COVERSHEET
DOCUMENTS POSTED ON BUILDER'S EXCHANGE OF WASHINGTON

EVERETT

Project Name	18th Street Pedestrian Improvements, City of Everett, WA #3741
Contractor Name	Moeco LLC
Bid Opening Date	8/27/2024 @ 2:00 pm PDT
City Clerk's Digital Certification Stamp	City of Everett Digitally signed by City of Everett Date: 2024.09.16 11:04:25 -07'00'

CITY OF EVERETT

DEPARTMENT OF PUBLIC WORKS

SPECIFICATIONS, PROPOSAL AND CONTRACT DOCUMENTS
FOR

18TH STREET PEDESTRIAN IMPROVEMENTS

COE PW# 3741

EVERETT
WASHINGTON

PREPARED BY:

CITY OF EVERETT

PUBLIC WORKS - ENGINEERING & PUBLIC SERVICES DEPARTMENT
3200 CEDAR STREET
EVERETT, WA 98201

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CITY OF EVERETT, WASHINGTON

SPECIFICATIONS, PROPOSAL AND CONTRACT DOCUMENTS

18TH STREET PEDESTRIAN IMPROVEMENTS

COE PW# 3741

July 2024

Prepared By:

Gina Loring, E.I.T.
City of Everett, Public Works Department
425-257-7290
gloring@everettwa.gov

8/1/2024

City of Everett
Dan Enrico, P.E.
Principal Engineer, Transportation

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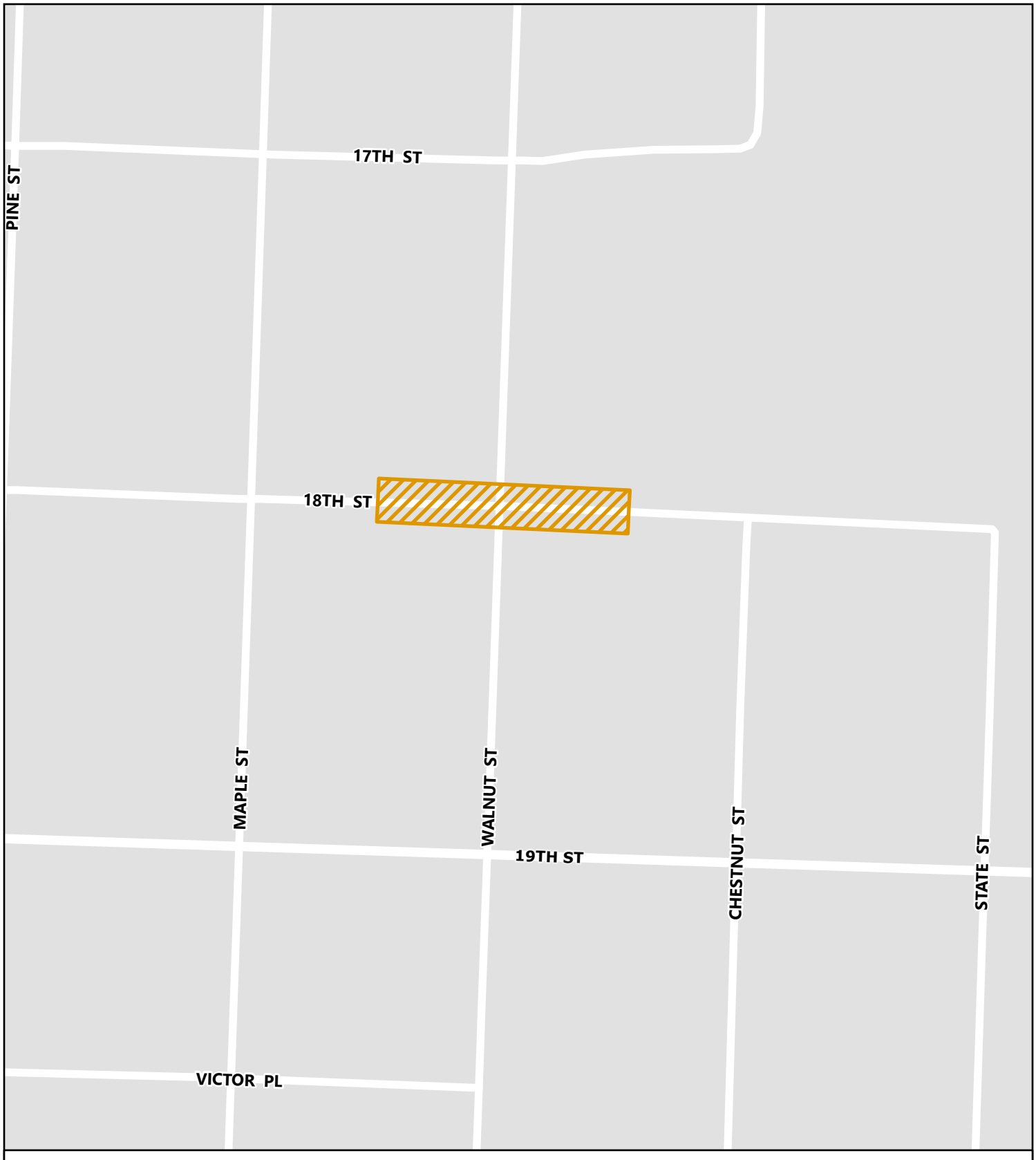

