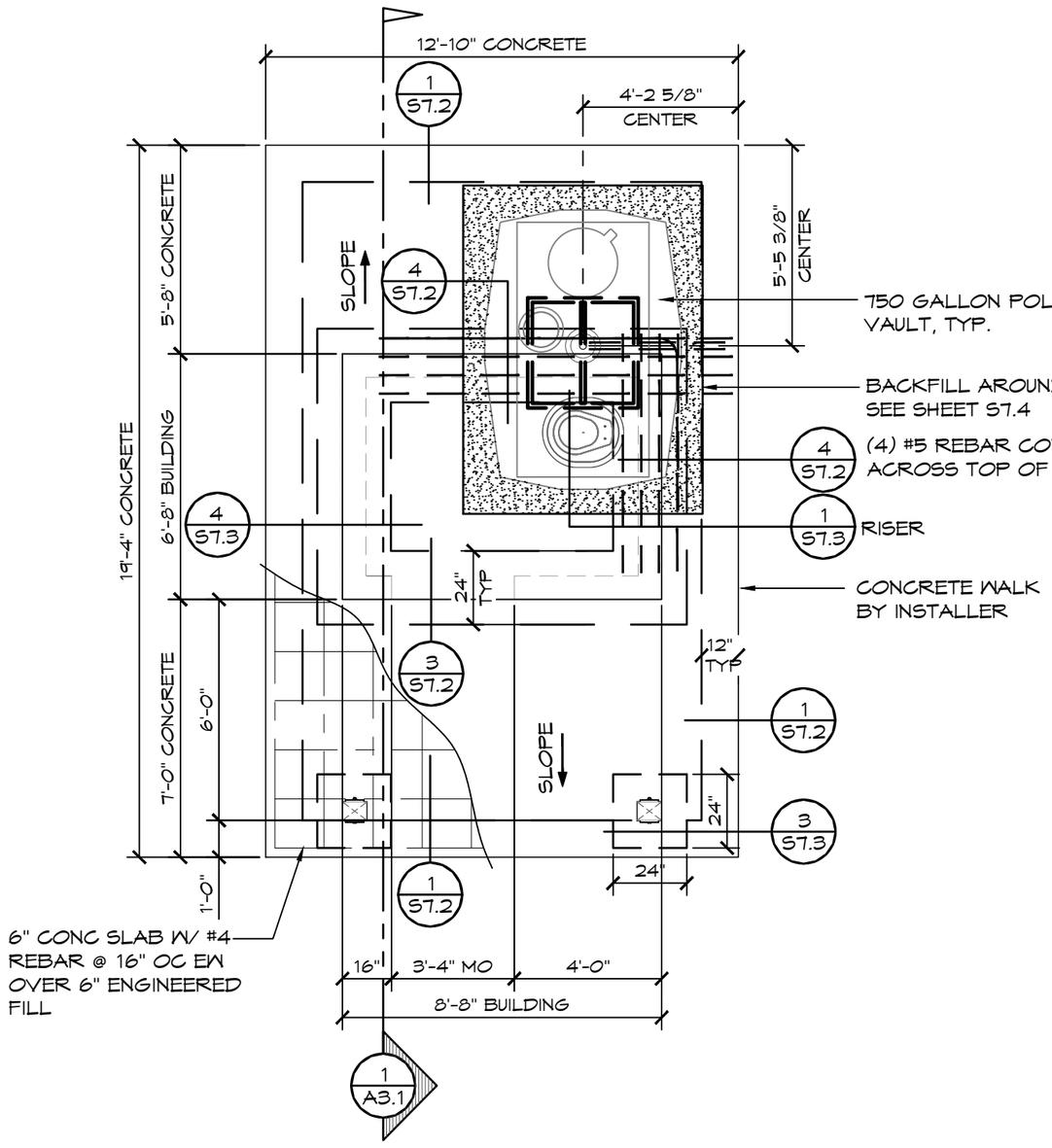

1 FOUNDATION PLAN

SCALE: 1/4" = 1'-0"

FINISH SLAB WITH A WATER BASED CONCRETE SEALER (PROVIDED BY INSTALLER)

RECYCLE

RECYCLE ALL USED SHIPPING MATERIALS AND LEFT OVER BUILDING MATERIALS

NOTES:

1. FINISH FLOOR SLOPE IS 2% (1/4" PER FT) MAX & 1% (1/8" PER FT) MIN
2. VERIFY SIDEWALKS W/ OWNER
3. PROVIDE BLOCKOUTS FOR PLUMBING, MECHANICAL, & ELECTRICAL AS REQD. CO-ORDINATE W/ SUBS.
4. CONSOLIDATE GROUT AT THE TIME OF PLACEMENT. CONSOLIDATE POURS EXCEEDING 12 IN. IN HEIGHT BY MECHANICAL VIBRATION, AND RECONSOLIDATE BY MECHANICAL VIBRATION AFTER INITIAL WATER LOSS AND SETTLEMENT HAS OCCURRED. CONSOLIDATION AND RECONSOLIDATION ARE NORMALLY ACHIEVED WITH A MECHANICAL VIBRATOR. A LOW VELOCITY VIBRATOR WITH A 3/4 IN. HEAD IS USED.
5. GROUT SLUMP IS TO BE BEWTEEN 8" AND 11".
6. REBAR MIN. BEND SHALL BE NOT LESS THAN 6db INSIDE DIA. AS PER ACI 318 SECTION 7.2
7. SAW JOINTS BY CONTRACTOR. SLAB APPEARANCE IS A PRIORITY. LOCATE JOINTS AT 10' O.C. MAX. SEE 2/S5.2.
8. MAXIMUM SLOPE OF EXCAVATION MAY BE LIMITED BY LOCAL SOIL CONDITIONS. INCREASE DEPTH OF FORMED CONCRETE AS REQD.
9. CONCRETE SLAB BENEATH FLOOR MOUNTED FIXTURES IS TO BE GROUTED LEVEL AND SMOOTH.
10. UNDER FOOTINGS: UNDISTURBED NATIVE SOIL OR 12" FILL COMPACTED TO 90% ASTM D 1557 TO MEET OR EXCEED ALLOWABLE BEAR PRESSURE ON SHEET G2.

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KITSAP COUNTY, WASHINGTON
SHEET TITLE: FOUNDATION PLAN

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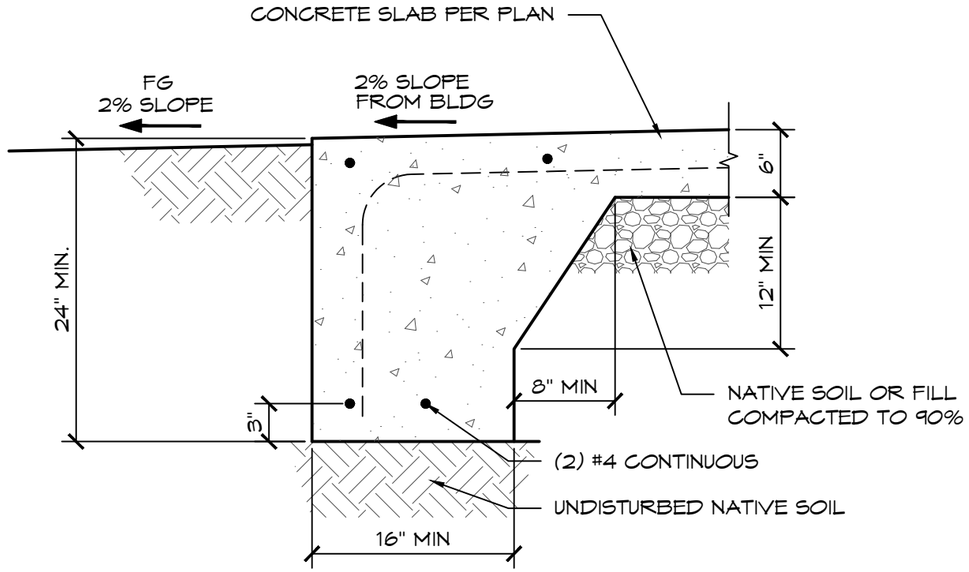
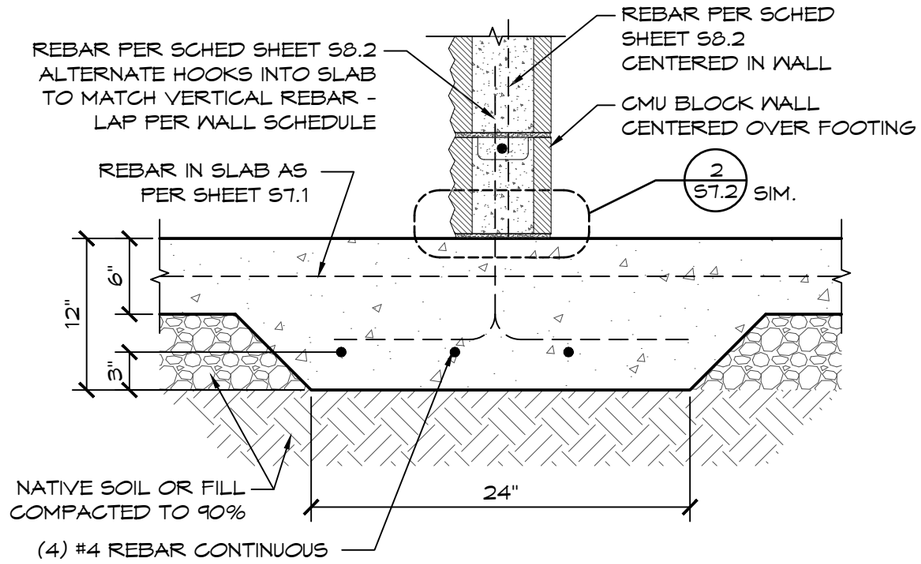


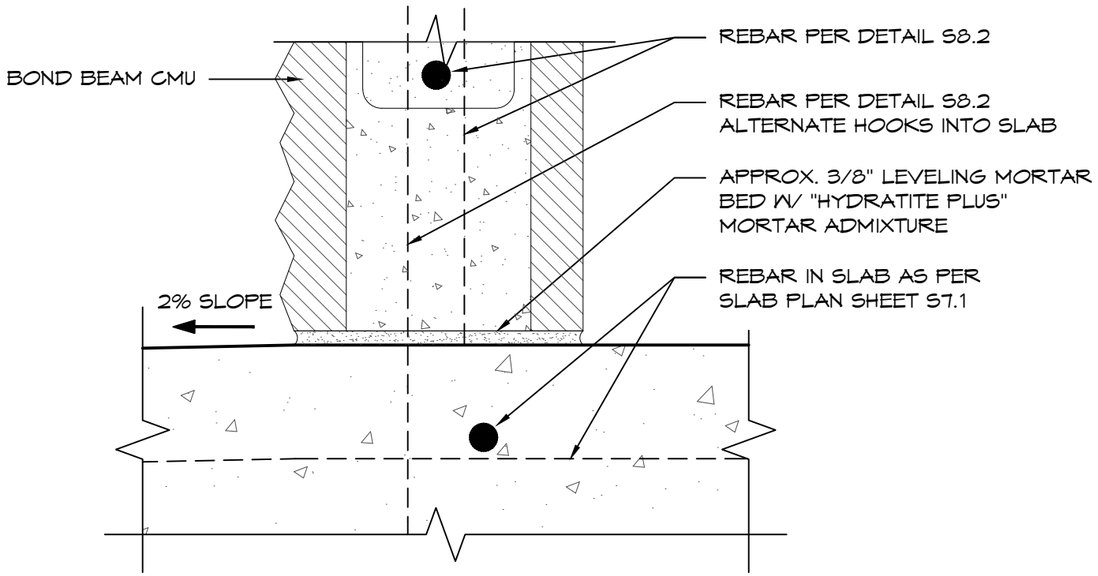
1 FOUNDATION DETAIL

SCALE: 1" = 1'-0"



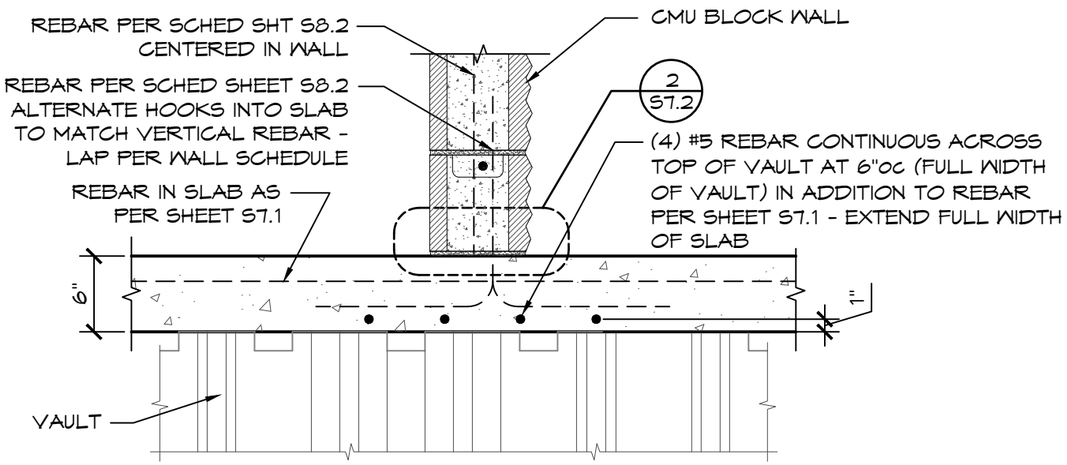
3 THICKENED SLAB AT WALLS

SCALE: 1" = 1'-0"



2 WALL-SLAB CONNECTION

SCALE: 3" = 1'-0"



4 REBAR OVER VAULT

SCALE: 1" = 1'-0"

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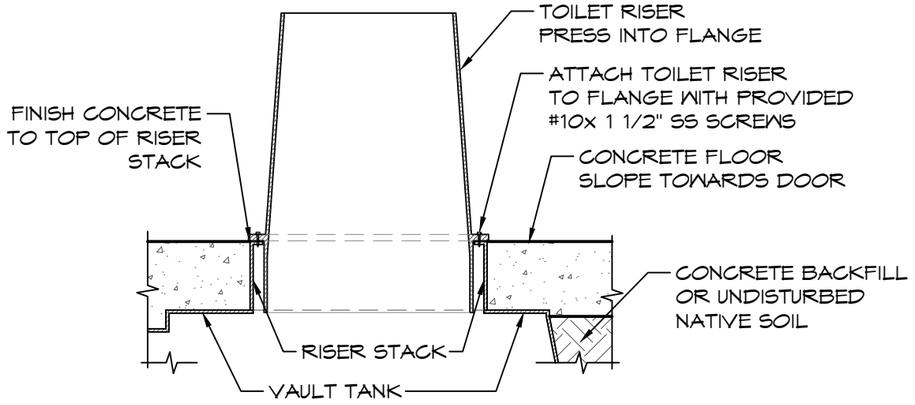
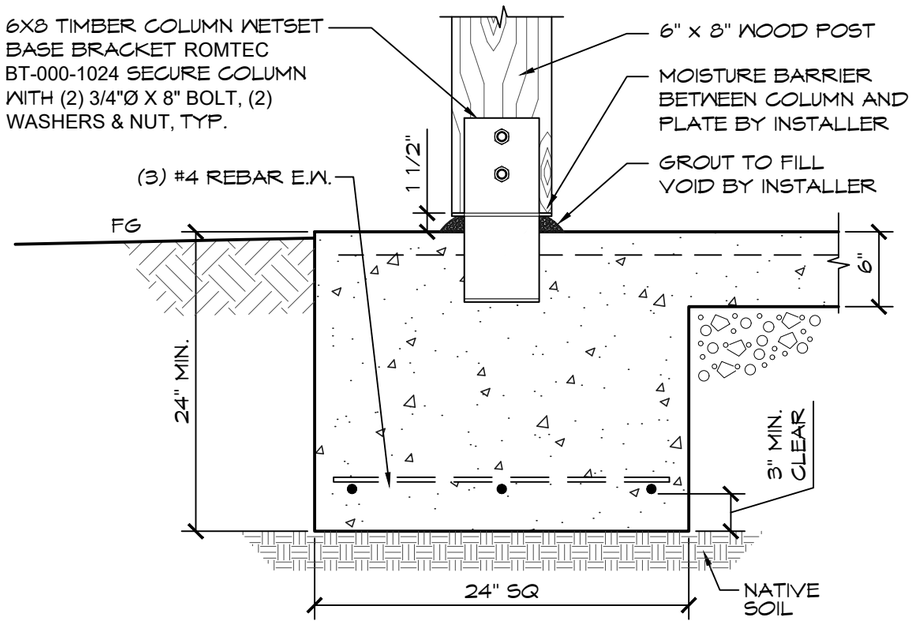


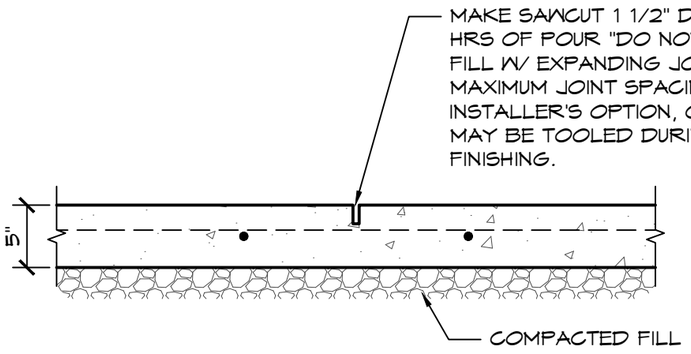
1 RISER/CONCRETE DETAIL

SCALE: 1" = 1'-0"



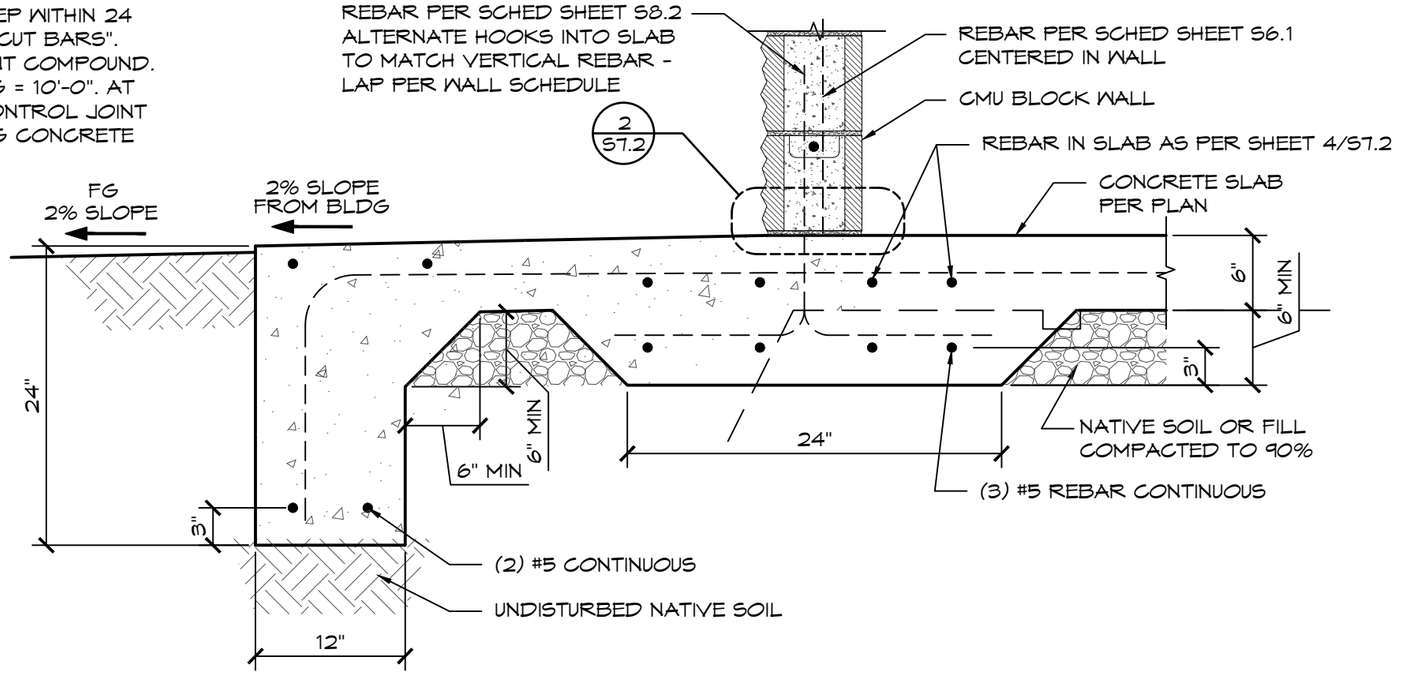
3 POST FOOTING DETAIL

SCALE: 1" = 1'-0"



2 SAWCUT JOINT

SCALE: 1" = 1'-0"



4 FOUNDATION & THICKENED SLAB DETAIL

SCALE: 1" = 1'-0"

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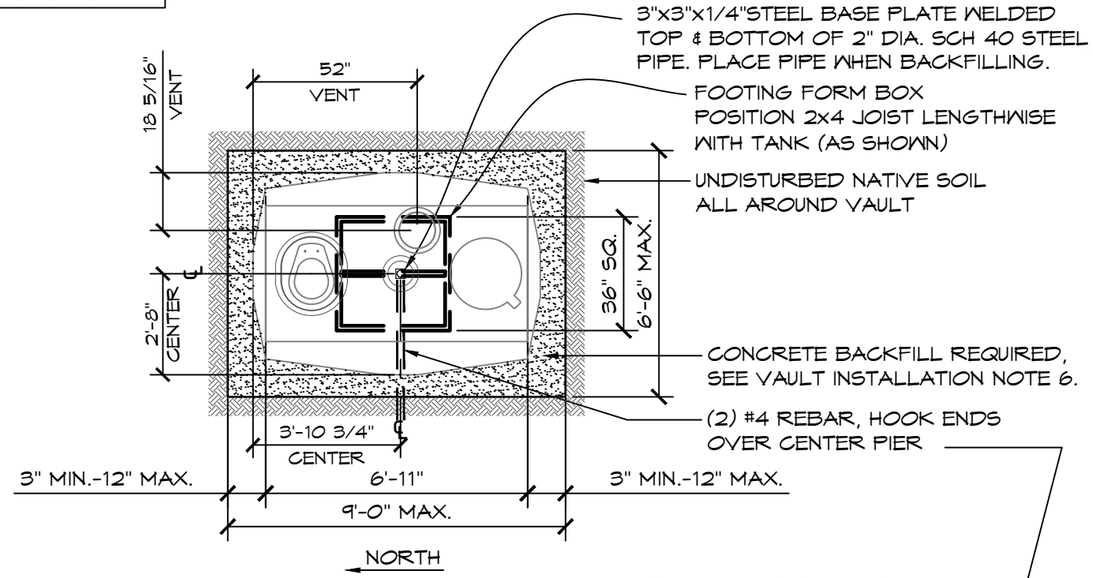
S7.3

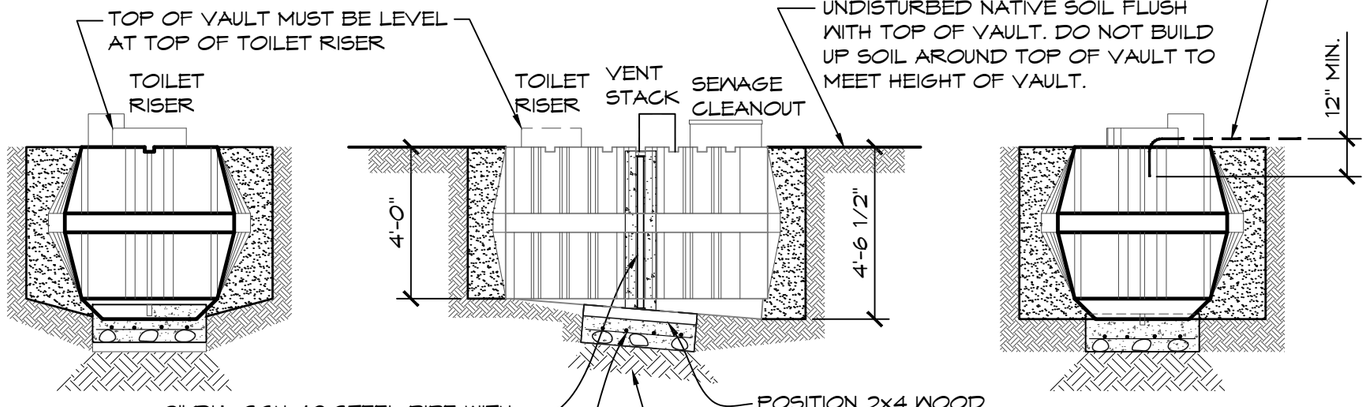
VAULT INSTALLATION NOTES:

1) VAULT MUST BE INSPECTED FOR DAMAGE DURING SHIPPING BEFORE INSTALLATION.
2) VAULT HOLE MUST NOT BE OVERSIZED.
3) DO NOT DIG VAULT HOLE DEEPER THAN SHOWN. (ANY UN-COMPACTED FILL AT BOTTOM OF VAULT CAN COMPACT AND CAUSE DAMAGE TO VAULT)
4) DO NOT BUILD UP SOIL AROUND TOP OF VAULT TO MEET HEIGHT OF VAULT. IF THAT IS THE CASE THE DIFFERENCE MUST BE MADE UP WITH MAKING THE CONCRETE SLAB THICKER.
5) IF OVERSIZE HOLE REQUIRED FOR REMOVAL OF BOULDERS OR OTHER MATERIAL, HOLE MUST BE FILLED WITH CONCRETE.
6) BACKFILL W/ CONCRETE AROUND VAULT AREA IN 12" INCREMENTS AND CHECK TOILET RISER LEVEL AS BACKFILLING.