18th St Pedestrian Improvements

Project Vicinity - 18th St Pedestrian Improvements

4/15/2024

EVERETT
WASHINGTON

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NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids/proposals for the *18th Street Pedestrian Improvements project* will be received at the City Clerk, 1st Floor Everett Municipal Building, 2930 Wetmore, Everett, WA, 98201, until 2:00 p.m. on Tuesday, *August 27, 2024*. At this appointed time, all bids/proposals will be opened and read aloud publicly via live streaming, or bidders may attend the bid opening in person at 2930 Wetmore Ave, Suite 9E, Everett, WA 98201. The link to view the live streaming bid opening can be found at: https://everettwa.gov/319/Procurement.

The engineer's estimate for this project is $392,348.00, not including sales tax.

The project includes, is not limited to, *the construction of new sidewalk and associated appurtenances along 18th Street between Maple Street and Jackson Park which will include curb ramps, storm drainage pipes and inlets, modular block wall retaining walls, fence and landscaping restoration*, and performing all other work as required by the contract.

Free-of-charge access to project bidding documents (plans, specifications, addenda, bidders list, and other documents, if any) is provided to bidders, subcontractors, and vendors at www.bxwa.com by clicking on "Posted Projects", "Public Works", and "City of Everett". This online plan room provides bidders with fully usable online documents with the ability to: download, view, print, order full/partial plan sets from numerous reprographic sources, and a free online digitizer/take-off tool. It is recommended that Bidders "Register" in order to receive automatic e-mail notification of future addenda and to place themselves on the "Self-Registered Bidders List". Bidders that do not register will not be automatically notified of addenda and will need to periodically check the on-line plan room for addenda issued on this project. Contact Builders Exchange of Washington at (425) 258-1303 should you require assistance with access or registration.

All bids/proposals must be made upon the City forms provided in the bidding documents and must be accompanied by a bid bond or certified check or cashier's check in an amount not less than five percent (5%) of the total amount of the bid/proposal, all in accordance with the bidding documents. A one hundred percent (100%) performance bond (and a one hundred percent (100%) payment bond, as may be required in the bidding documents), on form(s) provided by the City, will be required of the successful bidder to guarantee faithful performance of the Contract.

The City reserves the right to reject any and all bids/proposals and to waive any irregularities or informalities. Except as may be provided in the bidding documents, no bidder may withdraw its Bid after the hour set for the opening thereof.

The City further reserves the right to make the award as deemed in the best interest of the City. The right is reserved by the City to postpone the award for a period of 45 days after bid opening.

The Contractor will be required to comply with all local, State, and Federal laws and regulations pertaining to equal employment opportunities.

The City, in accordance with Title VI of the Civil Rights Act of 1964, (78 Stat. 252, 42 U.S.C. 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that, in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

By order of the City Council, Everett, Washington.

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NOTE: PDF FILL-ABLE WSDOT FORMS FOUND AT https://www.wsdot.wa.gov/forms/pdfForms.html MAY BE SUBSTITUED FOR PROVIDED FORMS IF MATCHING FORM NUMBER AND REVISION DATE IS USED.

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CITY OF EVERETT, WASHINGTON
CONTRACT PROVISIONS FOR
WORK ORDER NO.: PW 3741

INSTRUCTIONS TO BIDDERS

1.0 Design Engineer

Questions and inquiries about these Contract Provisions should be directed to the attention of Gina Loring, (425) 257-7290 or gloring@everettwa.gov.

2.0 Bidder's Check List

The bidder's attention is directed to the following City-provided forms which must be executed in full and submitted with the bid as required:

1. **Proposal:** The lump sum and unit price items must be shown in the space provided. Show unit prices in figures.
2. **Proposal Signature Sheet:** To be filled in and signed by the Bidder.
3. **RCW 35.22.650 Certification:** To be filled in and signed by the bidder.
4. **Non-Collusion Declaration:** To be submitted with the bid.
5. **Bid Bond:** This form provided by the City is to be executed by the Bidder and the surety company unless bid is accompanied by a certified check or cashier's check. The amount of this bond shall be not less than five percent (5%) of the total amount bid and may be shown in dollars or on a percentage basis. Cash will not be accepted.
6. **Proposal For Incorporating Recycled Materials Into The Project:** To be filled in and signed by the bidder.

Failure to complete the aforementioned forms and to submit the forms with the bid as required may be due cause for rejection of bid.

All protests by Bidders must be in accordance with Chapter 3.46 of the Everett Municipal Code, "Bid Protest Procedures."

3.0 Pre-Award Forms

The following form is required to be signed and submitted prior to award of Contract:

1. **Certification of Compliance with Wage Payment Statutes:** To be filled in and signed. This certification is not required to be submitted with the bid proposal and may be submitted after bid opening. The Contract cannot be awarded without this certification.

4.0 Contract Forms

The following forms are to be executed and/or delivered after the award of Contract:

1. **Contract:** This Contract to be executed by the successful bidder with the City's AdobeSign system within twenty (20) calendar days after the award date.

2. **Performance Bond**: This form is to be executed by the successful bidder and its surety company in duplicate and delivered to the City within twenty (20) calendar days after the award date. The amount of this bond shall be one hundred percent (100%) of the amount of the bid and shall be submitted with the contract.

3. **Payment Bond:** This form is to be executed by the successful bidder and its surety company in duplicate and delivered to the City within twenty (20) calendar days after the award date. The amount of this bond shall be one hundred percent (100%) of the amount of the bid and shall be submitted with the contract.

4. **Proof of Insurance:** Insurance certificates and endorsements in pdf form shall be obtained, delivered to the City within twenty (20) calendar days after the award date, and maintained in force in accordance with Section 1-07.18 of the Special Provisions.

5. **Power of Attorney:** Attorneys-in-fact who sign bonds must file with each bond a certified and effectively dated copy of their Power of Attorney.

6. **Statement of Intent to Pay Prevailing Wage (L&I Form 700-29) and Affidavit of Wages Paid (K-700-007-000)** from the Contractor, Subcontractor and any agent to the Subcontractor shall be submitted to the Employment Standards Division, State Department of Labor and Industries, Olympia, Washington.