NOTE:
2500 PSI CONCRETE BACKFILL. SHALL BE USED AS BACKFILL AROUND VAULT, SEE GENERAL NOTES ON SHEET G1 FOR ADDITIONAL REQUIREMENTS.

REQUIREMENT:
FILL VAULT 2/3 FULL WITH WATER BEFORE POURING CONCRETE BACKFILL



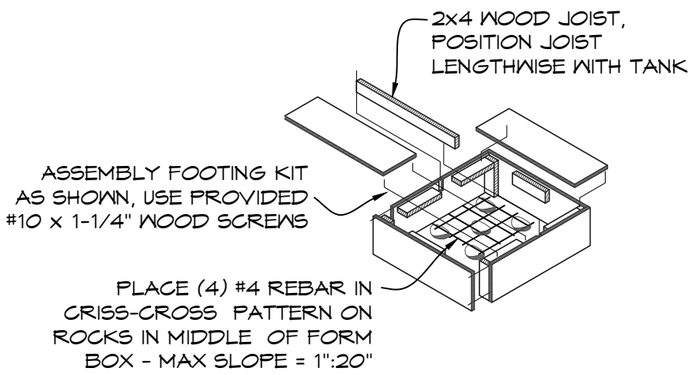


1 750 GAL. VAULT INSTALLATION

SCALE: 1/4" = 1'-0"

ASSEMBLE FOOTING KIT AS SHOWN

- 8 PIECES OF PRECUT REBAR LAID IN CRISS CROSS PATTERN ON ROCKS IN MIDDLE OF FORM BOX
- EACH FOOTING FORM REQUIRES 1/3 CU. YD. OF READY MIX CONCRETE.
- 36" x 36" x 12" FORM BOX.



2 FOOTING FORM BOX

SCALE: 1/4" = 1'-0"

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PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON
SHEET TITLE: VAULT INSTALLATION DETAILS

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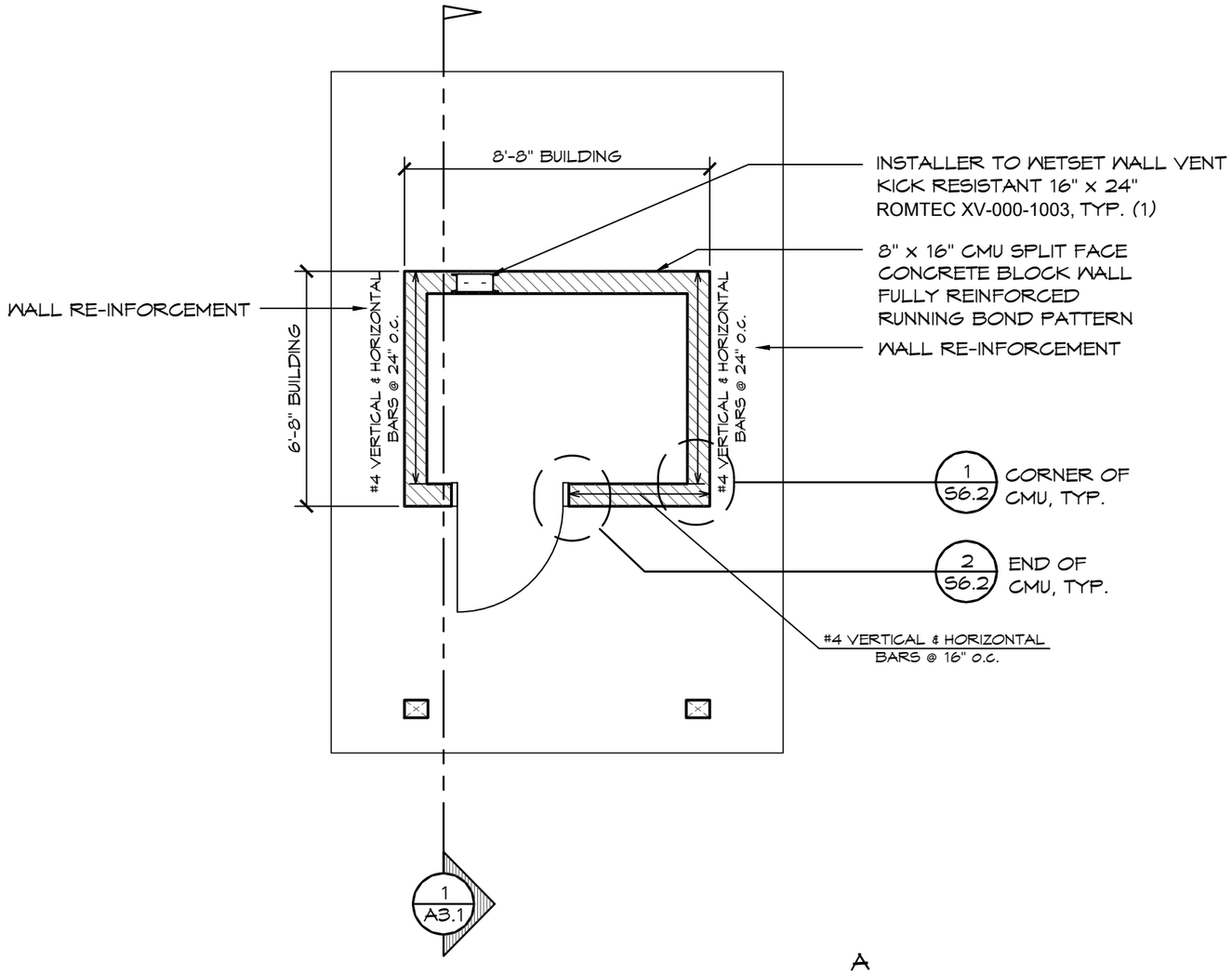
WALL TYPE SCHEDULE

8" REINFORCED CONCRETE MASONRY BLOCK WALL WITH MORTAR JOINTS, GROUTED SOLID ALL CELLS RUNNING BOND PATTERN.

NOTE:
FIXTURES AND ACCESSORIES ARE DIMENSIONED ON A1.3 SHEETS



1 STRUCTURAL CMU PLAN

SCALE: 1/4" = 1'-0"

A
D B
C

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PROJECT: 1011 1ST ASPEN SINGLE WATERLESS RR W/ ENTRY
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SHEET TITLE: STRUCTURAL CMU PLAN

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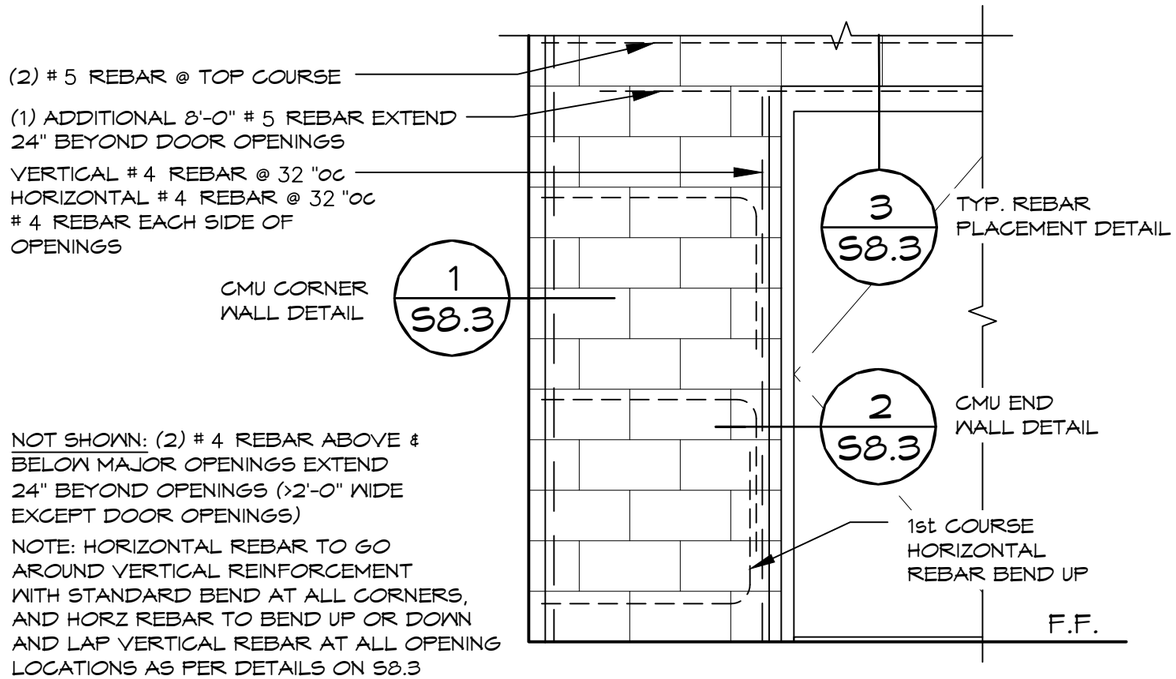

NOT SHOWN: (2) # 4 REBAR ABOVE & BELOW MAJOR OPENINGS EXTEND 24" BEYOND OPENINGS (>2'-0" WIDE EXCEPT DOOR OPENINGS)

NOTE: HORIZONTAL REBAR TO GO AROUND VERTICAL REINFORCEMENT WITH STANDARD BEND AT ALL CORNERS, AND HORZ REBAR TO BEND UP OR DOWN AND LAP VERTICAL REBAR AT ALL OPENING LOCATIONS AS PER DETAILS ON S8.3

1 CMU REBAR LAYOUT DETAIL

SCALE: 1/2" = 1'-0"

CMU REBAR SCHEDULE		
REBAR	MIN. LAP	BEND RAD.
#4	24"	3" MIN.
#5	30"	3-3/4" MIN.

CMU REBAR NOTES:
- BENDS: MIN. INSIDE BEND RADIUS SHALL BE NOT LESS THAN 6d AS PER ACI 530-08 SECTION 1.15.6
- SPLICES: LAP SPLICES ARE PERMITTED AS PER ACI 530-08 SECTION 2.1.9.7

PIPES INSTALLED THROUGH CMU WALL NOTES:
- SUPPLY: THE FIXTURE SUPPLY LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE AND THE PORTION OF PIPE LOCATED IN CMU WALL SHALL BE WRAPPED WITH 10MIL BLACK TAPE
- WASTE PIPE: THE FIXTURE WASTE LINE SHOULD BE BORED A 1/2" LARGER THAN REQUIRED LINE SIZE.

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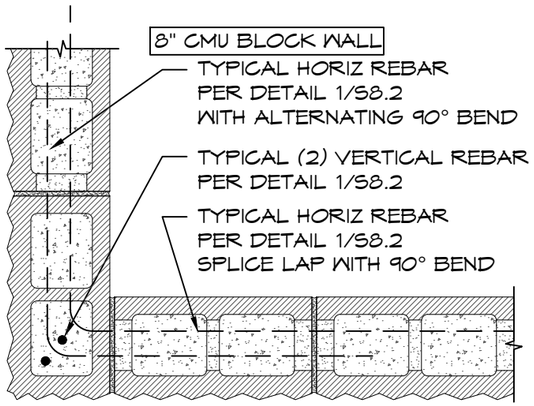
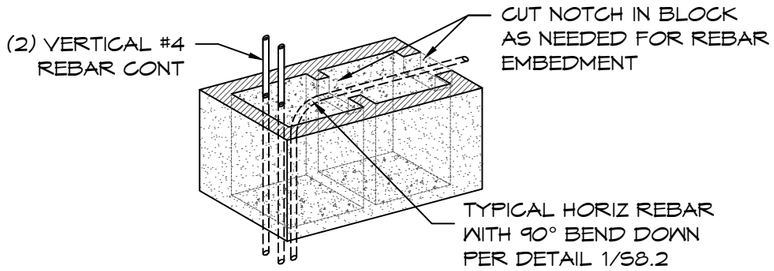


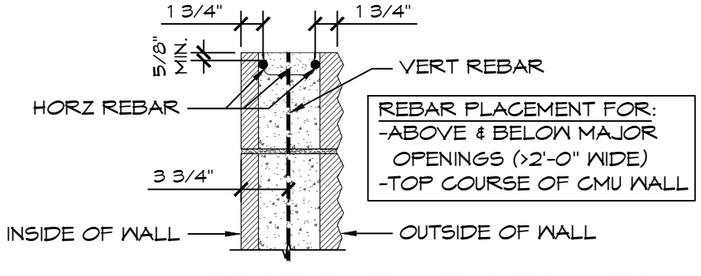
1 MORTAR JOINT CMU CORNER DETAIL

SCALE: 1" = 1'-0"



2 MORTAR JOINT CMU WALL END DETAIL

SCALE: 1" = 1'-0"



NOTE: REBAR INSTALLED AS PER ACI 530-11

3 8" CMU REBAR PLACEMENT

SCALE: 1" = 1'-0"

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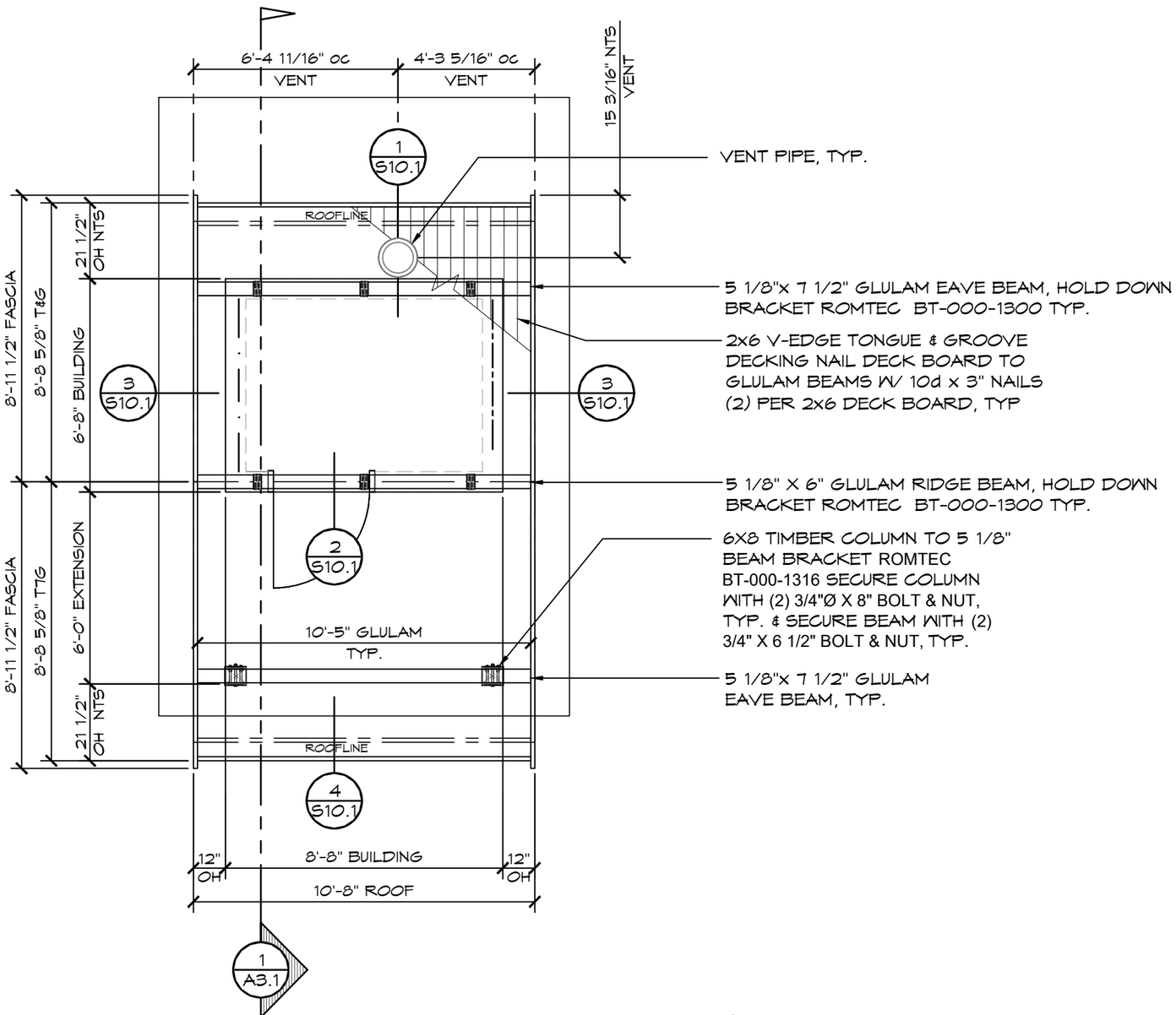
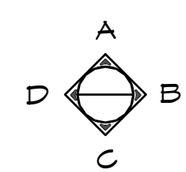
NOTE: ALL EXPOSED WOOD TO BE SEALED WITH INSTALLER SUPPLIED CLEAR COAT FINISH APPLIED ONSITE BY INSTALLER



1 ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"



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KITSAP COUNTY, WASHINGTON

SHEET TITLE: ROOF FRAMING PLAN

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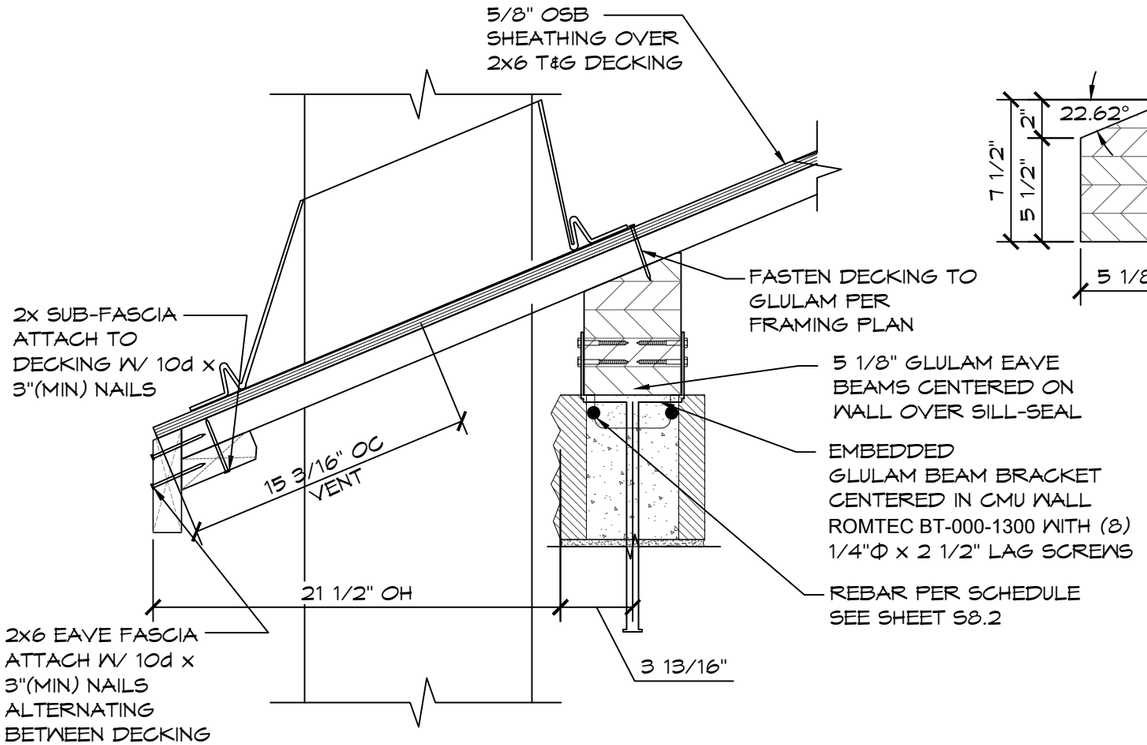
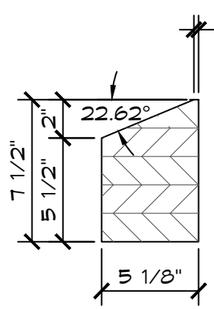
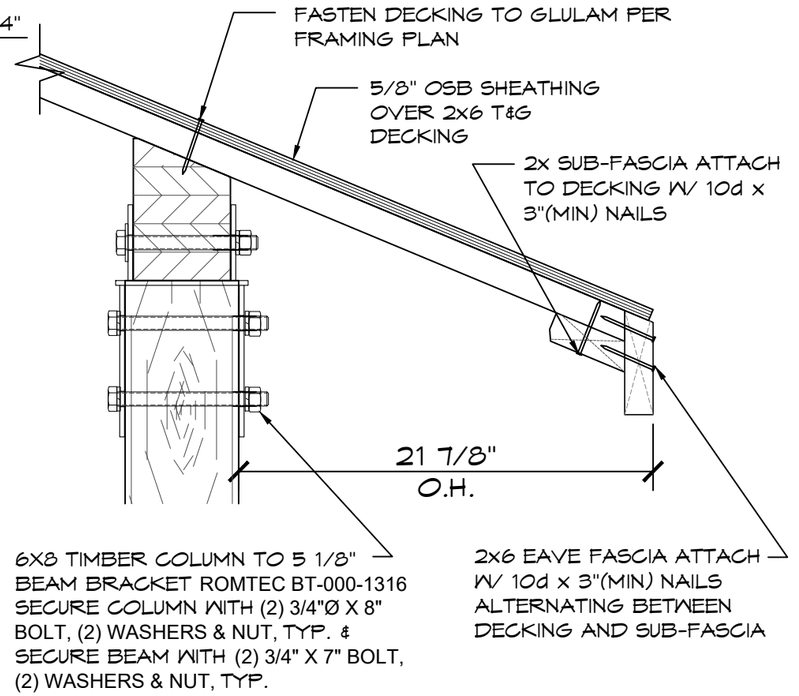
SHEET NO.
S9.1



1 EAVE CONNECTION (BUILDING)

SCALE: 1 1/2" = 1'-0"

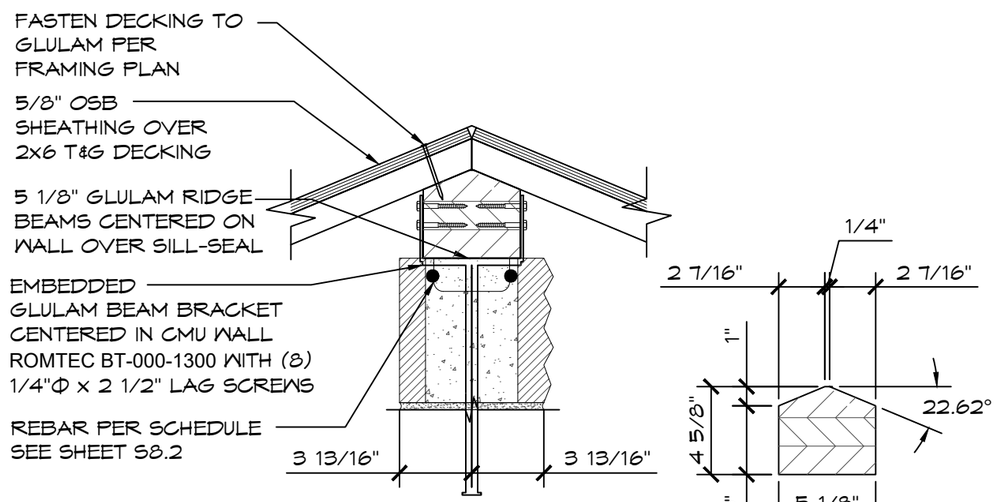




4 EAVE CONNECTION (EXTENSION)

SCALE: 1 1/2" = 1'-0"

NOTE: DURING THE CONSTRUCTION PROCESS IT IS COMMON FOR SMALL GAPS TO APPEAR IN ANY NUMBER OF PLACES. ROMTEC DOES NOT PROVIDE CAULK OR ANY OTHER MATERIAL TO FILL THESE SMALL GAPS UNLESS IT IS SPECIFIED IN OUR SUBMITTAL