7. **Weekly Statement with Respect to Payment of Wages (Form WH347):** Contractors, Subcontractors, and agents to Subcontractors using Payroll Form WH347) may use State of Compliance found on back of form. Contractors, Subcontractors, or agents to Subcontractors not using Payroll Form WH347 shall attach the Statement of Compliance Form WH348 to each payroll. Submittal of Certified Payrolls and Statements of Compliance is required for projects utilizing federal funds, or when requested in writing by the Engineer.

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DIVISION 2
EARTHWORK

COE INTRO OptionA.RTF

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 WSDOTGSP)
(May 1, 2013 City of Everett COE 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
- *Design and Construction Standards & Specifications for Development,* City of Everett, current edition

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

DIVISION1.GR1

Division 1
General Requirements

DESWORK.GR1

DESCRIPTION OF WORK

FDESWORK1.FR1.docx
(March 13, 1995)
This Contract provides for the improvement of ***the construction of new sidewalk and associated appurtenances along 18th Street between Maple Street and Jackson Park which will include curb ramps, storm drainage pipes and inlets, modular block wall retaining walls, fence and landscaping restoration*** and other work, all in accordance with the attached Contract Plans, these Contract Provisions, and the Standard Specifications.

1-01.3.RTF

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.

1-02.1.RTF

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.

COE 1-02.2.RTF

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")	**3**	Furnished only upon request.

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.

1-02.5.RTF

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.OptionB.RTF

(January 4, 2024 APWA GSP 1-02.6, 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.

5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.

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

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 copy of the partnership agreement shall be submitted with the Bid Form if any DBE requirements are to be satisfied through such an agreement.

A bid by a joint venture shall be executed in the joint venture name and signed by a member of the joint venture. A copy of the joint venture agreement shall be submitted with the Bid Form if any DBE requirements are to be satisfied through such an agreement.

1-02.6(1).RTF

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.RTF

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.

1-02.10.RTF

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.RTF

1-02.13 Irregular Proposals

(January 4, 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 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.Option.A.RTF

1-02.14 Disqualification of Bidders

(May 17, 2018 APWA GSP, Option A)

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.

The Contracting Agency will verify that the Bidder meets the mandatory bidder responsibility criteria in RCW 39.04.350(1). To assess bidder responsibility, the Contracting Agency reserves the right to request documentation as needed from the Bidder and third parties concerning the Bidder's compliance with the mandatory bidder responsibility criteria.

If the Contracting Agency determines the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1) 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.

1-02.15.RTF

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.GR1

Award and Execution of Contract

1-03.1.rtf

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).rtf

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.

COE 1-03.3.OptionB.RTF

1-03.3 Execution of Contract

(January 4, 2024 APWA GSP Option B)

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 20 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 20 additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4.RTF

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.RTF

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.GR1

Scope of the Work

1-04.2.RTF

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.

1-05.GR1

Control of Work

COE 1-05.4.OPT4.docx

(March 9, 2023)

Contractor Surveying – ADA Features

ADA Feature Staking Requirements

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, and grades necessary for the construction of the ADA features.

Calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility. The Contractor shall build the ADA features within the specifications in the Standard Plans and contract documents.

ADA Feature Contract Compliance
The Contractor shall be responsible for completing measurements to verify all ADA features comply with the Contract in the presence of the Engineer.

ADA Feature As-Built Measurements
The Contractor shall be responsible for providing the latitude and longitude of each ADA feature as indicated on the ADA Inspection Form(s) (WSDOT Form 224-020).

The completed ADA Inspection Form(s) (WSDOT Form 224-020) shall be submitted as a Type 3 Working Drawing and transmitted to the Engineer within 30 calendar days of completing the ADA feature. After acceptance, the Contracting Agency will submit the final form(s) to the WSDOT ADA Steward.

Payment

Payment will be made for the following bid item that is included in the Proposal:

"ADA Features Surveying", lump sum.

The lump sum Contract price for "ADA Features Surveying" shall be full pay for all the Work as specified.

In the instance where an ADA feature does not meet accessibility requirements, all work to replace non-compliant work and then to measure, record the as-built measurements, and transmit the electronic forms to the Engineer shall be completed at no additional cost to the Contracting Agency.

1-05.7.RTF

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.RTF

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.RTF

1-05.13 Superintendents, Labor and Equipment of Contractor

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

1-05.16.RTF

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.

1-06.6.RTF

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.GR1

Legal Relations and Responsibilities to the Public

1-07.1.GR1

Laws to be Observed

1-07.1.RTF

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.RTF

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).

1-07.7.GR1

Load Limits

1-07.7.INST1.GR1

Section 1-07.7 is supplemented with the following:

1-07.7.OPT6.GR1

(March 13, 1995)

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

COE 1-07.17.OPT1.RTF

(April 2, 2007)

Locations and dimensions shown in the Plans for existing facilities are in accordance with available information obtained without uncovering, measuring, or other verification.

The following addresses and telephone numbers of utility companies known or suspected of having facilities within the project limits are supplied for the Contractor's convenience:

***

CITY OF EVERETT UTILITIES (SANITARY SEWER, STORMWATER, WATER)
ATTENTION: GRANT MOEN
TELEPHONE: (425) 257-8800
EMAIL: GMOEN@EVERETTWA.GOV
ADDRESS: PUBLIC WORKS DEPARTMENT
3200 CEDAR ST
EVERETT, WA 98201

ALDERWOOD WATER & WASTEWATER DISTRICT
ATTENTION: JOE SKEENS
DESK PHONE: (425) 743-8912
CELL PHONE: (425) 478-8839
EMAIL: JSKEENS@AWWD.COM
ADDRESS: 15204 35TH AVE W
LYNNWOOD, WA 98087-5021

LUMEN
ATTENTION: CHRISTIAN MARSHALL
DESK PHONE: (206) 485-5322
CELL PHONE: (206) 485-5322
EMAIL: CHRISTIAN.MARSHALL@LUMEN.COM
ADDRESS: 1208 NE 64TH STREET
SEATTLE, WA 98115-6722

COMCAST
ATTENTION: JOHN WARRICK – RESIDENTIAL
DESK PHONE: (425) 263-5328
CELL PHONE: (425) 757-1794
EMAIL: JOHN_WARRICK@CABLE.COMCAST.COM
ADDRESS: 1525 – 75TH ST SW STE #200
EVERETT, WA 98203

ATTENTION: CASEY BROWN
DESK PHONE: (425) 263-5345
CELL PHONE: (425) 754-0064
EMAIL: CASEY_BROWN2@CABLE.COMCAST.COM
ADDRESS: 1525 – 75TH ST SW STE #200
EVERETT, WA 98203

ATTENTION: SHANE TURNER
DESK PHONE:
CELL PHONE: (425) 316-9405
EMAIL: SHANE_TURNER2@CABLE.COMCAST.COM
ADDRESS: 400 SEQUOIA DR
BELLINGHAM, WA 98226

ZIPLY COMMUNICATIONS
ATTENTION: SAMANTHA JOHNSTON (EVERETT)
DESK PHONE:
CELL PHONE: (208) 810-5640
EMAIL: SAMANTHA.JOHNSTON1@ZIPLY.COM
ADDRESS:

ATTENTION: MIKE HAKAHAN (SILVER LAKE)
DESK PHONE:
CELL PHONE: (425) 949-0230
EMAIL: MIKE.HAKAHAN@ZIPLY.COM
ADDRESS:

MUKILTEO WATER DISTRICT
ATTENTION: RICK MATTHEWS
DESK PHONE: (425) 355-3355
CELL PHONE: (425) 359-1021
EMAIL: RICKM@MUKILTEOWWD.ORG
ADDRESS: 7824 MUKILTEO SPEEDWAY
MUKILTEO, WA 98275

PUGET SOUND ENERGY
ATTENTION: MARDY PUNTENEY
DESK PHONE:
CELL PHONE: (425) 754-8053
EMAIL: MARDY.PUNTENEY@PSE.COM
ADDRESS: 3630 RAILWAY AVE
EVERETT, WA 98201