2 RIDGE CONNECTION

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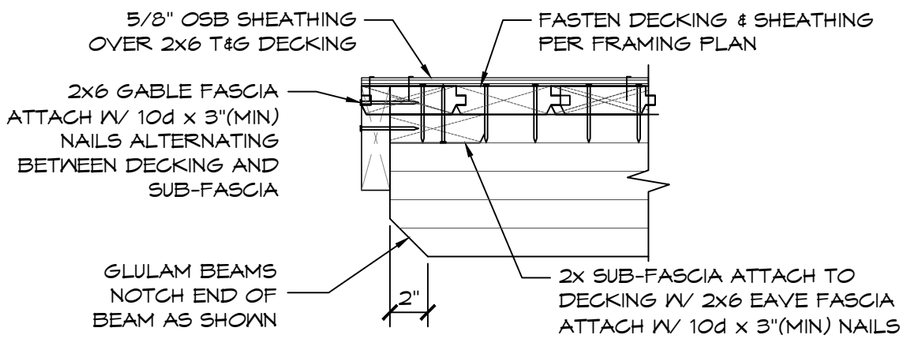

3 GABLE EAVE DETAIL, TYP

SCALE: 1 1/2" = 1'-0"

10/17/2024

NABIL M TAMIMI — STATE OF WASHINGTON — 41133 — REGISTERED PROFESSIONAL ENGINEER

Exp. 7/26/2025

Precision Consulting Engineering, Inc.
www.structure1.com
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PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
KITSAP COUNTY
KITSAP COUNTY VAULT RESTROOM
KITSAP COUNTY, WASHINGTON

SHEET TITLE: CONNECTION DETAILS

PROJECT I.D. # KIT01

DATE: 7/29/2019

REVISIONS

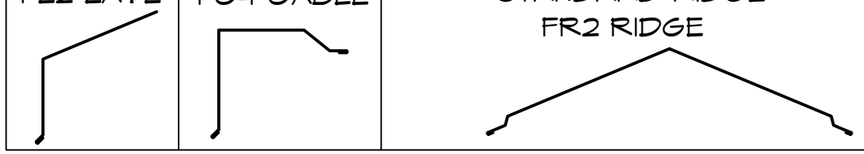
REV.	DATE:	BY
1	09/24/2018	TH

DRAWN BY: TH

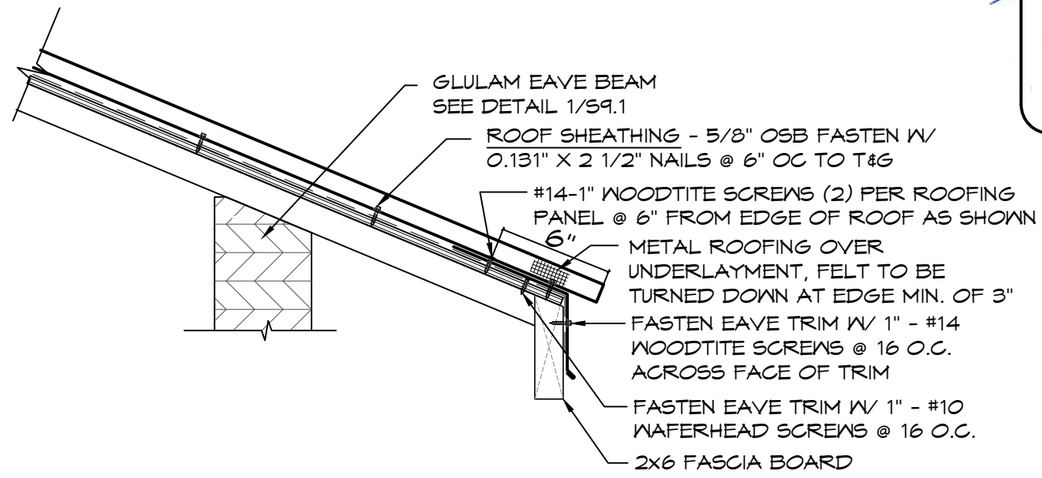
SHEET NO. S10.1

A: UNDERLAYMENT REQUIRMENTS:
30# FELT UNDERLAYMENT

MIGHTY RIB TRIM LEGEND: 5:12 PITCH		
FE2 EAVE	FG4 GABLE	STANDARD RIDGE FR2 RIDGE



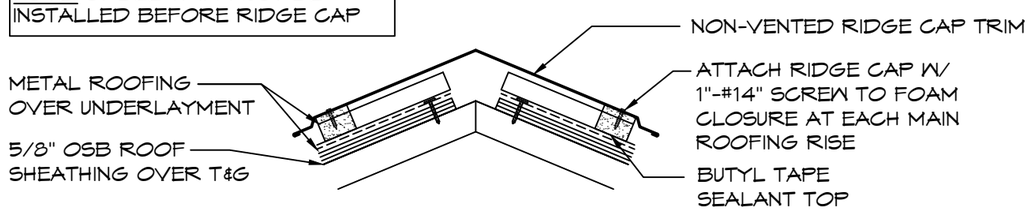
NOTE:
CONTRACTOR SHALL INSTALL ROOFING IN STRICT ACCORDANCE WITH INSTALLATION REQUIREMENTS OF ROOFING MANUFACTURER.



1 EAVE ROOFING DETAIL

SCALE: 1" = 1'-0"

NOTE: GABLE TRIM MUST BE INSTALLED BEFORE RIDGE CAP



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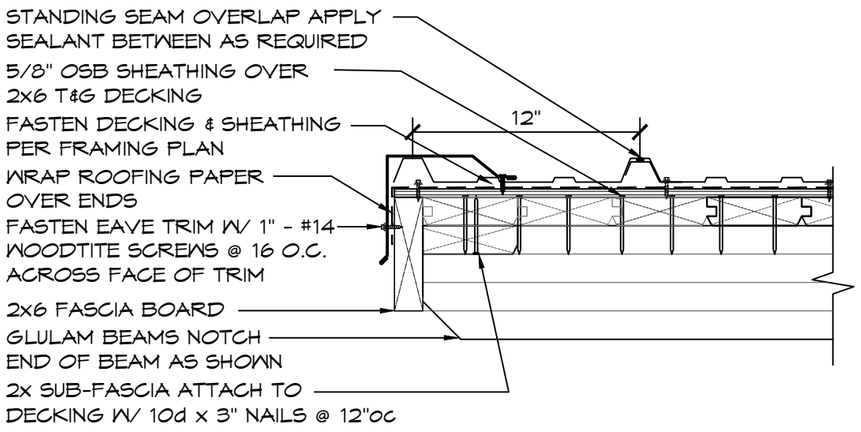

3 GABLE EAVE DETAIL

SCALE: 1 1/2" = 1'-0"

10/17/2024

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PROJECT: 1011 SST ASPEN SINGLE WATERLESS RR W/ ENTRY
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KITSAP COUNTY, WASHINGTON
SHEET TITLE: ROOFING DETAILS

PROJECT I.D. # KIT01
DATE: 7/29/2019
REVISIONS

REV.	DATE:	BY

DRAWN BY: TH

SHEET NO.
RD

GEOTECHNICAL ENGINEERING REPORT
Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

HWA Project No. 2023-229-21

Prepared for
Parametrix, Inc. & Kitsap County

October 31, 2024

HWA GeoSciences Inc.
DBE/MWBE

Geotechnical Engineering
Pavement Engineering
Geoenvironmental
Hydrogeology
Inspection & Testing

HWA | GeoSciences Inc.
DBE/MWBE

October 31, 2024
HWA Project No. 2023-229-21

Parametrix, Inc.
719 2nd Avenue, Suite 200
Seattle, Washington 98104

Attn: Ms. Mallory Wilde, P.E., Senior Consultant

Subject: **Geotechnical Report**
Port Gamble Forest Heritage Park
North Gateway Parking Lot
Port Gamble, Washington

Dear Ms. Wilde,

As requested, HWA GeoSciences Inc. (HWA) has completed a geotechnical investigation to support design of the proposed Port Gamble Forest Heritage Park North Gateway Parking Lot project in Port Gamble, Washington. This report presents the results of HWA's field explorations, infiltration testing, and laboratory testing, along with recommendations pertaining to geologic hazards and critical areas, pavement design, building foundations, infiltration feasibility, and permanent cut and fill slopes. The attached report summarizes the results of HWA's study and presents its conclusions and recommendations.

We appreciate the opportunity to provide geotechnical engineering services on this project. If you have any questions regarding this report or require additional information or services, please contact the undersigned at your convenience.

Sincerely,

HWA GeoSciences Inc.

Sean Gertz, P.E.
Senior Geotechnical Engineer

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APPENDICES

GEOTECHNICAL ENGINEERING REPORT
PORT GAMBLE FOREST HERITAGE PARK
NORTH GATEWAY PARKING LOT
PORT GAMBLE, WASHINGTON

1. INTRODUCTION

1.1 GENERAL

This report summarizes the results of the geotechnical engineering investigation performed by HWA GeoSciences Inc. (HWA) for support of the design for the Port Gamble Forest Heritage Park North Gateway Parking Lot project in Kitsap County, Washington (Site). The approximate location of the project Site is shown on the Site and Vicinity Map, Figure 1, and on the Site and Exploration Plan, Figure 2. HWA's field work included completing a field investigation program to evaluate subsurface soil and groundwater conditions, and to evaluate infiltration characteristics of near-surface soils. Laboratory tests were conducted on select soil samples to determine relevant engineering properties for the subsurface soils.

1.2 PROJECT UNDERSTANDING

HWA understands that Kitsap County Parks Department (County; project owner) proposes to develop an area along forest road G-1340 in the northwestern corner of Port Gamble Forest Heritage Park into the North Gateway Parking Lot. The Project will consist of an approximately 40,000 square-foot (sq-ft) parking area, an access drive connecting to the newly extended Northeast Carver Drive to the north, a paved shared use path, a waterless restroom building, and stormwater facilities. The parking lot and access drive will be constructed with gravel surfacing.

1.1 EXISTING SITE CONDITIONS

The site is adjacent to forest road G-1340, which slopes downward in the west to east direction, but is generally flat along the north to south alignment. The site is densely forested, with coniferous and deciduous trees and ferns, salal, and grasses in its understory. The elevation ranges from approximately 330 to 375 feet above mean sea level (MSL). The site shows indications of historical fluvial channels of varying size descending from the eastern side of G-1340 towards nearby water bodies adjacent to Port Gamble. No obvious evidence of historical landslide activity was observed during the field explorations.

1.2 GEOLOGIC SETTING

The project site is located within the north-central portion of the Puget Lowland. The Puget Lowland has repeatedly been occupied by a portion of the continental glaciers that developed during the ice ages of the Quaternary period. During at least four periods, portions of the ice

sheet advanced south from British Columbia into the lowlands of Western Washington. The southern extent of these glacial advances was near Tenino, Washington. Each major advance included numerous local advances and retreats, and each advance and retreat resulted in its own sequence of erosion and deposition of glacial lacustrine, outwash, till, and drift deposits. Between and following these glacial advances, sediments from the Olympic and Cascade Mountains accumulated in the Puget Lowland. As the most recent glacier retreated, it uncovered a sculpted landscape of elongated, north-south trending hills and valleys between the Cascade and Olympic Mountain ranges, composed of a complex sequence of glacial and interglacial deposits.

Specific geologic information for the project area was obtained from the *Geologic Map of Surficial Deposits in the Seattle 30' by 60' Quadrangle, Washington* (Yount, et al., 1993). The map indicates the project area is underlain by deposits of glacial till consisting of a non-sorted mixture of clay, silt, sand, gravel, cobbles, and boulders (diamicton). The till may contain some lenses of stratified materials, particularly in its lower depth. The soils are dense to very dense (over-consolidated) due to compaction from the overlying ice during glacial advance and retreat. Vashon advance outwash is mapped in intermittent areas south and northwest of project area where there appear to have historically been more active fluvial processes near the project site. Vashon advance outwash typically consists of a well-stratified pebbly sand with varying degrees of silt and increasing amounts of gravel higher in the section. This unit was deposited in meltwater streams in front of advancing glaciers. Advance outwash is typically dense to very dense as a result of having been overridden by advancing glaciers.

1.3 SUBSURFACE CONDITIONS

From June 3 to June 4, 2024, under subcontract to HWA, Northwest Excavating and Trucking Co., Inc. completed three pilot infiltration tests (PITs; PIT-1 through PIT-3) and excavated eight test pits (TP-1 through TP-8). From June 13 to 14, 2024, under subcontract to HWA, Holocene Drilling, LLC., of Puyallup, Washington, drilled three hollow-stem auger borings (HWA-1 through HWA-3). The explorations were completed at the approximate locations shown on Figure 2. Summaries of the results of the explorations are presented in Appendix A.

1.3.1 Soil Conditions

The following soil units were observed in the explorations performed for this study. Each major soil unit is described below, described from youngest in origin to oldest.

Forest Duff: Forest duff was encountered at the surface of all borings, PITs, and test pits, ranging in thickness from about 3 inches to 2 feet. This material generally consisted of forest floor litter or slightly gravelly, very silty sand with rootlets and grass.

Weathered Glacial Soils (Glacial Till and Advance Outwash): Weathered glacial till and advance outwash was encountered below forest duff in all of the PITs and test pits except TP-3 to depths of 2.5 to 7 ft below ground surface (bgs) and in borings HWA-1 and HWA-3 to depths of about 5 ft bgs. At the locations that were explored, the weathered glacial soils generally consist of loose to medium dense sand with variable silt and gravel content.

Glacial Till: Glacial till soils were encountered in all of the borings, PITs, and test pits beneath forest duff or weathered glacial soils. The glacial till extended to the maximum depth explored in all of the PITs and test pit explorations except for test pit TP-1, where the till extended approximately 8 ft bgs. In borings HWA-1 through HWA-3 this material was observed extending to depths of about 7.5 to 25 ft bgs. The glacial till generally consists of dense to very dense sand with variable silt and gravel content. The material within this unit is compact and remains more intact during excavation and within samplers, with moderately defined gravel sockets observed. Scattered cobbles were observed during test pit excavations. Although not observed in HWA's explorations, larger cobbles and boulders are common in glacial till deposits and should be anticipated during construction.

Advance Outwash: Advance outwash soils were encountered in test pit TP-1 and all borings beneath the glacial till and forest duff. The advance outwash soils extended to the maximum depth of the explorations where encountered. The unit generally consisted of dense to very dense, trace to silty sand with variable gravel content.

1.3.2 Groundwater Conditions

During HWA's June 2024 field investigation, groundwater was not observed in any explorations. While not observed within HWA's explorations, perched groundwater is often present above glacial till during wet weather and may be encountered at the site. Groundwater conditions will vary depending on local subsurface conditions, weather conditions, and other factors. Site groundwater levels are expected to fluctuate seasonally, with maximum groundwater levels occurring during late winter and early spring.

1.4 GEOTECHNICAL LABORATORY TESTING

Laboratory tests were conducted on selected samples retrieved from the explorations to characterize relevant engineering and index parameters of the soils encountered at the site. The tests included visual classifications, determination of natural moisture contents and grain size distribution analysis. All tests were conducted in HWA's laboratory in general accordance with appropriate ASTM International (ASTM) standards. A brief description of laboratory test methodology is presented in Appendix B. The test results are presented in Appendix B and displayed on the exploration logs in Appendix A, as appropriate.

2. CONCLUSIONS AND RECOMMENDATIONS

The site is underlain by varying thicknesses of medium dense to very dense glacial till and advance outwash deposits. Based on the results of the field explorations, laboratory testing, and engineering analyses performed, it is HWA's opinion that subsurface conditions within the project area are suitable for the proposed parking lot improvements, provided the recommendations presented herein are incorporated into the project design.

The following sections provide recommendations related to geologically hazardous areas, seismic design, pavement design, shallow foundation design, stormwater management, cut and fill slopes, and earthworks construction.

2.1 KITSAP COUNTY GEOLOGICALLY HAZARDOUS AREAS

Kitsap County Municipal Code (KCMC) Chapter 19.400 classifies geologically hazardous areas in the County online Geographic Information System (GIS) by using data on slope severity, slope stability, and soil characteristics. The County GIS database identifies high and moderate landslide hazard areas adjacent to the project site. The County GIS database also identifies very severe and moderate erosion hazard areas in the vicinity of the project site. Landslide hazard areas are shown on Figure 3 and erosion hazard areas are shown on Figure 4. Based on HWA's review of site conditions and the proposed development plans, geologically hazardous areas exist within 200 ft of the project site; however, the proposed improvements are not anticipated to impact the stability of slopes in the vicinity of the site. As such, the intent of this report is to meet the requirements for a Geological Report, as described in Chapter 19.700.725 of the KCMC.

2.1.1 Landslide Hazard Areas

The County's Geologically Hazardous Areas map identifies a moderate deep landslide hazard area to the southeast of the project site and a moderate shallow landslide hazard area to the east of the site, as shown on Figure 3. HWA completed a slope reconnaissance of these areas during its June 2024 field investigation program. During this visit, site slopes were observed to be heavily vegetated and no groundwater seeps nor evidence of historical slope movement such as tension cracks, hummocky ground, or bowed trees were observed. Per KCMC Chapter 19.400.435, a minimum building and impervious surface setback of 40-feet is required for moderate landslide hazard areas. HWA completed slope stability analyses for static and seismic conditions and confirmed that the slopes meet the minimum recommended factors of safety of 1.3 for static conditions and 1.1 for seismic conditions and that the proposed improvements will not negatively impact the stability of slopes on or near the site. Based on HWA's review of the project concept layout, dated March 25, 2024 and an undated Stormwater Approach figure transmitted on July 11, 2024, the proposed development sufficiently incorporates the required building and impervious surface setback.

2.1.2 Erosion Hazard Areas

The County's Geologically Hazardous Areas map identifies a very severe erosion hazard area to the southeast of the project site and a moderate erosion hazard area to the east of the site, as shown on Figure 4. During HWA's June 2024 field investigation program, no obvious signs of erosion were observed within the project site; however, moderate rilling was noted at the downstream end of a culvert that crosses beneath forest road G-1340 to the south of the site. Due to the presence of the very severe erosion hazard area to the southeast of the site, and the evidence of erosion due to concentrated stormwater flows, HWA recommends that stormwater flows be directed away from the steep slopes to the southeast of the site. This is consistent with the requirements of Chapter 19.400.410 of the KCMC. Per KCMC Chapter 19.400.435, a minimum building and impervious surface setback of 40-feet is required for erosion hazard areas. Based on a review of the project concept layout, dated March 25, 2024 and an undated Stormwater Approach figure transmitted on July 11, 2024, the proposed development sufficiently incorporates the required building and impervious surface setback, as well as HWA's geotechnical recommendations related to erosion hazard areas.

2.1.3 Seismic Hazard Areas

KCMC Chapter 19.400.430 defines seismic hazard areas as being "…areas subject to severe risk of damage as a result of earthquake-induced land sliding, seismic ground shaking, dynamic settlement, surface faulting, soil liquefaction, or flooding caused by tsunamis and seiches." Based on HWA's explorations and analysis, the project site does not meet the requirements for seismic hazard areas per KCMC Chapter 19.400.430.

2.2 SEISMIC DESIGN CONSIDERATIONS

The site is located in a seismically active region. HWA anticipates that the proposed restroom building will be designed based on the requirements of the 2018 International Building Code (IBC) and ASCE 7-16 (Minimum Design Loads and Associated Criteria for Buildings and Other Structures). However, at the time of writing this report, it is unclear when the design or construction of any building on this site is scheduled to occur and the prevailing codes for assessing the seismic design loads may change and may require revision prior to preparation of any future design.

2.2.1 Seismic Design Parameters

As part of the procedure to evaluate seismic forces, the 2018 IBC requires the evaluation of the Seismic Site Class, which categorizes the site based upon the characteristics of the subsurface profile 100 feet below the proposed foundation. The Site Class can then be determined in accordance with Section 20.3 of ASCE 7-16, and the corresponding values of F_a and F_v determined from Tables 11.4-1 and 11.4-2 of ASCE 7-16. Based on the obtained SPT blow

counts noted in the exploration logs and extrapolated to a depth of 100 feet, the site classifies as Site Class "C."

The associated probabilistic ground acceleration values and site coefficients for the general site area were obtained from the Applied Technology Council Seismic Hazard Maps. The risk targeted seismic values and coefficients are presented in Table 1.

Table 1: Seismic Coefficients Using IBC 2018 Specifications, Site Class C*
Location: Lat. 47.8449; Long. -122.6008

Period (sec)	Mapped MCE Spectral Response Acceleration (g)		Site Coefficients		Adjusted MCE Spectral Response Acceleration (g)		Design Spectral Response Acceleration (g)	
0.0	PGA	0.500	F_{PGA}	1.200	PGA_M	0.600	-	-
0.2	S_s	1.311	F_a	1.200	S_{Ms}	1.573	S_{Ds}	1.049
1.0	S_1	0.465	F_v	1.500	S_{M1}	0.698	S_{D1}	0.465

Transition Point	Period (sec)
T0	0.089
Ts	0.443
T_L	6

Notes: **2% Probability of Exceedance in 50 years (2,475-year return period) with Risk Category II structures*

PGA = Peak ground acceleration
F_{PGA} = PGA site coefficient
PGA_M = Maximum considered earthquake geometric mean peak ground acceleration adjusted for Site Class effects
S_S = Short period (0.2 second) Mapped Spectral Acceleration
S_1 = 1.0 second period Mapped Spectral Acceleration
S_{MS} = Spectral Response adjusted for site class effects for short period = $F_a \bullet S_S$
S_{M1} = Spectral Response adjusted for site class effects for 1-second period = $F_V \bullet S_1$
S_{DS} = Design Spectral Response Acceleration for short period = $2/3 \bullet S_{MS}$
S_{D1} = Design Spectral Response Acceleration for 1-second period = $2/3 \bullet S_{M1}$
F_a = Short Period Site Coefficients
F_v = Long Period Site Coefficients
$T_0 = 0.2 \bullet S_{D1}/S_{DS}$
$T_S = S_{D1}/S_{DS}$
T_L = Long Period Transition period

2.3 PAVEMENT DESIGN

HWA understands that the parking lot and access road will be surfaced with gravel and that the shared use path will be paved with hot mix asphalt. The following recommendations may be utilized for design of a pavement section for the shared use path.

Based on the subsurface conditions observed at the site, it is HWA's opinion that flexible pavements constructed on a subgrade consisting of glacial till deposits that have been scarified and compacted to a dense and unyielding condition or on properly compacted structural fill that is placed directly on a subgrade that has been compacted to a dense and unyielding condition could be designed using a California Bearing Ratio of about 10 percent.

Pavement sections should be constructed on a subgrade that has been scarified to a depth of 1 ft and recompacted to at least 95 percent of the Maximum Dry Density (MDD) as determined by ASTM D 1557 (modified Proctor). If the native soils have high fines content, it may be difficult to place and compact the soils, especially if construction occurs during wetter months. If this is the case, it may be necessary to over excavate the subgrade and replace it with properly compacted structural fill, as defined in Section 2.6.1 of this report. The depth of over excavation required will depend on how deep the subgrade is disturbed.

Project-specific traffic loading information was not available at the time of preparing this report; however, based on communication with Parametrix, HWA understands that the shared use path will be primarily utilized by bicycles and pedestrians; however, the path may also be occasionally utilized by a County maintenance vehicle. For the shared use path, HWA recommends a pavement section consisting of 2 inches of hot mix asphalt over 4 inches of crushed surfacing base course (CSBC). CSBC should meet the requirements of Section 9-03.9(3) of the *2024 Washington State Department of Transportation Standard Specifications for Road, Bridge, and Municipal Construction (2024 WSDOT Standard Specifications).* Hot mix asphalt should be Class B aggregate material or hot mix asphalt class ½-inch, PG58H-22 conforming to Section 5-04 of the *2024 WSDOT Standard Specifications.*

Base course material should be compacted to at least 95 percent of the MDD. The upper 2 inches of crushed surfacing may consist of crushed surfacing top course (CSTC) corresponding to Section 9-03.9(3) of the *2024 WSDOT Standard Specifications* to facilitate fine grading of the surface. Prevention of road base saturation is essential for pavement durability; thus, efforts should be made to limit the amount of water entering the base course.

2.4 SHALLOW FOUNDATIONS

For shallow foundations bearing on very dense glacial till or advance outwash soils or properly placed and compacted structural fill extending to such soils, an allowable bearing pressure of 4,000 psf may be used for design.

The allowable bearing pressure applies to dead and live loads, exclusive of the weight of the footing and any overlying backfill. The bearing pressure can be increased by one-third for transient loads such as those induced by wind and seismic forces.

For frost protection, it is recommended that perimeter footings be embedded at least 12 inches below the lowest adjacent grade, where the surrounding ground is flat. Interior footings should be embedded at least 6 inches below the nearest adjacent grade. HWA estimates that footings or slabs-on-grade will settle less than 1 inch, if constructed as recommended herein. Similarly loaded foundation elements will likely experience ½ inch or less of differential settlement over 25-ft spans. Settlement is expected to be elastic in nature and will occur as structural loads are applied during construction.

An allowable friction coefficient of 0.3, applied to vertical dead loads only, can be used to compute frictional resistance acting on the base of cast-in-place concrete foundations and slabs. This coefficient includes a factor of safety of 1.5.

The passive resistance of properly compacted structural fill placed against the sides of concrete foundations with a level foreslope can be represented by an allowable equivalent fluid density of 320 pounds per cubic foot (pcf). The allowable equivalent fluid density includes a factor of safety of 1.5. The passive earth pressure and friction components can be combined, provided the passive component does not exceed two-thirds of the total. Unless the foundation perimeter is covered by concrete or pavement, the upper 1 ft of soil should be excluded from the calculation.

Due to the low permeability of the glacial till soils encountered below portions of the project site, excavations may fill with water where glacial till is present. The contractor should be prepared to manage water from inclement weather events during construction of shallow foundations. It is recommended that perimeter foundation footing drains are included in the design of structures. Landscaped and hardscaped areas should slope away from structures at a grade of at least 2 percent.

A qualified engineer should evaluate foundation subgrades prior to placement of formwork, rebar, or structural fill.

2.5 STORMWATER MANAGEMENT

Based on correspondence with the design team, HWA understands that stormwater from a portion of the access road will be routed to bioretention cells with infiltration into the underlying native soils along the western edge of the site between the shared use path and the driveway. Stormwater flows from the proposed parking lot and the remainder of the access drive will be dispersed to the heavily vegetated slopes to the east of the site. Per the information obtained during the field exploration program, HWA anticipates the project site to be underlain by sandy glacial till and advance outwash. Based on the results of HWA's field investigations, stormwater infiltration and full dispersion are considered to be feasible from a geotechnical perspective.

2.5.1 Large-Scale Pilot Infiltration Testing Results

Three large-scale PIT investigations (PIT-1 through PIT-3) were performed at the approximate locations shown on Figure 2. The PIT investigations were performed in general accordance with the requirements in the *2021 Kitsap County Stormwater Design Manual*, which references the SWMMWW (DOE 2019). Test pits PIT-1 through PIT-3 each had a bottom surface area of approximately 100 square feet. HWA used the following procedures to complete the PIT investigations:

- Excavate the test pits to the anticipated base depth of the proposed stormwater infiltration facility (approximately 2 to 3 ft bgs).

- Install a vertical measuring rod, marked in 1/10-ft increments.
- Add water to the test pit to establish a water depth of approximately 1 ft.
- Maintain water in the test pit; this "pre-soak period" is used to saturate infiltration facility receptor soils.
- Adjust the flow rate to maintain a stable water level in the test pit.
- Stop water inflow to the test pit and record the depth-of-water over time. Water depths generally were recorded in 15- to 30-minute intervals.

Upon completion of the PIT investigations, the test pits were extended to depths of up to 15 ft bgs to characterize the infiltration receptor. Test pits were then backfilled in lifts and tamped with the excavator bucket. The infiltration rates observed in the PIT investigations are summarized in Table 2.

Table 2: Summary of Pilot Infiltration Test Results

Designation	Observed Field Infiltration Rate (inches per hour)
PIT-1	2.73 (in/hr)
PIT-2	2.53 (in/hr)
PIT-3	1.96 (in/hr)

hr = hour

in = inch

2.5.2 Infiltration Design

The SWMMWW (DOE 2019) manual recommends applying correction factors to the measured infiltration rates obtained from infiltration testing as follows:

Issue	Partial Correction Factor
Site variability and number of locations tested	CF_v = 0.33 to 1.0
Test Method	
• Large-scale PIT • Small-scale PIT • Other small-scale (e.g. Double ring, falling head) • Grain Size Method	• CF_t = 0.75 • = 0.50 • = 0.40 • = 0.40
Degree of influent control to prevent siltation and bio-buildup	CF_m = 0.9

Total Correction Factor, $CF_T = CF_v \times CF_t \times CF_m$

- The design infiltration rate (K_{sat}design) is calculated by multiplying the initial K_{sat} by the total correction factor:

$$K_{sat}\ design = K_{sat}\ initial \times CF_T$$

Correction factors should be applied to the infiltration rates in Table 2 to account for site variability and number of tests conducted (CFv = 0.75), the test method used to estimate the short-term infiltration rate (CFt = 0.75), and the degree of influent control necessary to prevent siltation and bio-buildup (CFm = 0.9). HWA recommends a total correction factor of 0.5.

Based on the results of the PIT investigations and a total correction factor of 0.5, HWA recommends using a long-term design infiltration rate of 1.0 inches per hour to design the infiltration facilities.

It should be noted that glacial till is typically considered a hydraulically restrictive layer; however, based on HWA's explorations, the glacial till at the site is generally sandier than typical glacial till, resulting in infiltration characteristics that are better than typical. Additionally, HWA's exploratory borings extended approximately 40 to 45 ft below the base of the proposed infiltration facilities. No hydraulically restrictive layers were observed within these borings.

2.5.3 Full Dispersion

Based on the subsurface explorations at the site, soils should generally be considered 'other than Type A' for the purposes of dispersion design. The project proposes to manage stormwater runoff from the access road to the north of the site and from the parking lot via full dispersion. The proposed dispersion area associated with the access road meets the requirement for 6.5 ft of flow path through the dispersion area for every 1 ft of flow path across impervious surfaces, with a minimum dispersion area flow path length of 100 ft.

Based on discussions with the design team, it is understood that it is not possible to provide the flow path length through the dispersion area that would be necessary for 'other than Type A' soils for the dispersion area associated with the parking lot. Portions of this dispersion area have grades as steep as 25 percent, which is greater than the maximum of 15 percent allowed by the *2021 Kitsap County Stormwater Design Manual.* The design team is requesting a variance from these code requirements in order to utilize full dispersion for this portion of the site. To support this request, HWA has completed a streambed critical stress analysis based on the results of its laboratory test results and information provided by Parametrix. This analysis indicates that the critical shear stress (i.e. the stress required to mobilize soil particles) of the near-surface soils ranges from approximately 0.52 to 0.81 lb/ft^2. Based on discussion with Parametrix, it is understood that the design hydraulic radius for the dispersion area is approximately 0.007 to 0.011 ft for the 2-year and the 100-year storm events. These hydraulic radii correspond to an average boundary shear stress of approximately 0.11 to 0.17 lb/ft^2, respectively. Based on its analyses, HWA concludes that the site soils generally have a factor of safety against particle movement of at least 3.0, which is considered acceptable. Therefore, it is HWA's opinion that full dispersion should be allowed at the site as proposed.

2.6 EARTHWORK CONSIDERATIONS

The following sections present recommendations for earthworks construction.

2.6.1 Structural Fill Materials

Structural fill should consist of imported clean, free-draining, granular soils free from organic matter or other deleterious materials. Such materials should be less than 4 inches in maximum particle dimension, with less than 7 percent fines (portion passing the U.S. Standard No. 200 sieve), as specified for Gravel Borrow in Section 9-03.14(1) of the *Standard Specifications (WSDOT 2024)*. The fine-grained portion of structural fill soils should be non-plastic.

2.6.2 Subgrade Preparation

Subgrade preparation should include removal of all topsoil, organic-rich soils, debris and vegetation. The soils should be excavated to the design elevation and evaluated by a geotechnical engineer or their representative.

The exposed subgrade soils should be evaluated to assess their suitability for support of the improvements. Areas accessible to fully-loaded dump trucks, or similar heavy, wheeled equipment, should be proof-rolled prior to placement of structural fill. Areas of limited access can be evaluated using a steel T-probe. Any areas exhibiting pumping or heaving should be delineated and over-excavated to reach competent soils, as determined by the geotechnical engineer. If probing or proof-rolling reveals loose and/or disturbed subgrades, the upper 1 ft of subgrade should be scarified, moisture-conditioned, and compacted to a firm and unyielding condition. Overexcavating unsuitable soils and replacing them with properly compacted structural fill may be recommended.

2.6.3 Reuse of Site Materials

Site soils denoted as “SM” or “GM” on Figures A-2 through A-15 should be considered moisture sensitive due to their high fines content. Without proper conditioning, moisture-sensitive soils may be difficult to compact and could limit the window of time in which work can be completed (i.e., uneconomical to work in wet weather). As a quality control measure, moisture sensitive site soils should not be reused in structural applications due to the difficulty of handling during construction activities.

Site soils that cannot be reused in structural applications should be disposed of at an appropriate offsite location or in vegetated areas where several inches of post-construction settlement is acceptable. Soil that cannot be reused should not be placed on steep slopes or within erosion hazard areas.

2.6.4 Cut and Fill Slopes

Permanent cut-and-fill slopes should be designed with inclinations of 2H:1V or flatter. Permanent slopes with steeper inclinations may require structural support and should be treated on an individual basis. All permanent slopes should be vegetated or otherwise protected to limit the potential for erosion as soon as practicable after construction. Permanent slopes requiring immediate protection from the effects of erosion should be covered with either mulch or erosion control netting/blankets. Areas requiring permanent stabilization should be seeded with an approved grass seed mixture, or hydroseeded with an approved seed-mulch-fertilizer mixture.

2.6.5 Compaction of Fill Materials

Structural fill soils should be moisture conditioned and compacted to the requirements specified in Section 2-03.3(14), Method C, of the *2024 Standard Specifications*, except that maximum dry densities should be obtained using ASTM D 1557 "Modified Proctor" testing. Achievement of proper density of a compacted fill depends on the size and type of compaction equipment, the number of passes, thickness of the layer being compacted, and soil moisture-density properties. In areas where limited space restricts the use of heavy equipment, smaller equipment should be used, and the soil must be placed in thin enough layers to achieve the required relative compaction.

2.6.6 Wet Weather Earthwork

Site soils denoted as "SM" or "GM" on Figures A-2 through A-15 should be considered moisture sensitive. Imported fill material can also be moisture sensitive. During periods of wet weather, even the most permeable soils can become difficult to work and compact. Considerable variability in the fines content of the native soils is anticipated. Soils with higher fines contents will be difficult to work and compact while saturated. If fill is to be placed or earthwork is to be performed in wet weather or under wet conditions, the following recommendations apply:

- Earthwork should be performed in small areas to minimize exposure to wet weather. Excavation of unsuitable and/or softened soil should be followed promptly by placement and compaction of clean structural fill. The size and type of construction equipment used may need to be limited to prevent soil disturbance.
- The fines content of structural fill should be limited to 5 percent passing the U.S. No. 200 sieve, based on wet sieving the fraction passing the ¾-inch sieve. The fines should be non-plastic. It should be noted this is an additional restriction on the structural fill materials specified.
- The ground surface within the construction area should be graded to promote surface water run-off and to prevent ponding.

- Within the construction area, the ground surface should be sealed on completion of each shift by a smooth drum vibratory roller, or equivalent, and under no circumstances should soil be left uncompacted and exposed to moisture infiltration.
- Saturation of exposed subgrade in open excavations can result in costly remediation efforts. The contractor should be prepared to cover open excavations with sufficient plastic sheeting to convey water towards sealed, graded surfaces. Grading into sumps and pumps may also prevent excavations from becoming saturated.

Excavation and placement of backfill materials should be monitored by a geotechnical engineer or their representative who is experienced in wet weather earthwork to determine that the work is being accomplished in accordance with the project specifications and the recommendations contained herein.

2.6.7 Temporary Construction Dewatering

Groundwater seepage was not observed in HWA's explorations at the time of drilling and excavating. Based on the permeability of the underlying soils at infiltration test depths, perched groundwater is not likely to accumulate. It is unlikely that the contractor will encounter groundwater. However, if perched groundwater is encountered, localized pump and sump systems are anticipated to be an effective dewatering method.

2.6.8 Temporary Excavations

Temporary excavations in excess of 4 ft should either be shored or sloped in accordance with Safety Standards for Construction Work Part N, WAC 296-155-657. The soils observed at the project site should be classified as Type C, and excavations should be constructed no steeper than 1½H:1V (horizontal:vertical). Temporary excavation slopes in the presence of groundwater may require shallower slopes or shoring to ensure stability of the excavation.

All open cuts should be monitored during and after excavation for any evidence of instability. If instability is detected, the contractor should flatten the side slopes or install temporary shoring. If groundwater or groundwater seepage is present, and the excavation is not properly dewatered, the soil within the excavations may be prone to caving. In addition, temporary excavation slopes should be protected by covering with plastic sheeting, straw, or other means to prevent erosion, and the contractor should implement measures to prevent surface water runoff from entering the excavation.

Temporary excavation configurations and maintenance of safe working conditions, including temporary excavation stability, should be the responsibility of the contractor, who is able to monitor the construction activities and has direct control over the means and methods of construction. All applicable local, state, and federal safety codes should be followed.

3. CONDITIONS AND LIMITATIONS

HWA has prepared this geotechnical report for the Kitsap County and Parametrix, Inc. for use in design for the Port Gamble Forest Heritage Park North Gateway Parking Lot project. The conclusions and interpretations presented in this report should not be construed as warranty of subsurface conditions at the site. Experience has shown that soil and groundwater conditions can vary significantly over small distances and with time. Inconsistent conditions can occur between explorations that may not be detected by a geotechnical study of this scope and nature. If, during future site operations, subsurface conditions are encountered which vary appreciably from those described herein, HWA should be notified for review of the recommendations of this report, and revision of such if necessary.

Within the limitations of scope, schedule and budget, HWA attempted to execute these services in accordance with generally accepted professional principles and practices in the fields of geotechnical engineering and engineering geology in the area at the time the report was prepared. No warranty, express or implied, is made.

HWA does not practice or consult in the field of safety engineering. We do not direct the contractor's operations and cannot be responsible for the safety of personnel other than our own on the site. As such, the safety of others is the responsibility of the contractor. The contractor should notify the owner if any of the recommended actions presented herein are considered unsafe.

We appreciate the opportunity to provide geotechnical services on this project. Should you have any questions or comments, or if we may be of further service, please do not hesitate to call.

Sincerely,

HWA GEOSCIENCES INC.

Sean Gertz, P.E.
Senior Geotechnical Engineer

Steven R. Wright, P.E.
Geotechnical Engineer, Vice President

4. REFERENCES

American Society of Civil Engineers (ASCE) 7-16, 2015, *Minimum Design Loads and Associated Criteria for Buildings and Other Structures*, ASCE.

Burmister, D.M., 1948, *Importance and Practical Use of Relative Density in Soil Mechanics*, Proceedings, ASTM, Vol. 48, pp. 1249-1268.

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WSDOT, 2024, *Standard Specifications for Road, Bridge, and Municipal Construction,* M 41-10, Washington State Department of Transportation, dated 2024.

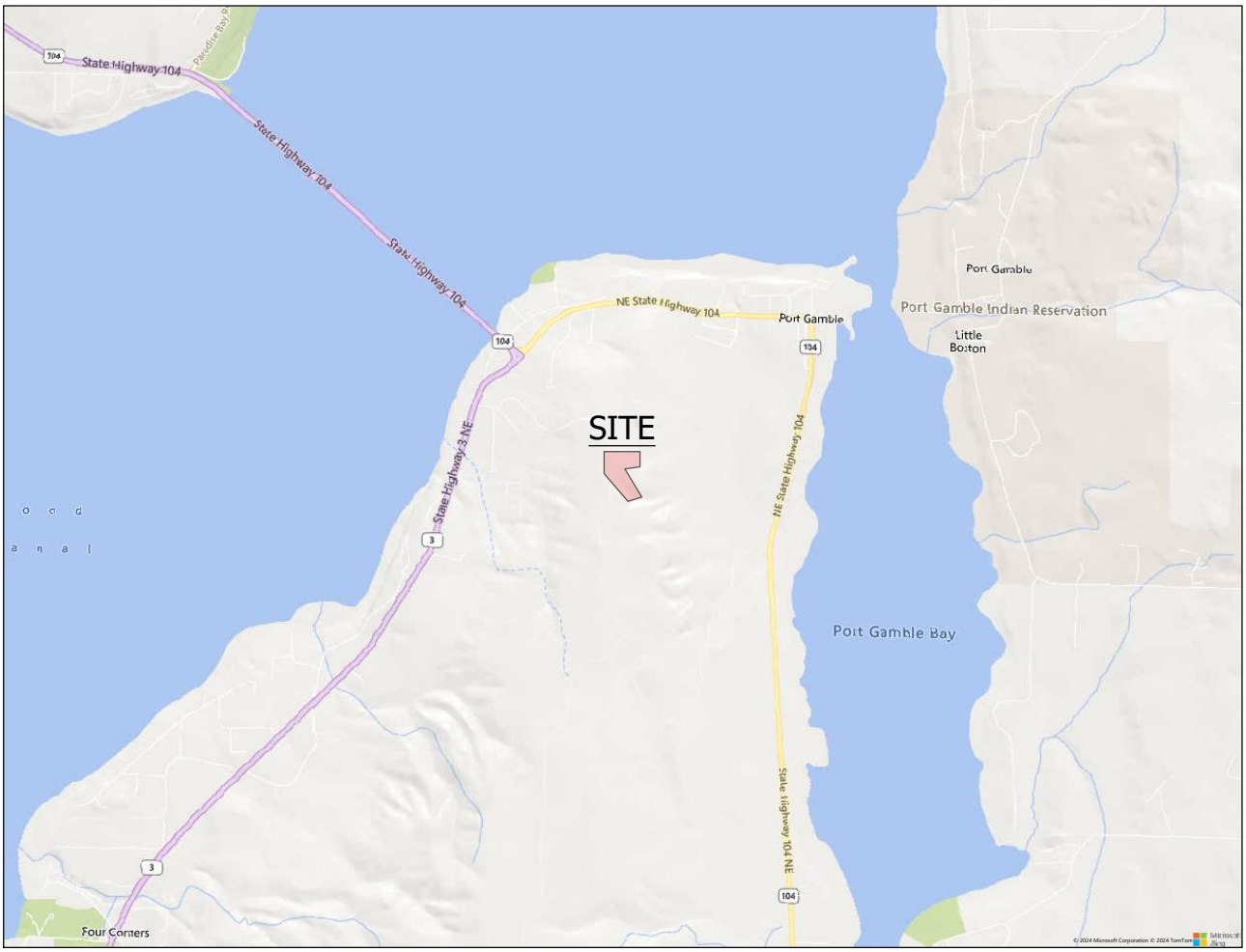
Yount, J.C., Minard, J.P., and Dembroff, G.R., 1993, *Geologic Map of Surficial Deposits in the Seattle 30' y 60' Quadrangle, Washington*, United States Geological Survey, Open File Report OF-93-233, scale 1:100,000.

SITE MAP

0 250' 500' 750' 1000'

SCALE: 1" = 500'

N



VICINITY MAP

0 2000' 4000' 6000' 8000'

SCALE: 1" = 4000'

N

GEOSCIENCES INC.
DBE/MWBE

SITE AND VICINITY MAP

PORT GAMBLE FOREST HERITAGE PARK
NORTH GATEWAY PARKING LOT
KITSAP COUNTY, WASHINGTON

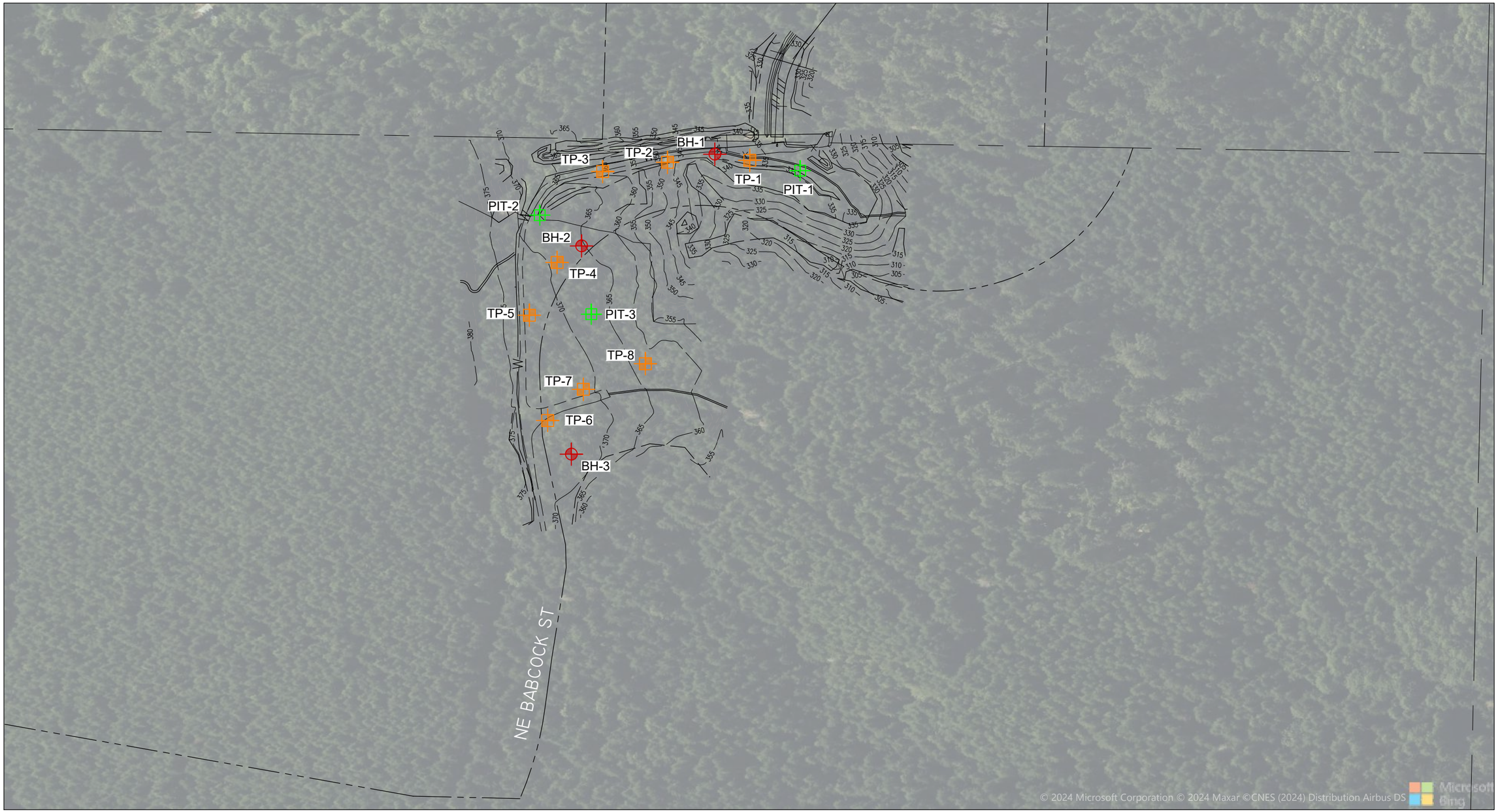
FIGURE NO.: 1

DRAWN BY: CF

CHECK BY: SMG

PROJECT # 2023-229-21

C:\USERS\CFRY\DESKTOP\2023-229-21 PORT GAMBLE RIDE PARK\2023-229-21 PORT GAMBLE RIDE PARK.DWG <1> Plotted: 6/27/2024 8:12 AM



NE BABCOCK ST
Scale: 1" = 150'-0"

EXPLORATION LEGEND

BH-1 — BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (HWA, 2024)

TP-1 — TEST PIT DESIGNATION AND APPROXIMATE LOCATION (HWA, 2024)

PIT-1 — LARGE SCALE PILOT INFILTRATION TEST (PIT) DESIGNATION AND APPROXIMATE LOCATION (HWA, 2024)

AERIAL IMAGERY REFERENCE IS APPROXIMATE AND MAY APPEAR OFFSET FROM SURVEYED DATA AND BASEMAPS.