RUBATINO REFUSE
ATTENTION:
DESK PHONE: (425) 259-0044
CELL PHONE:
EMAIL: INFO@RUBATINO.COM
MAILING
ADDRESS: P.O. BOX 1029
EVERETT, WA 98206

SILVER LAKE WATER DISTRICT
ATTENTION: SCOTT SMITH
DESK PHONE: (425) 337-3647 EXT. 216
CELL PHONE:
EMAIL: SSMITH@SLWSD.COM
ADDRESS: 15205 41ST AVE SE
BOTHELL, WA 98201-6114

SNOHOMISH COUNTY PUD #1
ATTENTION: ANDRA SHAUGHNESSY FLAHERTY
DESK PHONE: (425) 783-4419
CELL PHONE: (425) 345-0312
EMAIL: ALFLAHERTY@SNOPUD.COM
ADDRESS: P.O. BOX 1107
EVERETT, WA 98206

WAVE/ASTOUND COMMUNICATION
ATTENTION: JIM BIGGS
DESK PHONE: (206) 786-8720
CELL PHONE:
EMAIL: JIM.BIGGS@ASTOUND.COM
WA-CONSTRUCTION@ASTOUND.COM
ADDRESS: 4766 1ST AVE S
SEATTLE, WA 98134
***

COE 1-07.18.RTF

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:

- 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 <u>not</u> 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:

$2,000,000	Each Occurrence
$3,000,000	General Aggregate
$3,000,000	Products & Completed Operations Aggregate
$2,000,000	Personal & Advertising Injury each offence
$2,000,000	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.

COE 1-07.18(5)D.RTF

1-07.18(5)D Excess or Umbrella Liability

(January 4, 2016 APWA GSP)

The Contractor shall provide Excess or Umbrella Liability insurance with limits of not less than *** ***Two*** *** million each occurrence and annual aggregate. This excess or umbrella liability coverage shall be excess over and as least as broad in coverage as the Contractor's Commercial General and Auto Liability insurance

All entities listed under 1-07.18(2) of these Special Provisions shall be named as additional insureds on the Contractor's Excess or Umbrella Liability insurance policy.

This requirement may be satisfied instead through the Contractor's primary Commercial General and Automobile Liability coverages, or any combination thereof that achieves the overall required limits of insurance.

COE 1-07.18(5)J.RTF

1-07.18(5)J Pollution Liability

(January 4, 2016 APWA GSP)

The Contractor shall provide a Contractors Pollution Liability policy, providing coverage for claims involving bodily injury, property damage (including loss of use of tangible property that has not been physically injured), cleanup costs, remediation, disposal or other handling of pollutants, including costs and expenses incurred in the investigation, defense, or settlement of claims, arising out of any one or more of the following:

1. Contractor's operations related to this project.
2. Remediation, abatement, repair, maintenance or other work with lead-based paint or materials containing asbestos.
3. Transportation of hazardous materials away from any site related to this project.

All entities listed under 1-07.18(2) of these Special Provisions shall be named by endorsement as additional insureds on the Contractors Pollution Liability insurance policy.

Such Pollution Liability policy shall provide the following minimum limits:

*** ***$2,000,000*** *** each loss and annual aggregate

1-07.23.GR1

Public Convenience and Safety

1-07.23(1).GR1

Construction Under Traffic

1-07.23(1).INST1.GR1

Section 1-07.23(1) is supplemented with the following:

COE 1-07.23(1).OPT5.FR1.docx

(October 3, 2022)

Lane, ramp, shoulder, and roadway closures are subject to the following restrictions:

*** No lane closures or single lane alternating flagging operation will be permitted between 10:00pm and 7:00am. ***

If the Engineer determines the permitted closure hours adversely affect traffic, the Engineer may adjust the hours accordingly. The Engineer will notify the Contractor in writing of any change in the closure hours. Exceptions to these restrictions may be considered by the Engineer on a case-by-case basis following a written request by the Contractor.