N

0 75 150 225 300

SCALE: 1" = 150'

HWA GEOSCIENCES INC. DBE/MWBE

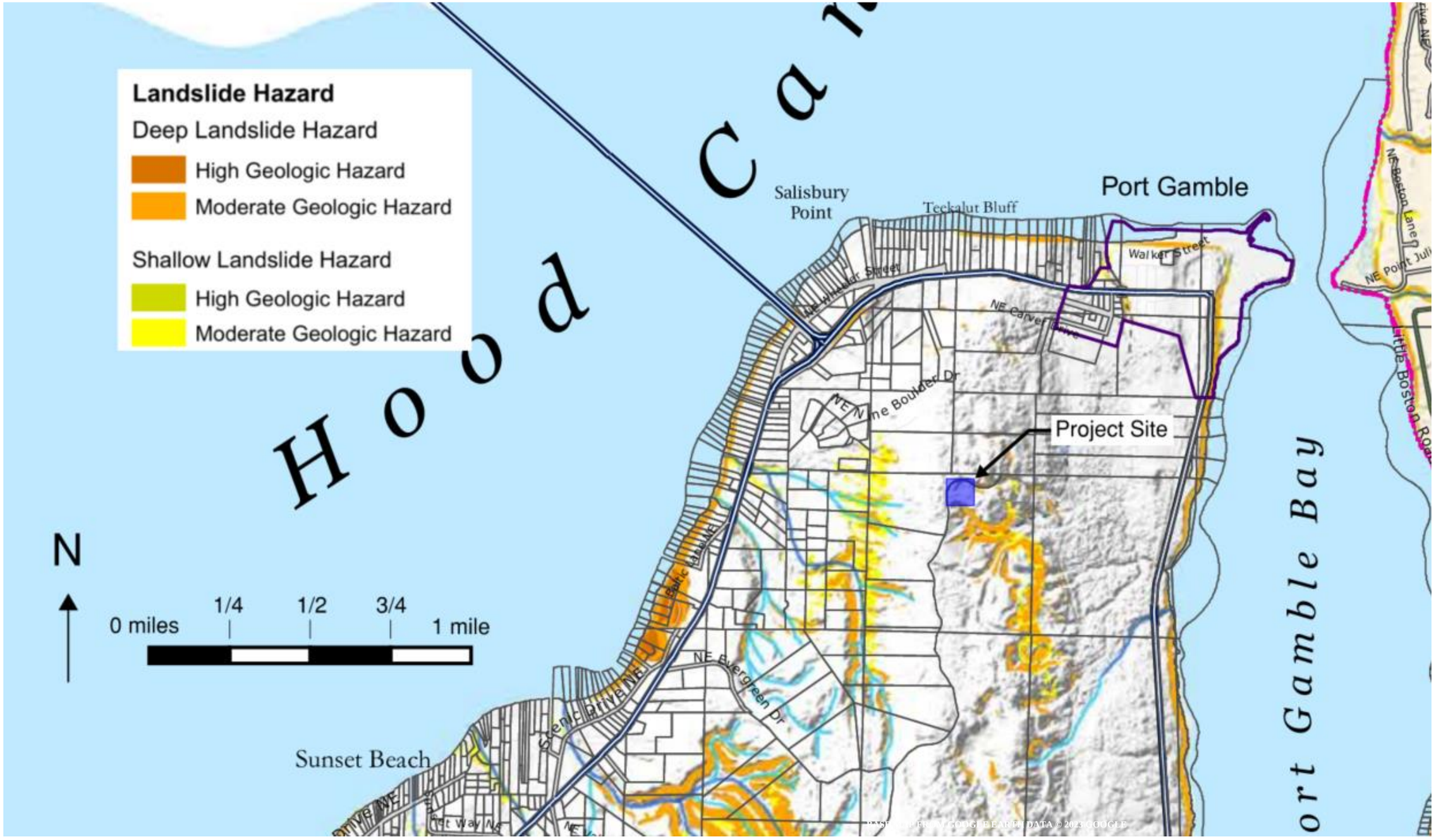
PORT GAMBLE FOREST HERITAGE PARK
NORTH GATEWAY PARKING LOT
KITSAP COUNTY, WASHINGTON

SITE AND EXPLORATION PLAN

DRAWN BY:	FIGURE NO.:
CF	2
CHECK BY:	PROJECT NO.:
AOF/SMG	2023-229-21

BASE MAP PROVIDED BY: BING AND PARAMETRIX 6.17.2024

C:\USERS\CFRY\DESKTOP\2023-229-21 PORT GAMBLE RIDE PARK\2023-229-21 PORT GAMBLE RIDE PARK.DWG <2> Plotted: 7/11/2024 3:25 PM



Source: Kitsap County, 2023

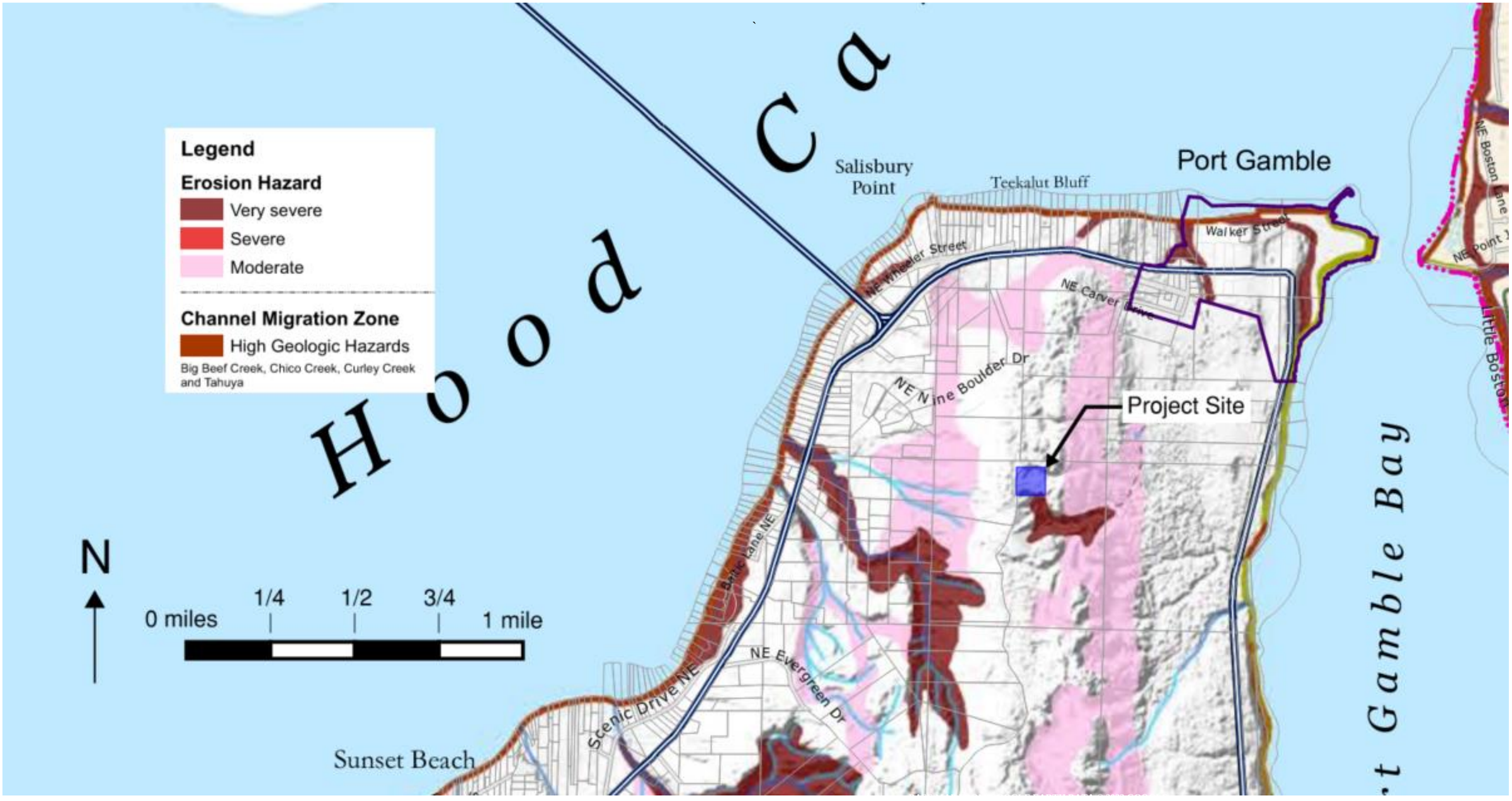
HWA GeoSciences Inc. DBE/MWBE

LANDSLIDE HAZARD AREAS

PORT GAMBLE FOREST HERITAGE PARK
NORTH GATEWAY PARKING LOT
KITSAP COUNTY, WASHINGTON

FIGURE NO. **3**

PROJECT NO. 2023-229-21



Source: Kitsap County, 2023

GeoSciences Inc.
DBE/MWBE

EROSION HAZARD AREAS

PORT GAMBLE FOREST HERITAGE PARK
NORTH GATEWAY PARKING LOT
KITSAP COUNTY, WASHINGTON

FIGURE NO.
4

PROJECT NO.
2023-229-21

APPENDIX A

FIELD EXPLORATIONS

APPENDIX A

FIELD EXPLORATIONS

On June 3 and June 4, 2024, HWA GeoSciences, Inc.'s (HWA) excavation subcontractor completed three pilot infiltration tests (PITs; PIT-1 through PIT-3) and eight test pits (TP-1 through TP-8) within the project site. Following completion of the PIT investigations, the excavation subcontractor extended the PITs and test pits 9 to 15 ft bgs. On June 13 through June 14, 2024, HWA's drilling subcontractor advanced three borings using hollow-stem auger drilling equipment (HWA-1 through HWA-3) 50.9 to 51.0 feet (ft) below the ground surface (bgs). The approximate locations of the explorations are shown on Figure 2.

HWA personnel coordinated and monitored the explorations, obtained representative soil samples, maintained detailed logs of the subsurface soil and groundwater conditions observed, and described the soil encountered by visual and textural examination. Each representative soil type was described using the soil classification system shown on Figure A-1, in general accordance with the USCS Soil Classification system which uses ASTM International standard D2488, *Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)*. Summary logs of the explorations are presented on Figures A-2 through A-15. The stratigraphic contacts shown on the logs represent the approximate boundaries between soil types; actual transitions may be more gradual, the soil and groundwater conditions depicted are for the specific dates and locations indicated and may not be representative of other locations and/or times.

A 1.5-inch-inside-diameter split-spoon sampler was used to obtain disturbed soil samples from borings HWA-1 through HWA-3. A 140-pound automatic hammer, falling approximately 30 inches, was used to drive the sampler 18 inches (or a portion thereof) into the undisturbed soil. The number of blows required to drive the sampler 6 inches of soil penetration (or a portion thereof) in up to three intervals is noted on the boring logs. Representative grab samples were collected from the PITs and test pits where changes in soil and groundwater conditions were observed.

Upon completion of field work, the boreholes were decommissioned in general accordance with the requirements in Chapter 173-160 of the Washington Administrative Code. The test pits were backfilled with excavated soils and compacted in lifts with the excavator bucket.

RELATIVE DENSITY OR CONSISTENCY VERSUS SPT N-VALUE

COHESIONLESS SOILS			COHESIVE SOILS		
Density	N (blows/ft)	Approximate Relative Density(%)	Consistency	N (blows/ft)	Approximate Undrained Shear Strength (psf)
Very Loose	0 to 4	0 - 15	Very Soft	0 to 2	<250
Loose	4 to 10	15 - 35	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	35 - 65	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	65 - 85	Stiff	8 to 15	1000 - 2000
Very Dense	over 50	85 - 100	Very Stiff	15 to 30	2000 - 4000
			Hard	over 30	>4000

USCS SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP DESCRIPTIONS	
Coarse Grained Soils	Gravel and Gravelly Soils	Clean Gravel (little or no fines)	GW	Well-graded GRAVEL
			GP	Poorly-graded GRAVEL
	More than 50% of Coarse Fraction Retained on No. 4 Sieve	Gravel with Fines (appreciable amount of fines)	GM	Silty GRAVEL
			GC	Clayey GRAVEL
More than 50% Retained on No. 200 Sieve Size	Sand and Sandy Soils	Clean Sand (little or no fines)	SW	Well-graded SAND
			SP	Poorly-graded SAND
	50% or More of Coarse Fraction Passing No. 4 Sieve	Sand with Fines (appreciable amount of fines)	SM	Silty SAND
			SC	Clayey SAND
Fine Grained Soils	Silt and Clay	Liquid Limit Less than 50%	ML	SILT
			CL	Lean CLAY
			OL	Organic SILT/Organic CLAY
50% or More Passing No. 200 Sieve Size	Silt and Clay	Liquid Limit 50% or More	MH	Elastic SILT
			CH	Fat CLAY
			OH	Organic SILT/Organic CLAY
Highly Organic Soils			PT	PEAT

TEST SYMBOLS

%F	Percent Fines
AL	Atterberg Limits: PL = Plastic Limit, LL = Liquid Limit
CBR	California Bearing Ratio
CN	Consolidation
DD	Dry Density (pcf)
DS	Direct Shear
GS	Grain Size Distribution
K	Permeability
MD	Moisture/Density Relationship (Proctor)
MR	Resilient Modulus
OC	Organic Content
pH	pH of Soils
PID	Photoionization Device Reading
PP	Pocket Penetrometer (Approx. Comp. Strength, tsf)
Res.	Resistivity
SG	Specific Gravity
CD	Consolidated Drained Triaxial
CU	Consolidated Undrained Triaxial
UU	Unconsolidated Undrained Triaxial
TV	Torvane (Approx. Shear Strength, tsf)
UC	Unconfined Compression

SAMPLE TYPE SYMBOLS

- 2.0" OD Split Spoon (SPT) (140 lb. hammer with 30 in. drop)
- Shelby Tube
- Non-standard Penetration Test (3.0" OD Split Spoon with Brass Rings)
- Small Bag Sample
- Large Bag (Bulk) Sample
- Core Run
- 3-1/4" OD Split Spoon

GROUNDWATER SYMBOLS

- Groundwater Level (measured at time of drilling)
- Groundwater Level (measured in well or open hole after water level stabilized)

COMPONENT DEFINITIONS

COMPONENT	SIZE RANGE
Boulders	Larger than 12 in
Cobbles	3 in to 12 in
Gravel	3 in to No 4 (4.5mm)
Coarse gravel	3 in to 3/4 in
Fine gravel	3/4 in to No 4 (4.5mm)
Sand	No. 4 (4.5 mm) to No. 200 (0.074 mm)
Coarse sand	No. 4 (4.5 mm) to No. 10 (2.0 mm)
Medium sand	No. 10 (2.0 mm) to No. 40 (0.42 mm)
Fine sand	No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt and Clay	Smaller than No. 200 (0.074mm)

COMPONENT PROPORTIONS

PROPORTION RANGE	DESCRIPTIVE TERMS
< 5%	Clean
5 - 12%	Slightly (Clayey, Silty, Sandy)
12 - 30%	Clayey, Silty, Sandy, Gravelly
30 - 50%	Very (Clayey, Silty, Sandy, Gravelly)
Components are arranged in order of increasing quantities.	

NOTES: Soil classifications presented on exploration logs are based on visual and laboratory observation.
Soil descriptions are presented in the following general order:

Density/consistency, color, modifier (if any) GROUP NAME, additions to group name (if any), moisture content. Proportion, gradation, and angularity of constituents, additional comments. (GEOLOGIC INTERPRETATION)

Please refer to the discussion in the report text as well as the exploration logs for a more complete description of subsurface conditions.

MOISTURE CONTENT

DRY	Absence of moisture, dusty, dry to the touch.
MOIST	Damp but no visible water.
WET	Visible free water, usually soil is below water table.

GeoSciences Inc.

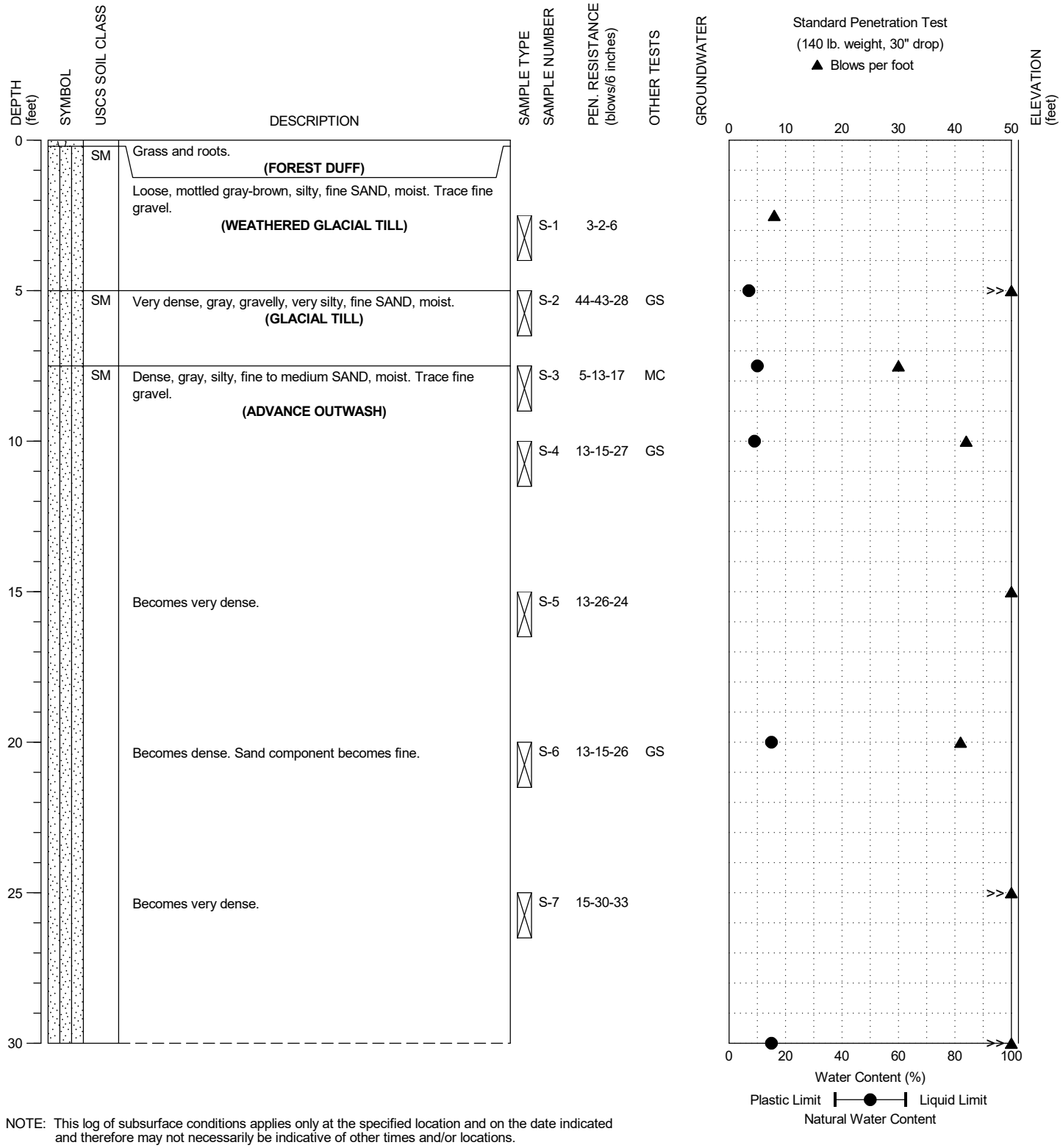
Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LEGEND OF TERMS AND SYMBOLS USED ON EXPLORATION LOGS

PROJECT NO.: 2023-229 FIGURE: A-1

DRILLING COMPANY: Holocene Drilling
DRILLING METHOD: Diedrich D50, HSA w/ 4.25" ID
SAMPLING METHOD: SPT w/ Autohammer
LOCATION: See Figure 2

DATE STARTED: 6/14/2024
DATE COMPLETED: 6/14/2024
LOGGED BY: C. McMullen



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

BORING:
HWA-1

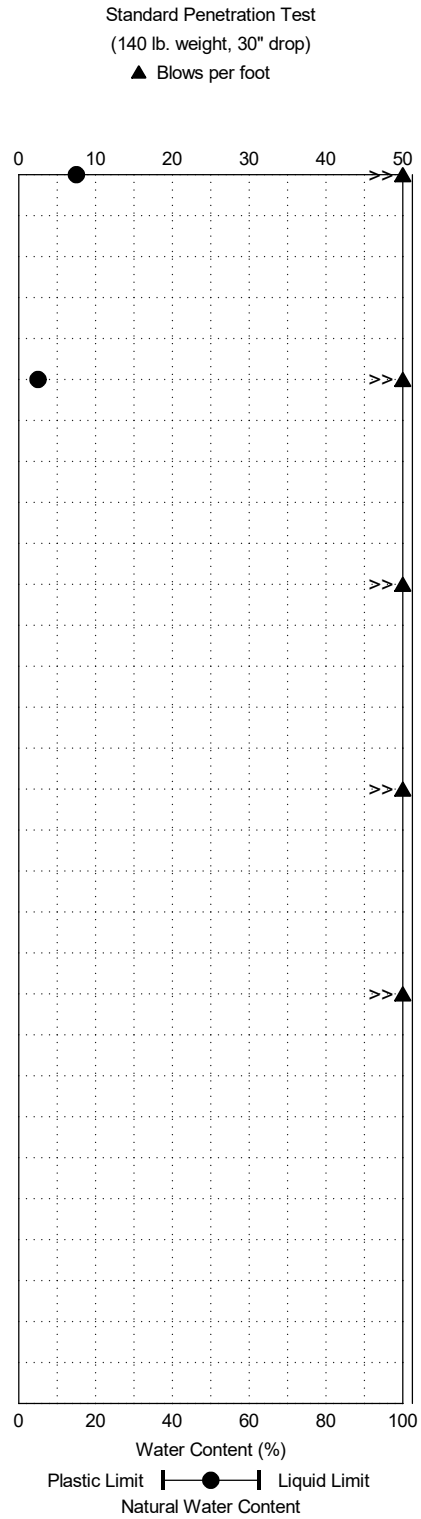
PROJECT NO.: 2023-229

FIGURE: A-2

DRILLING COMPANY: Holocene Drilling
DRILLING METHOD: Diedrich D50, HSA w/ 4.25" ID
SAMPLING METHOD: SPT w/ Autohammer
LOCATION: See Figure 2

DATE STARTED: 6/14/2024
DATE COMPLETED: 6/14/2024
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
30		SP SM	Very dense, gray, slightly silty, fine, poorly graded SAND, moist. Trace gravel.		S-8	18-35-37	GS
35					S-9	21-28-41	MC
40					S-10	17-27-31	
45					S-11	21-31-33	
50					S-12	27-50/5"	
55			HWA-1 terminated at about 50.9 feet below ground surface. Groundwater was not observed during exploration. Borehole backfilled with 3/8" bentonite chips.				
60							



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

BORING:
HWA-1

PROJECT NO.: 2023-229

FIGURE: A-2

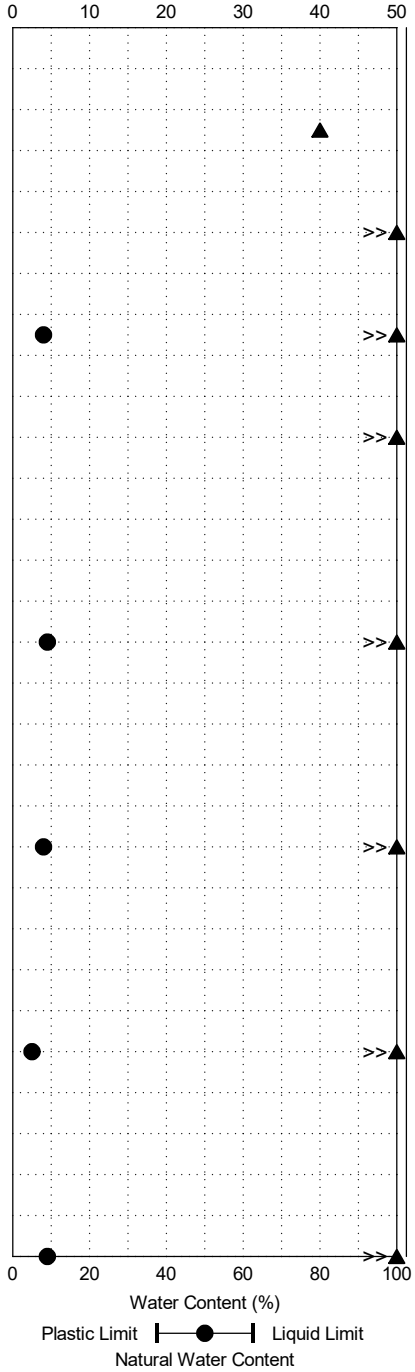
DRILLING COMPANY: Holocene Drilling
DRILLING METHOD: Diedrich D50, HSA w/ 4.25" ID
SAMPLING METHOD: SPT w/ Autohammer
LOCATION: See Figure 2

DATE STARTED: 6/13/2024
DATE COMPLETED: 6/13/2024
LOGGED BY: A. Heinze Fry

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
0		SM	Yellow-brown, gravelly, silty, fine SAND, moist. **(FOREST DUFF)**				
		SM	Dense, brownish olive gray with orange staining, gravelly, very silty, fine to medium SAND, moist. **(GLACIAL TILL)**		S-1	0-18-22	
5			Becomes very dense, slightly gravelly. Couple gravel sockets observed.		S-2	8-21-33	
					S-3	27-50/6"	GS
10			Trace fine gravel.		S-4	30-50/4"	
			Gravelly drilling from about 12 to 13 feet.				
15					S-5	50/6"	GS
20			2-inch gravelly layer at about 20.2 feet. Couple 1-inch decreased silt layers. Trace brown staining.		S-6	25-30-40	MC
25		SP SM	Very dense, olive gray, slightly silty, fine to medium, poorly graded SAND, moist. Trace coarse gravel. **(ADVANCE OUTWASH)**		S-7	27-50/6"	GS
30							

GROUNDWATER

Standard Penetration Test
(140 lb. weight, 30" drop)
▲ Blows per foot



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

BORING:
HWA-2

PROJECT NO.: 2023-229

FIGURE: A-3

BORING-DSM 2023-229.GPJ 7/29/24

DRILLING COMPANY: Holocene Drilling
DRILLING METHOD: Diedrich D50, HSA w/ 4.25" ID
SAMPLING METHOD: SPT w/ Autohammer
LOCATION: See Figure 2

DATE STARTED: 6/13/2024
DATE COMPLETED: 6/13/2024
LOGGED BY: A. Heinze Fry

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
30		SM	Very dense, olive gray, slightly silty, fine to medium, poorly graded SAND, moist.		S-8	30-50/4"	MC
35					S-9	38-50/5"	
40					S-10	11-15-47	GS
45					S-11	40-40-50/5"	
50					S-12	27-50/6"	
55			HWA-2 terminated at about 51 feet below ground surface. Groundwater was not observed during exploration. Borehole backfilled with 3/8" bentonite chips.				
60							

GROUNDWATER

Standard Penetration Test
(140 lb. weight, 30" drop)
▲ Blows per foot

0 10 20 30 40 50 >>

ELEVATION (feet)

0 20 40 60 80 100
Water Content (%)
Plastic Limit — Liquid Limit
Natural Water Content

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

GeoSciences Inc.

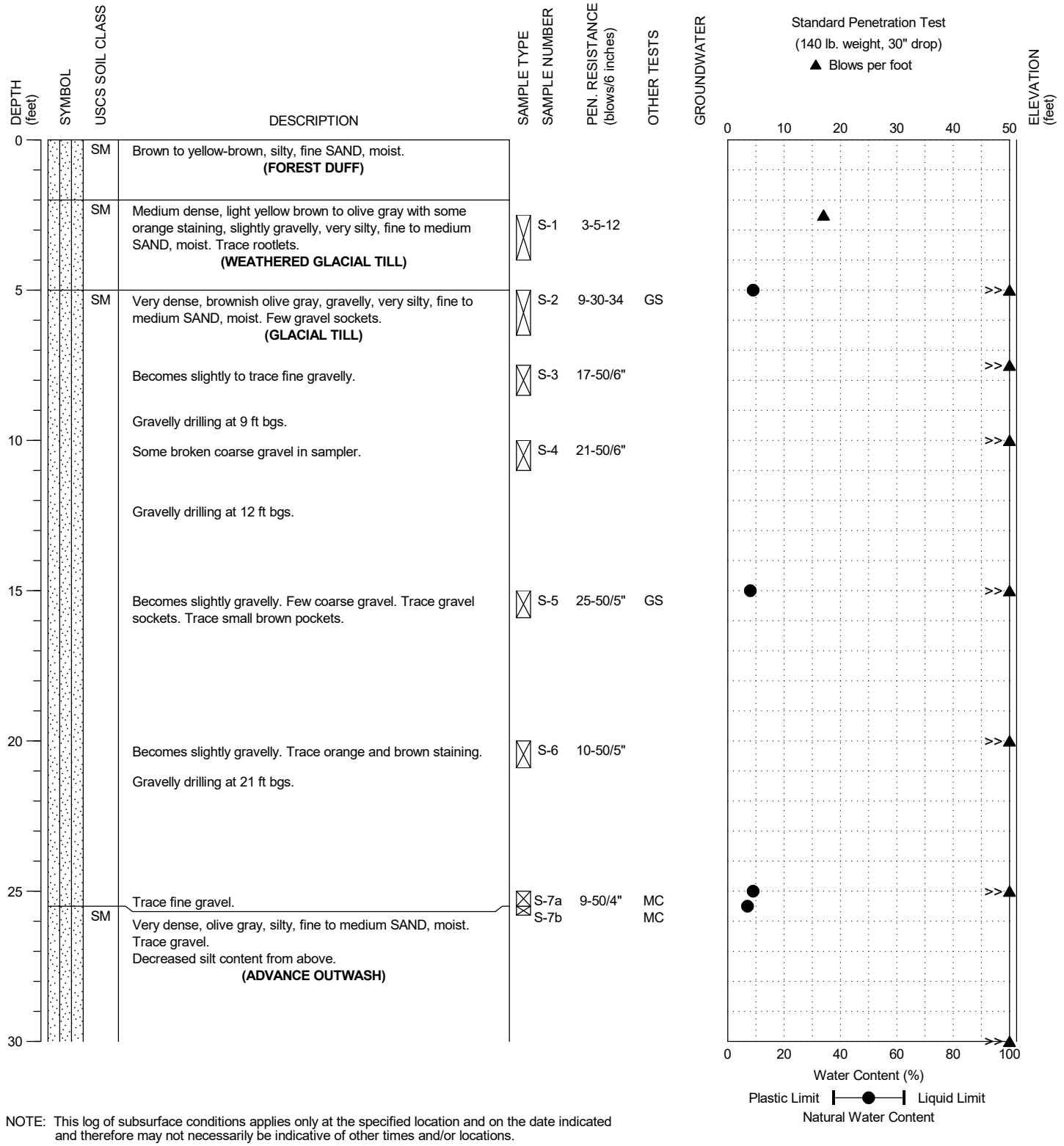
Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

BORING:
HWA-2

PROJECT NO.: 2023-229 FIGURE: A-3

DRILLING COMPANY: Holocene Drilling
DRILLING METHOD: Diedrich D50, HSA w/ 4.25" ID
SAMPLING METHOD: SPT w/ Autohammer
LOCATION: See Figure 2

DATE STARTED: 6/13/2024
DATE COMPLETED: 6/13/2024
LOGGED BY: A. Heinze Fry



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

BORING:
HWA-3

PROJECT NO.: 2023-229

FIGURE: A-4

DRILLING COMPANY: Holocene Drilling
DRILLING METHOD: Diedrich D50, HSA w/ 4.25" ID
SAMPLING METHOD: SPT w/ Autohammer
LOCATION: See Figure 2

DATE STARTED: 6/13/2024
DATE COMPLETED: 6/13/2024
LOGGED BY: A. Heinze Fry

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
30		SM	Very dense, olive gray, silty, fine to medium SAND, moist. Trace gravel. 4-inch fine gravel dominated layer at about 30.3 feet. Slight silt increase.		S-8	45-50/6"	
35			Trace gravel. Slight increase in moisture content.		S-9	13-41-49	GS
40			Decreased silt content. Sand component becomes more medium dominated. No gravel observed.		S-10	26-43-50	
45		SP SM	Very dense, olive gray, slightly silty, fine to medium, poorly graded SAND, moist. Trace gravel. Coarse gravel in tip.		S-11	15-33-48	GS
50			Becomes gravelly. Increased silt content. Coarse sand in 2-inch layer.		S-12	32-50/6"	
55			HWA-3 terminated at about 51 feet below ground surface. Groundwater was not observed during exploration. Borehole backfilled with 3/8" bentonite chips.				
60							

GROUNDWATER

Standard Penetration Test
(140 lb. weight, 30" drop)
▲ Blows per foot

0 10 20 30 40 50 >>

ELEVATION (feet)

0 20 40 60 80 100

Water Content (%)

Plastic Limit ⊢●⊣ Liquid Limit
Natural Water Content

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

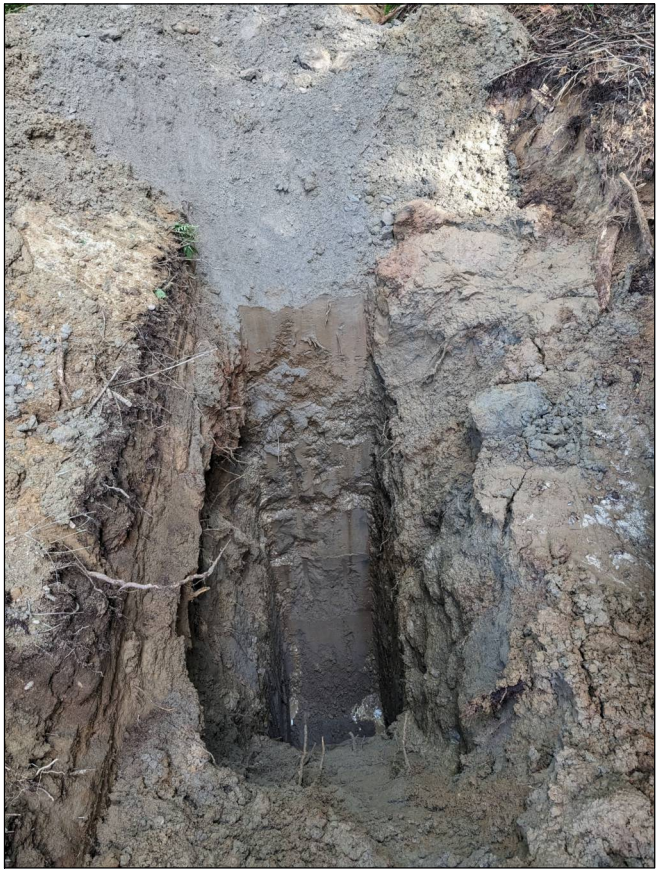
EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/4/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			3-inches TOPSOIL, moist.				
			(FOREST DUFF)				
		SP SM	Loose, mottled light-brown-gray, slightly silty, slightly gravelly, fine to medium SAND, moist.		S-1		
			(WEATHERED GLACIAL TILL)				
			Olive-brown, slightly gravelly, silty, fine to medium SAND.		S-2	17	GS
5			**(GLACIAL TILL)**				
			Many seeps below 2-foot infiltration test depth - from 2 feet to bottom.				
		SM					
10							
			Increased silt content.		S-3	13	GS
			Caved from 2 feet to 12 feet upon excavation to 14 feet.				
15			PIT-1 terminated at about 15 feet below ground surface.				
			Infiltration test conducted at 2 feet below ground surface.				
			Groundwater was not observed during exploration.				
			PIT backfilled excavated materials, tamped down.				
20							

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

TEST PIT PHOTO



HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT
PIT-1

PROJECT NO.: 2023-229 FIGURE: A-5

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/4/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			Dark brown FOREST DUFF.				
			(FOREST DUFF)				
		SM	Loose, light brown, slightly gravelly, silty, fine SAND. Occasional coarse gravel.		S-1		
			(WEATHERED GLACIAL TILL)				
			Infiltration test conducted at 2 feet. Excavation resumed on 6/4/2024.		S-2	13	GS
5			Very dense, olive-brown, silty SAND, moist. Trace gravel. Scattered coarse gravel and cobbles.				
			(GLACIAL TILL)				
			Becomes dark gray-brown. Slow seep at 5 feet after infiltration test. Slow seep at 7 feet after infiltration test.				
		SM					
10			Becomes very silty, slightly gravelly.		S-3	9	GS
15			PIT-2 terminated at about 13.5 feet below ground surface. Infiltration test conducted at 2 feet below ground surface. Groundwater was not observed during exploration. PIT backfilled excavated materials, tamped down.				
20							

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT
PIT-2

PROJECT NO.: 2023-229 FIGURE: A-6

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/4/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			3-inches Dark brown FOREST DUFF, moist.				
			(FOREST DUFF)				
		SM	Loose, light-brown, slightly fine gravelly, silty, fine SAND, moist.				
			(WEATHERED GLACIAL TILL)		S-1		
5			Gray with brown mottling, slightly fine gravelly, silty, fine SAND, moist. Slight medium to coarse sand component. Occasional cobbles.		S-2	13	GS
			(GLACIAL TILL)				
			Slow seep at 4 feet after infiltration test.				
		SM	Slow seep at 7 feet after infiltration test.				
10							
		GM	Dark gray-brown, silty, sandy GRAVEL, moist.		S-3	10	GS
15			PIT-3 terminated at about 15 feet below ground surface.				
			Infiltration test conducted at 2.5 feet below ground surface.				
			Groundwater was not observed during exploration.				
			PIT backfilled excavated materials, tamped down.				
20							

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

TEST PIT PHOTO

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT
PIT-3

PROJECT NO.: 2023-229 FIGURE: A-7

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/4/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0		SP SM	Brown, slightly silty, slightly gravelly, fine SAND, moist. Fine roots. **(FOREST DUFF)**		S-1		
					S-2		
		SP SM	Loose, mottled gray-brown, slightly gravelly, slightly silty, fine SAND, moist. **(WEATHERED GLACIAL TILL)**				
5		SM	Very dense, olive-brown, very silty, fine to medium SAND, moist. Trace gravel. Includes mottled zones to about 6 feet. Excavated in chunks. **(GLACIAL TILL)**		S-3	10	GS
10		SM	Very dense, gray, slightly gravelly, silty, fine to medium SAND, moist. Fewer chunks while excavating below 8 feet. Decreased silt content. **(ADVANCE OUTWASH)**		S-4		
15			TP-1 terminated at about 14 feet below ground surface. Groundwater was not observed during exploration. Test pit backfilled excavated materials, tamped down.				
20							

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT TP-1

PROJECT NO.: 2023-229 FIGURE: A-8

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/4/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			Grass, roots.				
			(FOREST DUFF)				
		SM	Loose, dark yellow-brown, fine gravelly, silty, fine to medium SAND, moist. Occasional coarse gravel and cobbles. **(WEATHERED GLACIAL TILL)**		S-1	12	GS
5			Mottles to gray at about 7 feet.				
		SM	Dense to very dense, gray, slightly gravelly, slightly silty, fine to medium SAND, moist. Grades from dense to very dense between 8 and 9 feet. **(GLACIAL TILL)**		S-2		
10					S-3		
15			TP-2 terminated at about 14 feet below ground surface. Groundwater was not observed during exploration. Test pit backfilled excavated materials, tamped down.				
20							

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT TP-2

PROJECT NO.: 2023-229 FIGURE: A-9

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/4/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			Grass, roots.				
			(FOREST DUFF)				
			Very dense, gray-brown, slightly fine gravelly, silty, fine to medium SAND, moist. Some coarse sand. Excavated in chunks.				
			(GLACIAL TILL)				
5		SM			S-1	9	GS
			Decreased silt content at about 8 feet. Easier excavation.				
			Increased silt content at about 9 feet. Harder excavation.				
10			TP-3 terminated at about 10 feet below ground surface.				
			Groundwater was not observed during exploration.				
			Test pit backfilled excavated materials, tamped down.				
15							
20							

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT
TP-3

PROJECT NO.: 2023-229 FIGURE: A-10

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/3/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE / SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			Grass, roots.			
			(FOREST DUFF)			
		SM	Loose, light brown, slightly fine gravelly, silty, fine SAND, moist.	S-1		
			(WEATHERED GLACIAL TILL)			
			Very dense, light olive-brown, slightly fine gravelly, silty, fine SAND, moist. Occasional coarse gravel and cobbles. Iron oxide banding at top.	S-2	12	GS
5			**(GLACIAL TILL)**			
		SM				
			Decreased silt content at about 9.5 feet.	S-3		
10						
			TP-4 terminated at about 13 feet below ground surface. Groundwater was not observed during exploration. Test pit backfilled excavated materials, tamped down.			
15						
20						

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT TP-4

PROJECT NO.: 2023-229 FIGURE: A-11

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/4/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			**(FOREST DUFF)**		S-1		
		SM	Brown, slightly fine gravelly, silty SAND, moist. **(WEATHERED GLACIAL TILL)** Gray-brown mottling transition zone from 2 to 4 feet.		S-2		
5		SM	Very dense, olive-gray, very silty SAND, moist. Trace gravel. **(GLACIAL TILL)**		S-3	8	GS
					S-4		
10			TP-5 terminated at about 9 feet below ground surface. Groundwater was not observed during exploration. Test pit backfilled excavated materials, tamped down.				
15							
20							

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT TP-5

PROJECT NO.: 2023-229 FIGURE: A-12

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/3/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			Dark brown, FOREST DUFF. **(FOREST DUFF)**				
		SM	Olive-brown, slightly fine gravelly, silty, fine SAND, moist. **(WEATHERED GLACIAL TILL)** Fine to coarse gravel, scattered cobbles.		S-1		
					S-2	14	GS
5		SM	Dense, gray, slightly fine gravelly, silty, fine to coarse SAND with scattered cobbles, moist. **(GLACIAL TILL)** Becomes very dense at about 5 feet.				
10					S-3		
			TP-6 terminated at about 11.5 feet below ground surface. Groundwater was not observed during exploration. Test pit backfilled excavated materials, tamped down.				
15							
20							

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT TP-6

PROJECT NO.: 2023-229 FIGURE: A-13

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/3/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			Dark brown, FOREST DUFF. **(FOREST DUFF)**				
		SM	Loose, dark yellow-brown, silty, fine gravelly, fine to medium SAND, moist. Some coarse sand component. **(WEATHERED GLACIAL TILL)** Transitions to unweathered between 3 and 4 feet.		S-1	10	GS
5		SM	Very dense, gray, slightly gravelly, silty, fine to coarse SAND with scattered cobbles, moist. **(GLACIAL TILL)**				
			Excavating in chunks.		S-2		
10			TP-7 terminated at about 12 feet below ground surface. Groundwater was not observed during exploration. Test pit backfilled excavated materials, tamped down.				
15							
20							

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

TEST PIT PHOTO

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT TP-7

PROJECT NO.: 2023-229 FIGURE: A-14

EXCAVATION COMPANY: Northwest Excavating & Trucking Co., Inc.
EXCAVATING EQUIPMENT: Excavator: Cat 312DL with 36" bucket

LOCATION: See Figure 2
DATE COMPLETED: 6/3/24
LOGGED BY: C. McMullen

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	MOISTUE CONTENT (%)	OTHER TESTS
0			**(FOREST DUFF)**				
		SM	Loose, yellow-brown, silty, fine gravelly, fine SAND, moist. Occasional coarse gravel. **(WEATHERED GLACIAL TILL)**		S-1	12	GS
			Very dense, gray, slightly gravelly, silty, fine SAND, moist. Occasional cobbles. **(GLACIAL TILL)**		S-2		
5		SM	Very dense digging.				
10					S-3		
			TP-8 terminated at about 11.5 feet below ground surface. Groundwater was not observed during exploration. Test pit backfilled excavated materials, tamped down.				
15							
20							

TEST PIT PHOTO

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

HWA GEOSCIENCES INC.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

LOG OF TEST PIT TP-8

PROJECT NO.: 2023-229 FIGURE: A-15

APPENDIX B

LABORATORY TESTING

APPENDIX B

LABORATORY SOIL TESTING

Soil samples were transported to HWA GeoSciences, Inc.'s geotechnical laboratory. Laboratory testing was performed in general accordance with the ASTM International (ASTM) standard test methods noted below. The field log descriptions were reviewed against the laboratory samples and updated, where appropriate, in general accordance with ASTM standard D2487, *Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)*.

Natural Moisture Content

Natural moisture content determinations were performed on select soil samples in general accordance with ASTM standard test method D2216, *Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil and Rock by Mass.* The natural moisture content is provided on Figures B-1 and B-2 and on the exploration logs on Figures A-2 through A-15.

Grain Size Analysis

Grain size analyses were performed on select soil samples in general accordance with ASTM standard test method D6913-04, *Standard Test Methods for Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis.* Generalized summaries of the results of the grain size analyses are presented on Figures B-1 and B-2. The results of the grain size analyses are presented on Figures B-3 through B-11.

EXPLORATION DESIGNATION	TOP DEPTH (feet)	BOTTOM DEPTH (feet)	MOISTURE CONTENT (%)	ORGANIC CONTENT (%)	SPECIFIC GRAVITY	ATTERBERG LIMITS (%)			% GRAVEL	% SAND	% FINES	ASTM SOIL CLASSIFICATION	SAMPLE DESCRIPTION
						LL	PL	PI					
HWA-1,S-2	5.0	6.5	6.8						17.8	51.4	30.8	SM	Grayish-brown, silty SAND with gravel
HWA-1,S-3	7.5	9.0	10.0									SM	Olive-brown, silty SAND
HWA-1,S-4	10.0	11.5	8.5						2.7	82.6	14.7	SM	Olive-brown, silty SAND
HWA-1,S-6	20.0	21.5	15.5						0.5	85.9	13.6	SM	Olive-brown, silty SAND
HWA-1,S-8	30.0	31.5	14.6						1.3	87.3	11.3	SP-SM	Olive-brown, poorly graded SAND with silt
HWA-1,S-9	35.0	36.5	5.0									SP-SM	Olive-gray, poorly graded SAND with silt
HWA-2,S-3	7.5	8.5	8.1						7.7	56.7	35.6	SM	Grayish-brown, silty SAND
HWA-2,S-5	15.0	15.5	8.5						3.7	53.5	42.7	SM	Grayish-brown, silty SAND
HWA-2,S-6	20.0	21.5	7.9									SM	Grayish-brown, silty SAND
HWA-2,S-7	25.0	26.0	5.3						1.3	89.9	8.8	SP-SM	Dark grayish-brown, poorly graded SAND with silt
HWA-2,S-8	30.0	30.8	8.9									SP-SM	Dark grayish-brown, poorly graded SAND with silt
HWA-2,S-10	40.0	41.5	8.6						2.6	87.5	9.9	SP-SM	Dark grayish-brown, poorly graded SAND with silt
HWA-3,S-2	5.0	6.5	8.8						18.9	49.0	32.1	SM	Grayish-brown, silty SAND with gravel
HWA-3,S-5	15.0	15.9	7.9						11.3	49.3	39.5	SM	Olive-gray, silty SAND
HWA-3,S-7a	25.0	25.5	9.0									SM	Olive-gray, silty SAND
HWA-3,S-7b	25.5	25.8	6.8									SM	Gray, silty SAND
HWA-3,S-9	35.0	36.5	10.1						2.2	79.5	18.3	SM	Olive-gray, silty SAND
HWA-3,S-11	45.0	46.5	6.0						4.8	87.5	7.7	SP-SM	Olive-gray, poorly graded SAND with silt
PIT-1,S-2	3.5	4.5	17.5						7.7	75.9	16.4	SM	Olive-brown, silty SAND
PIT-1,S-3	13.0	14.0	13.0						0.5	73.5	26.0	SM	Dark gray, silty SAND

Notes: 1. This table summarizes information presented elsewhere in the report and should be used in conjunction with the report test, other graphs and tables, and the exploration logs.
2. The soil classifications in this table are based on ASTM D2487 and D2488 as applicable.

GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

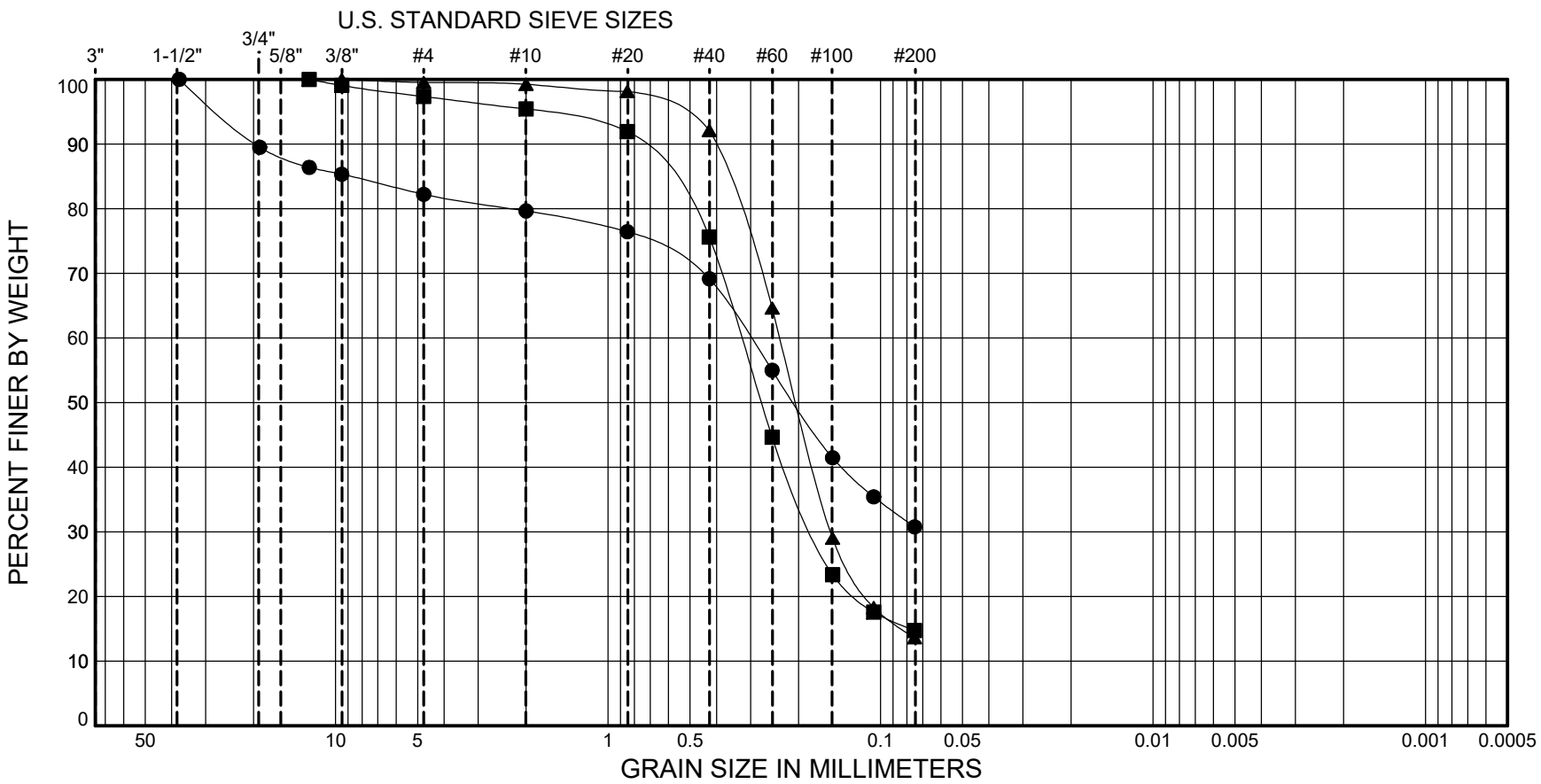
SUMMARY OF MATERIAL PROPERTIES

PROJECT NO.: 2023-229 FIGURE: B-1

EXPLORATION DESIGNATION	TOP DEPTH (feet)	BOTTOM DEPTH (feet)	MOISTURE CONTENT (%)	ORGANIC CONTENT (%)	SPECIFIC GRAVITY	ATTERBERG LIMITS (%)			% GRAVEL	% SAND	% FINES	ASTM SOIL CLASSIFICATION	SAMPLE DESCRIPTION
						LL	PL	PI					
PIT-2,S-2	3.0	4.0	13.3						2.6	78.9	18.5	SM	Olive-brown, silty SAND
PIT-2,S-3	9.0	10.0	9.3						10.6	54.0	35.4	SM	Dark grayish-brown, silty SAND
PIT-3,S-2	4.0	5.0	13.2						5.1	67.0	27.9	SM	Olive-brown, silty SAND
PIT-3,S-3	14.0	15.0	10.1						53.8	27.2	19.0	GM	Dark grayish-brown, silty GRAVEL with sand
TP-1,S-3	4.5	5.0	10.1						4.6	55.0	40.4	SM	Olive-brown, silty SAND
TP-2,S-1	3.0	4.0	11.7						15.4	59.0	25.6	SM	Dark yellowish-brown, silty SAND with gravel
TP-3,S-1	4.0	5.0	8.8						7.0	63.6	29.5	SM	Grayish-brown, silty SAND
TP-4,S-2	3.0	4.0	12.3						7.8	73.4	18.8	SM	Light olive-brown, silty SAND
TP-5,S-3	6.0	6.5	8.2						2.8	62.0	35.3	SM	Olive-gray, silty SAND
TP-6,S-2	2.0	3.0	13.7						6.7	73.6	19.7	SM	Olive-brown, silty SAND
TP-7,S-1	1.0	2.0	10.2						23.8	59.4	16.8	SM	Dark yellowish-brown, silty SAND with gravel
TP-8,S-1	1.0	2.0	11.7						14.9	72.0	13.1	SM	Yellowish-brown, silty SAND

Notes: 1. This table summarizes information presented elsewhere in the report and should be used in conjunction with the report test, other graphs and tables, and the exploration logs.
2. The soil classifications in this table are based on ASTM D2487 and D2488 as applicable.

GRAVEL		SAND			SILT	CLAY
Coarse	Fine	Coarse	Medium	Fine		



SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	HWA-1	S-2	5.0 - 6.5	(SM) Grayish-brown, silty SAND with gravel	7				17.8	51.4			30.8
■	HWA-1	S-4	10.0 - 11.5	(SM) Olive-brown, silty SAND	9				2.7	82.6			14.7
▲	HWA-1	S-6	20.0 - 21.5	(SM) Olive-brown, silty SAND	15				0.5	85.9			13.6

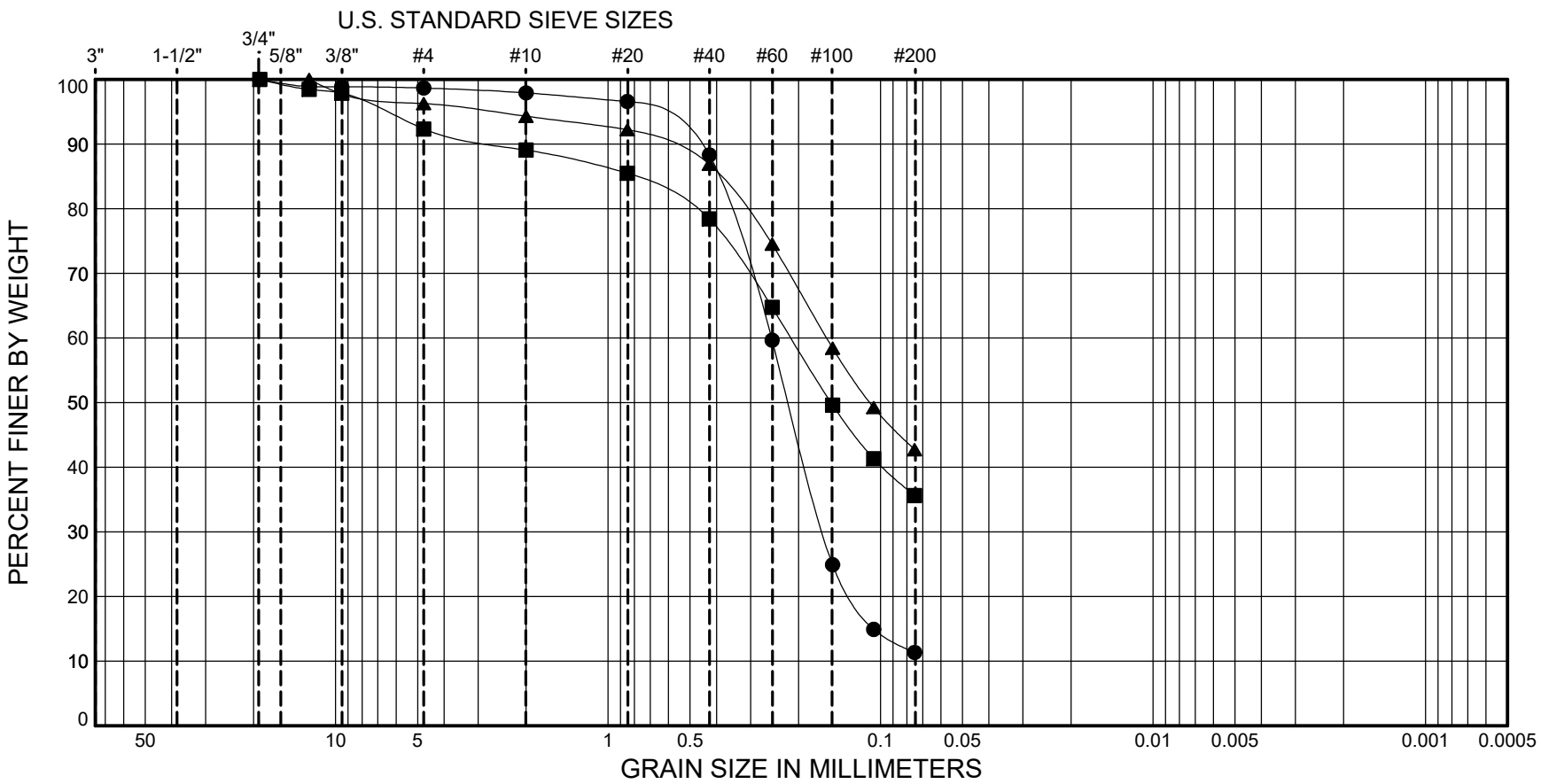
HWA GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

PARTICLE-SIZE ANALYSIS OF SOILS METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-3

GRAVEL		SAND			SILT	CLAY
Coarse	Fine	Coarse	Medium	Fine		



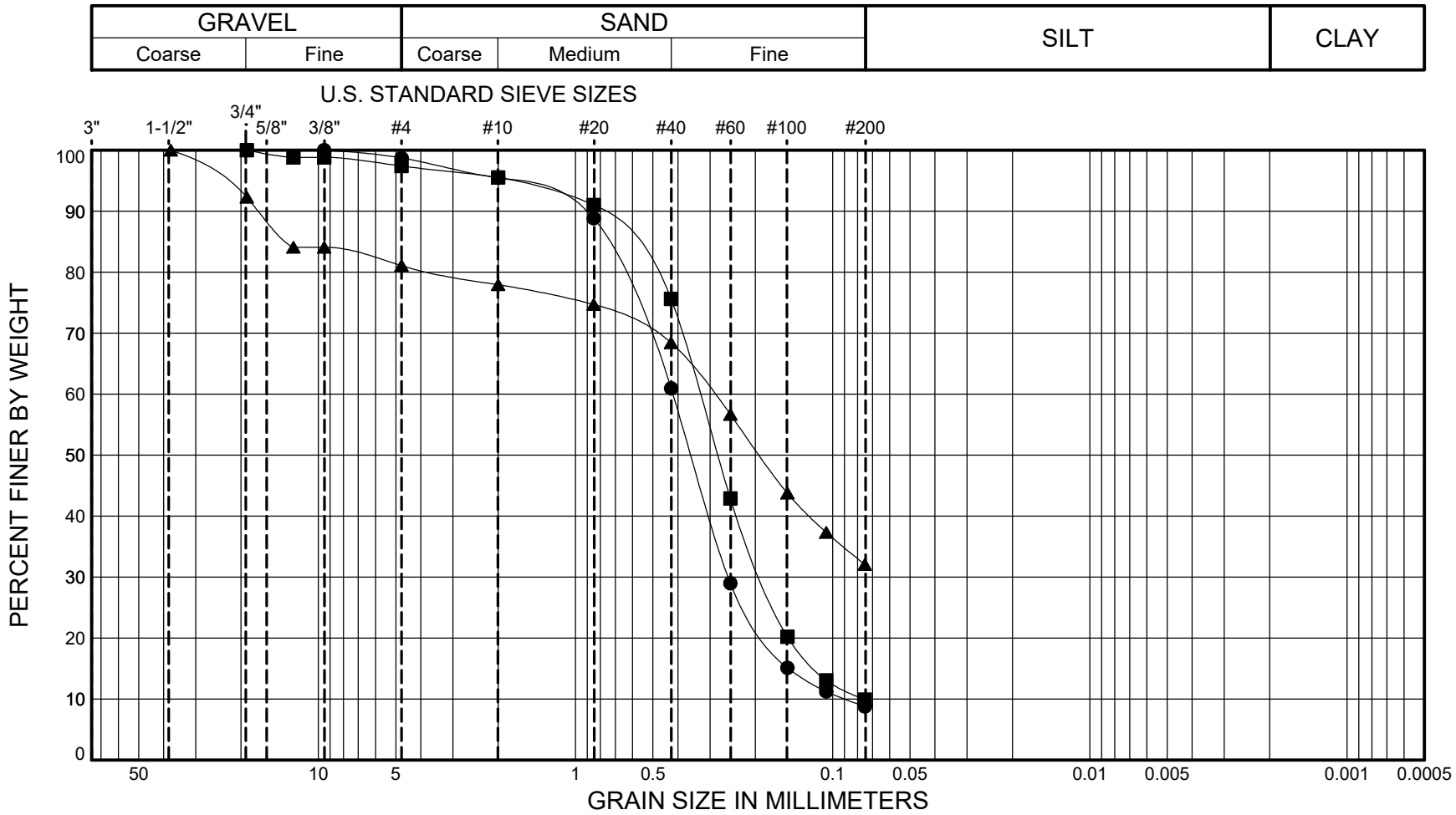
SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	HWA-1	S-8	30.0 - 31.5	(SP-SM) Olive-brown, poorly graded SAND with silt	15				1.3	87.3			11.3
■	HWA-2	S-3	7.5 - 8.5	(SM) Grayish-brown, silty SAND	8				7.7	56.7			35.6
▲	HWA-2	S-5	15.0 - 15.5	(SM) Grayish-brown, silty SAND	9				3.7	53.5			42.7

HWA GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

PARTICLE-SIZE ANALYSIS OF SOILS METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-4



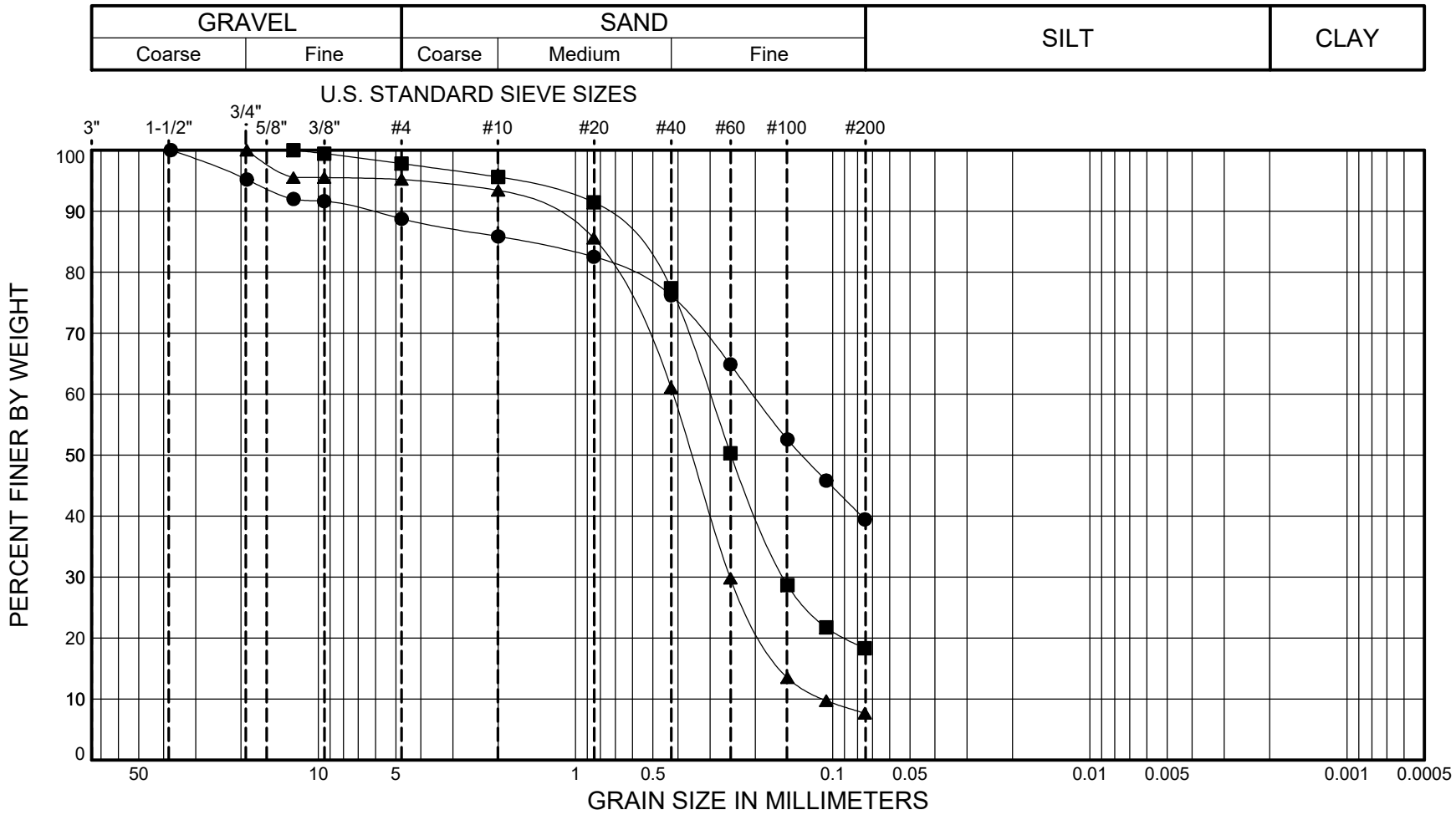
SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	HWA-2	S-7	25.0 - 26.0	(SP-SM) Dark grayish-brown, poorly graded SAND with silt	5				1.3	89.9			8.8
■	HWA-2	S-10	40.0 - 41.5	(SP-SM) Dark grayish-brown, poorly graded SAND with silt	9				2.6	87.5			9.9
▲	HWA-3	S-2	5.0 - 6.5	(SM) Grayish-brown, silty SAND with gravel	9				18.9	49.0			32.1

HWA GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

PARTICLE-SIZE ANALYSIS OF SOILS METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-5



SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	HWA-3	S-5	15.0 - 15.9	(SM) Olive-gray, silty SAND	8				11.3	49.3			39.5
■	HWA-3	S-9	35.0 - 36.5	(SM) Olive-gray, silty SAND	10				2.2	79.5			18.3
▲	HWA-3	S-11	45.0 - 46.5	(SP-SM) Olive-gray, poorly graded SAND with silt	6				4.8	87.5			7.7

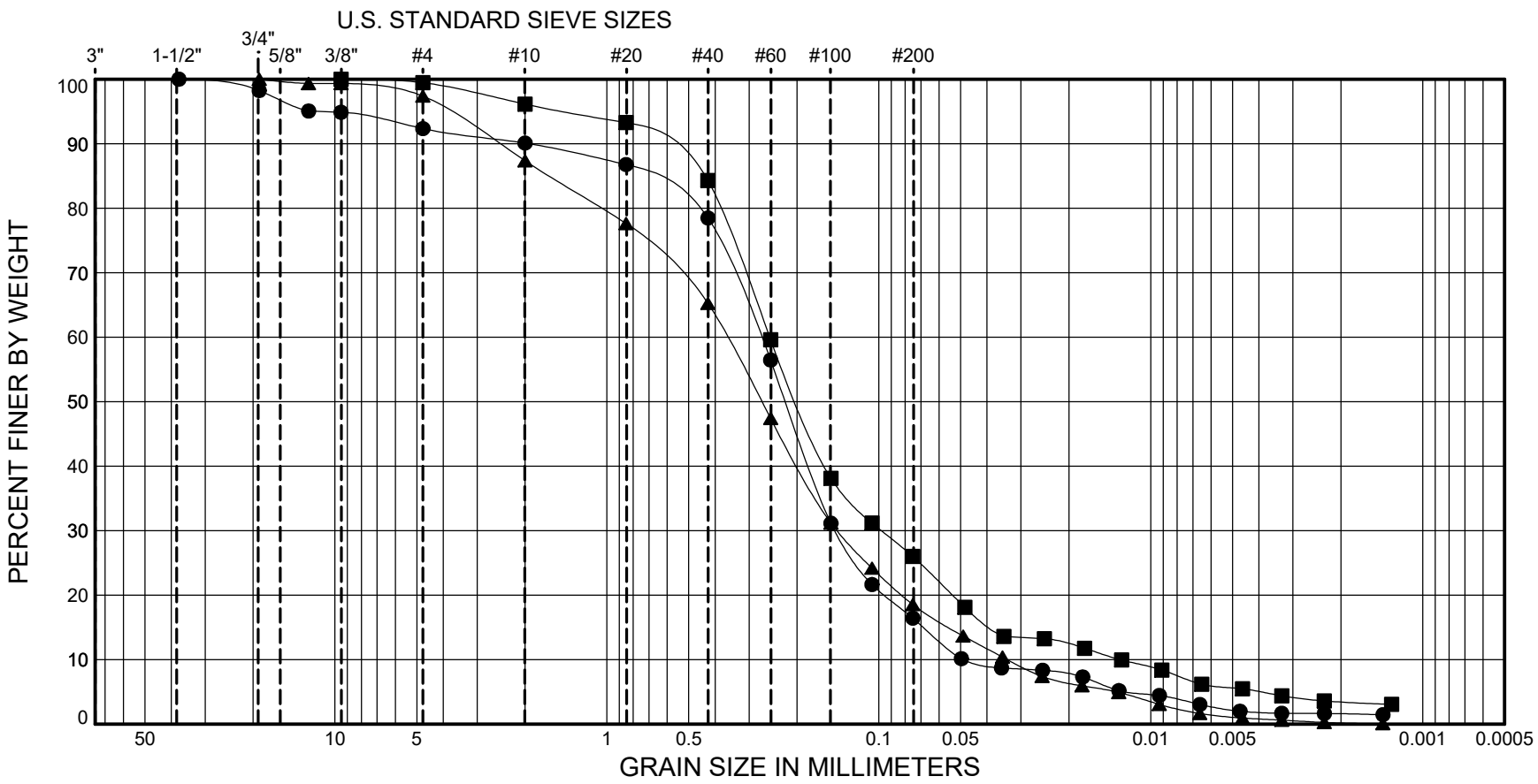
HWA GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-6

GRAVEL		SAND			SILT	CLAY
Coarse	Fine	Coarse	Medium	Fine		



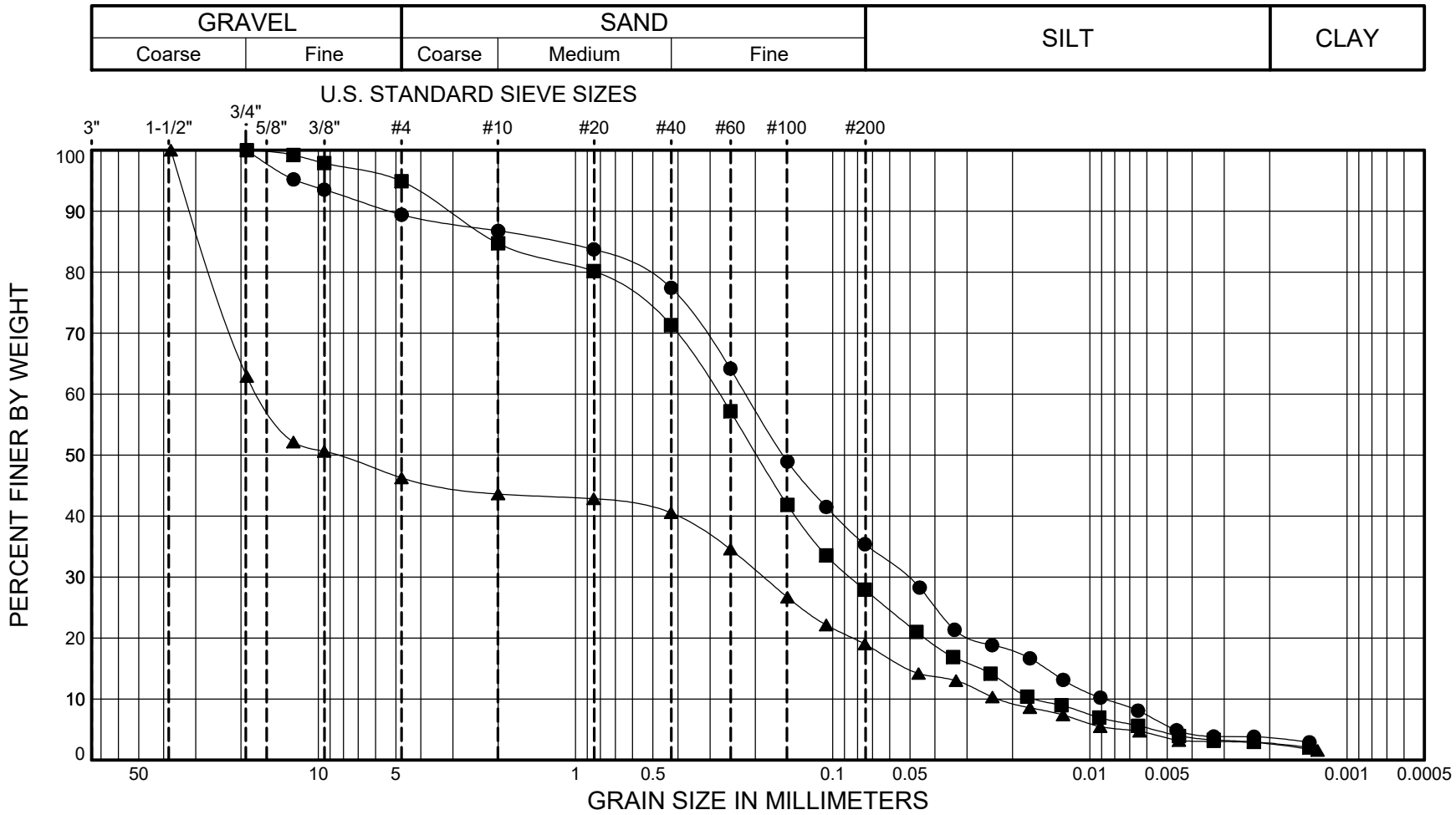
SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	PIT-1	S-2	3.5 - 4.5	(SM) Olive-brown, silty SAND	17				7.7	75.9	14.8	1.6	
■	PIT-1	S-3	13.0 - 14.0	(SM) Dark gray, silty SAND	13				0.5	73.5	22.5	3.5	
▲	PIT-2	S-2	3.0 - 4.0	(SM) Olive-brown, silty SAND	13				2.6	78.9	18.3	0.2	

HWA GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-7



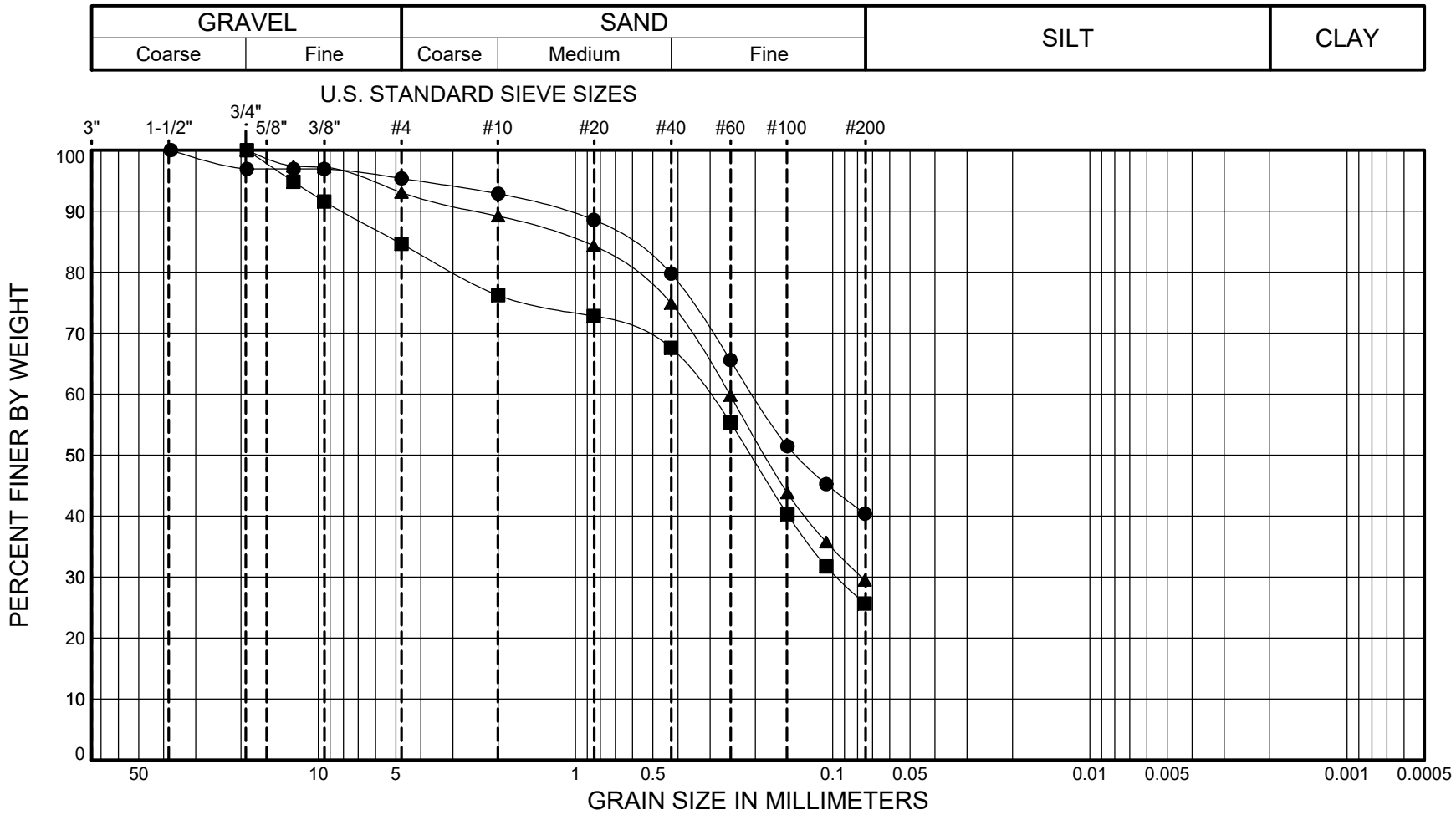
SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	PIT-2	S-3	9.0 - 10.0	(SM) Dark grayish-brown, silty SAND	9				10.6	54.0	31.8	3.6	
■	PIT-3	S-2	4.0 - 5.0	(SM) Olive-brown, silty SAND	13				5.1	67.0	25.2	2.7	
▲	PIT-3	S-3	14.0 - 15.0	(GM) Dark grayish-brown, silty GRAVEL with sand	10				53.8	27.2	16.5	2.6	

HWA GeoSciences Inc.

Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-8



SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	TP-1	S-3	4.5 - 5.0	(SM) Olive-brown, silty SAND	10				4.6	55.0			40.4
■	TP-2	S-1	3.0 - 4.0	(SM) Dark yellowish-brown, silty SAND with gravel	12				15.4	59.0			25.6
▲	TP-3	S-1	4.0 - 5.0	(SM) Grayish-brown, silty SAND	9				7.0	63.6			29.5

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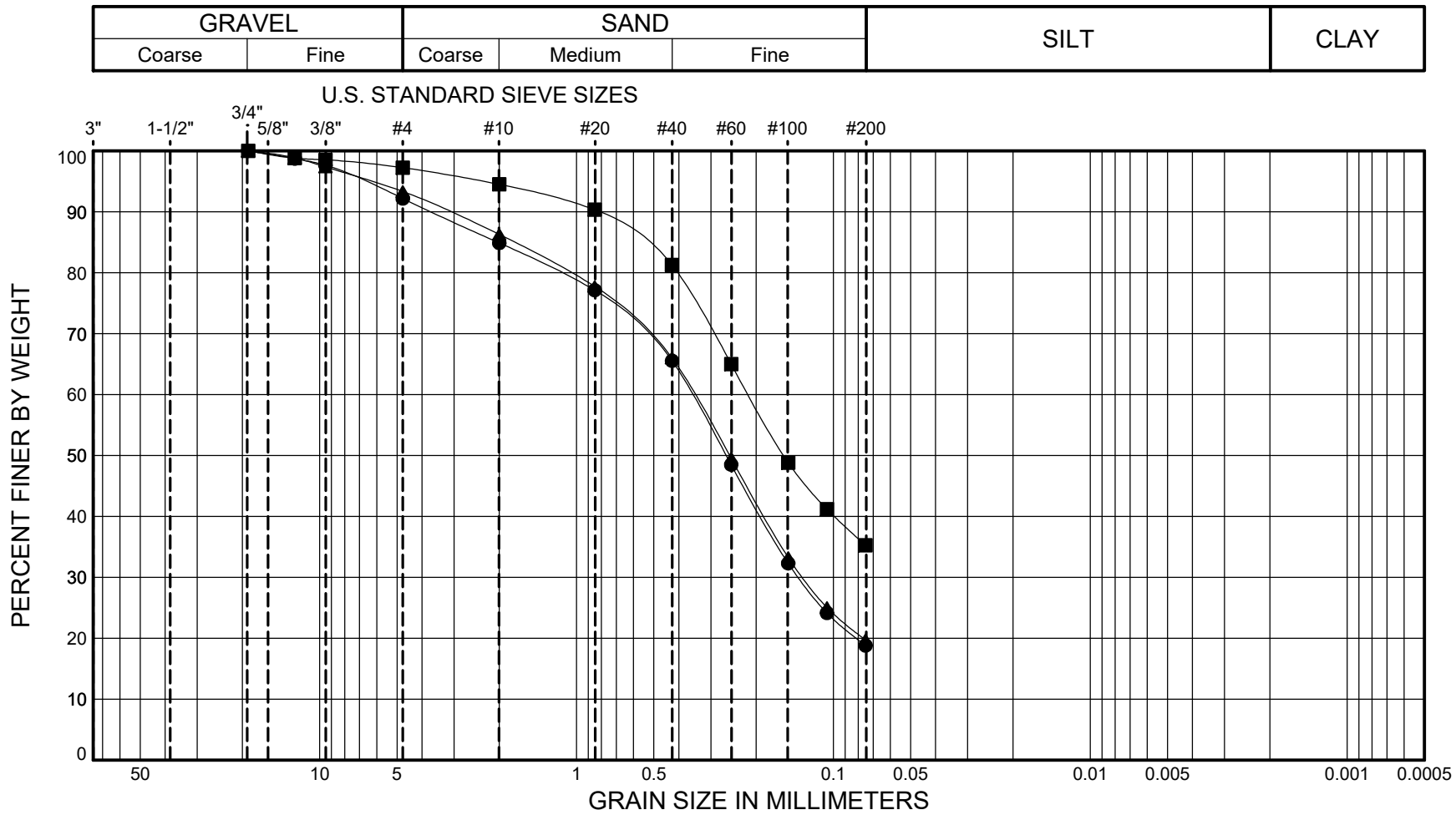
Port Gamble Forest Heritage Park
North Gateway Parking Lot
Kitsap County, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-9



SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	TP-4	S-2	3.0 - 4.0	(SM) Light olive-brown, silty SAND	12				7.8	73.4			18.8
■	TP-5	S-3	6.0 - 6.5	(SM) Olive-gray, silty SAND	8				2.8	62.0			35.3
▲	TP-6	S-2	2.0 - 3.0	(SM) Olive-brown, silty SAND	14				6.7	73.6			19.7

HWA GeoSciences Inc.

Port Gamble Forest Heritage Park
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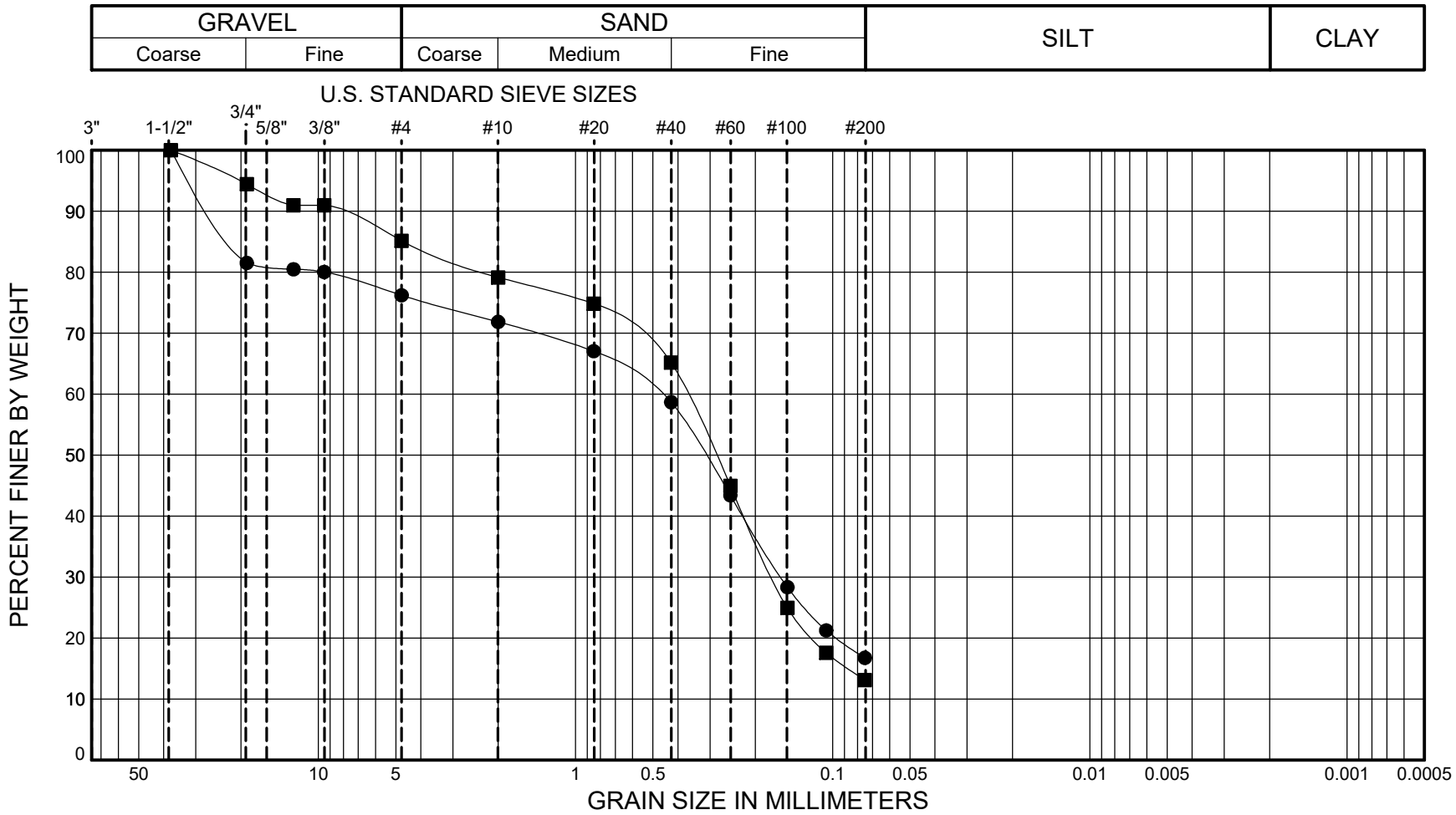
PARTICLE-SIZE ANALYSIS
OF SOILS
METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-10



SYMBOL	SAMPLE		DEPTH (ft.)	ASTM SOIL CLASSIFICATION	% MC	LL	PL	PI	Gravel %	Sand %	Silt %	Clay %	Fines %
●	TP-7	S-1	1.0 - 2.0	(SM) Dark yellowish-brown, silty SAND with gravel	10				23.8	59.4			16.8
■	TP-8	S-1	1.0 - 2.0	(SM) Yellowish-brown, silty SAND	12				14.9	72.0			13.1

HWA GeoSciences Inc.

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PARTICLE-SIZE ANALYSIS OF SOILS METHODS ASTM D6913/D7928

PROJECT NO.: 2023-229 FIGURE: B-11

Kitsap County

619 Division Street, MS-36, Port Orchard WA 98366
(360) 337-5777
www.kitsapgov.com/dcd

24-04919

C-MISC

PROJECT NAME: KITSAP COUNTY PARKS - PGFHP North Gateway Parking Lot - Waterless Restroom
SITE ADDRESS: 3800 NE CARVER DR

ISSUED: 4/3/2025
EXPIRES: 4/3/2026

PARCEL: 182702-1-014-2005
Zone: P

Setbacks:
Front: 20' minimum
Rear: 10' minimum
Side 1: 10' minimum
Side 2: 10' minimum
Other: Element of N. Gateway Park -connected to Port Gamble Master Plan

APPLICANT:
KITSAP COUNTY PARKS
1200 NW FAIRGROUNDS RD
BREMERTON, WA 98311-8504

OWNER:
KITSAP COUNTY PARKS
1200 NW FAIRGROUNDS RD
BREMERTON, WA 98311-8504

AUTHORIZED AGENT:
Wilde, Mallory
60 Washington Ave, Suite 390
Bremerton, WA 98337
1-360-850-5325

GEOLOGIST:
HWA GEOSCIENCES INC
21312 30TH DR SE STE 110
BOTHELL, WA 98021
4257740106

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BOTHELL, WA 98021
4257740106

VALUATIONS:

U Utility, Miscellaneous - Type V-B - Enter Square Footage	57.00	$3,789.36
Total:		**$3,789.36**

FEES:

	Paid	Due
Commercial Mechanical and Plumbing Fee		$0.00
Permit Center Base Fee	$90.00	$0.00
Building Permit Fee, Commercial (all except TI)	$51.92	$0.00
Certificate of Occupancy	$145.00	$0.00
Technology Fee	$4.35	$0.00
Technology Fee		$0.00
Technology Fee	$1.56	$0.00
State Surcharge Commercial	$25.00	$0.00
Road Impact Fee		$0.00
Total Due:		**$0.00**

REQUIRED INSPECTIONS

Kitsap County

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24-04919 **C-MISC**

PROJECT NAME: KITSAP COUNTY PARKS - PGFHP North Gateway Parking Lot - Waterless Restroom
SITE ADDRESS: 3800 NE CARVER DR

ISSUED: 4/3/2025
EXPIRES: 4/3/2026

- Commercial On-site preconstruction meeting
- Commercial Temporary Silt & Erosion Control. ---------- Note: This is not a standalone inspection, it will be done with all building inspections and will not be approved until final inspection. You will not need to request this inspection unless you're instructed to by your Inspector.
- Commercial Foundation, Footing Inspection
- Commercial Foundation, Stem Wall Inspection
- Commercial Underfloor framing (prior to sub-floor)
- Commercial Exterior Shear Wall Nailing Inspection
- Commercial Interior Shear Wall Nailing Inspection
- Commercial Mechanical, Ventilation Rough-In Inspection
- Commercial Plumbing, Rough-In Inspection
- Commercial Framing Inspection
- Commercial Insulation Inspection
- Commercial Gypsum Wallboard Inspection
- Inspect site for compliance with land use conditions
- Landscape Inspection
- Commercial Final Building Inspection
- Commercial CO Inspection Fire Marshal
- Framing Inspection
- Final Field Inspection

CONDITIONS

Permit Expiration: Building permits expire 365 days after permit issuance, or 180 days after the last approved inspection activity is performed. The Building Official may extend the time for action for a period not exceeding 180 days, upon the receipt of a written extension request indicating that circumstances beyond the control of the permit holder have prevented action from being taken. Additional fees may be due to reactivate the permit. _____

ELECTRICAL WORK. If electrical work is proposed, a separate electrical permit is required. You can contact Labor and Industries (L&I) at www.lni.wa.gov to obtain an electrical permit. Electrical systems must be inspected by L&I prior to requesting a framing inspection and final approval granted prior to requesting a final building inspection from the Department of Community Development. _____

Reinspection Fee: All approved plans for this permit and the printed building permit with conditions are required to be on-site for inspection purposes, and work to be inspected shall be complete and ready for inspection. If an inspection is called for and plans are not available on site, or the work is not ready for inspection, or if previously identified corrections have not been made, approval will not be granted. In addition, a re-inspection fee will be charged and must be collected by the Department of Community Development prior to any further inspections being performed or approvals granted. _____

Final Inspection Required: All building permits shall have a final inspection performed and approved by the Kitsap County Department of Community Development prior to permit expiration. The failure to request a final inspection or failure to obtain final approval prior to expiration will be documented in the legal property records on file with Kitsap County as being non-compliant with Kitsap County ordinances and building regulations and will be referred to Kitsap County Code Compliance for action. _____

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SITE ADDRESS: 3800 NE CARVER DR

ISSUED: 4/3/2025
EXPIRES: 4/3/2026

Certificate of Occupancy. All buildings require a certificate of occupancy. No building or structure shall be used or occupied, until a final inspection has been approved and a certificate of occupancy issued. Issuance of a certificate of occupancy shall not be construed as an approval of any violation of the provisions of this code or of other ordinances of the jurisdiction. Certificates presuming to give authority to violate or cancel the provisions of this code or other ordinances of the jurisdiction shall not be valid. _____

A separate permit is required for each proposed sign. _____

Commercial Address: Numerals for commercial buildings shall be conspicuously displayed on a contrasting background and shall be a minimum of 12 inches in height with a minimum stroke of 1-1/2 inches when within 50 feet of the way of travel. Buildings located between 50 and 100 feet from the way of travel shall have numerals a minimum height of 18 inches with a minimum stroke of 2 inches. Buildings located more than 100 feet from the way of travel shall have numerals a minimum of 24 inches in height with a minimum stroke of 2-1/2 inches. Numerals designating suite numbers shall be a minimum of 4 inches in height. All sizes may be reduced by 50 percent if numerals are illuminated 24 hours per day. If the building is not clearly visible from a named way of travel, the numerical designation (address) shall also be displayed near the main entrance to the property as well as at the driveway entrance that leads to the building. Property addresses shall be posted prior to requesting any inspections. If property addresses are not posted upon inspection, inspection will not be approved and a re-inspection fee will be charged and must be collected by the Department of Community Development prior to any further inspections being performed or approvals granted. _____

Fire Department Access and Water Availability
Prior to any combustibles being placed anywhere on the site, approved fire department access and water for fire fighting operations must be in place, available, and operational. Failure to comply with this condition will result in a stop work order being issued. _____

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SITE ADDRESS: 3800 NE CARVER DR

ISSUED: 4/3/2025
EXPIRES: 4/3/2026

Certificate of Occupancy Checklist:
The following checklist is provided to help you prepare for the Certificate of Occupancy (CO) inspection. Please use it to perform your own building and fire safety check prior to requesting an inspection. Some of the most frequently overlooked, common safety items that should be verified are:

1. Exits, corridors, stairs and ramps:
   a. Unobstructed; b. No deadbolts on any other exit doors except for the main entrance; (with appropriate verbiage applied) c. Illuminated exit signs working and battery backup is operational; d. Handrails on stairs and ramps.
2. Building address is clearly posted as required, and visible from the road.
3. Fire extinguishers:
   a. Serviced within the last year or recently purchased with manufacturer's tag attached and dated; b. Minimum size 2-A:10-B:C; c. Mounted near the exit(s) no higher than 5 feet above the floor.
4. Combustible storage:
   a. At least 24 inches below the ceiling; b. Not located within required aisles; c. Not located in combustible attic space or crawl space; d. Not located in mechanical rooms.
5. Flammable liquids and hazardous materials:
   a. Quantities appropriate for use and storage, and consistent with amounts stated within application documents; b. Materials stored in close proximity to each other are compatible with each other; c. Stored in approved flammable liquid storage cabinet if quantities exceed 10 gallons;
6. Cooking operations:
   a. Hood and duct suppression system for any cooking that can produce grease-laden vapors; b. Class K fire extinguisher for deep-fat frying operations.
7. Electrical
   a. Service panel is clear and unobstructed; b. Extension cords are not used for any form of permanent wiring; c. All temporary electrical cords in good condition; d. Electrical system and any modifications have been inspected and approved by the Department of Labor & Industries. _____

Prior to requesting the Final inspection for this building permit, all work authorized by the associated Site Development Activity Permit (SDAP) shall be completed; the applicant shall obtain approval of all required SDAP inspections, including the Final inspection; and the applicant shall upload all required Engineer's Certifications and close-out documents to the SDAP record, via the Online Permit Center. _____

This permit shall comply with all Kitsap Public Health District regulations and conditions of approval. _____

The uses of the subject property are limited to the uses proposed by the applicant and any other uses will be subject to further review pursuant to the requirements of the Kitsap County Code (KCC). Unless in conflict with the conditions stated and/or any regulations, all terms and specifications of the application shall be binding conditions of approval. Approval of this project shall not, and is not, to be construed as approval for more extensive or other utilization of the subject property. _____

Landscaping shall be installed and maintained in conformance with the requirements of Kitsap County Code (KCC) 17.500. Landscaping shall be installed and inspected prior to requesting a final inspection, or guaranteed by means of an assignment of funds or bonded in the amount of 150 percent of the cost of installation. _____

Issuance of this permit certifies that the applicant has read and examined this application and knows the same to be true and correct. All provisions of Laws and Ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state/local law regulating construction or the performance of construction. _____

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24-04919 **C-MISC**

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SITE ADDRESS: 3800 NE CARVER DR

ISSUED: 4/3/2025
EXPIRES: 4/3/2026

Subject to the conditions of the Geotechnical report associated with this permit and on file at the Department of Community Development. _____

Please contact Department of Community Development at (360) 337-5777 for a landscape inspection prior to requesting a final inspection. _____

I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of Laws and Ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state/local law regulating construction or the performance of construction.

_____
Print Name

_____ _____
Signature Date

Let us know how we are doing by taking the short customer survey at www.surveymonkey.com/s/DCDCustomerSurvey