Lane, ramp, shoulder, and roadway closures are not allowed on any of the following:

1. A holiday,

2. A holiday weekend; holidays that occur on Friday, Saturday, Sunday or Monday are considered a holiday weekend. A holiday weekend includes Saturday, Sunday, and the holiday.

3. After *** 2:30 P.M. *** on the day prior to a holiday or holiday weekend, and

4. Before *** 7:00 A.M. *** on the day after the holiday or holiday weekend.

5. The two-hour period prior to and the two-hour period after the following special events:

   *** N/A ***

   It shall be the Contractor's responsibility to obtain the dates and times of all events.

Traffic Delays

When AFADs or flaggers are used to control traffic, traffic shall not be stopped for more than *** 20 *** minutes at any time. All traffic congestion shall be allowed to clear before traffic is delayed again.

If the delay becomes greater than *** 20 *** minutes, the Contractor shall immediately begin to take action to cease the operations that are causing the delays. If the *** 20 *** minute delay limit has been exceeded, as determined by the Engineer, the Contractor shall provide to the Engineer, a written proposal to revise his work operations to meet the *** 20 *** minute limit. This proposal shall be accepted by the Engineer prior to resuming any work requiring traffic control.

There shall be no delay to medical, fire, or other emergency vehicles. The Contractor shall alert all flaggers and personnel of this requirement.

General Restrictions

Construction vehicles using a closed traffic lane shall travel only in the normal direction of traffic flow unless expressly allowed in an accepted traffic control plan. Construction vehicles shall be equipped with flashing or rotating amber lights.

No two consecutive on-ramps, off-ramps, or intersections shall be closed at the same time and only one ramp at an interchange shall be closed, unless specifically shown in the Plans.

Roads or ramps that are designated as part of a detour shall not be closed or restricted during the implementation of that detour, unless specifically shown in the Plans.

Controlled Access

No special access or egress shall be allowed by the Contractor other than normal legal movements or as shown in the Plans.

Contractor's vehicles of 10,000 GVW or greater shall not exit or enter a lane open to public traffic except as follows:

Egress and ingress shall only occur during the hours of allowable lane closures, and:

1. For exiting an open lane of traffic, by decelerating in a lane that is closed during the allowable hours for lane closures.

2. For entering an open lane of traffic, by accelerating in a closed lane during the allowable hours for lane closures.

Traffic control vehicles are excluded from the gross vehicle weight requirement. If placing construction signs will restrict traveled lanes, then the work will be permitted during the hours of allowable lane closures.

Advance Notification

The Contractor shall notify the Engineer in writing of any traffic impacts related to lane closure, shoulder closure, sidewalk closure, or any combination for the week by 12:00 p.m. (noon) Wednesday the week prior to the stated impacts.

The Contractor shall notify the Engineer in writing ten working days in advance of any traffic impacts related to full roadway closure, ramp closure, or both.

The Contractor shall notify the Engineer in writing of any changes to the stated traffic impacts a minimum of 48 hours prior to the traffic impacts.

1-07.24.RTF

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.

1-08.0.RTF

1-08 PROSECUTION AND PROGRESS

Add the following new section:

1-08.0 Preliminary Matters

(May 25, 2006 APWA GSP)

1-08.0(1).RTF

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.

COE F1-08.0(2).RTF

Add the following new section:

1-08.0(2) Hours of Work

(December 8, 2014 APWA GSP, COE)

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 ***72 hours for day work and 30 days for night work*** 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

1-08.3.GR1

Progress Schedule

1-08.3(2).NEW.GR1

General Requirements

COE 1-08.3(2)A.RTF

1-08.3(2)A Type A Progress Schedule

(December 30, 2022 APWA GSP)

Revise this section to read:

The Contractor shall submit 3 copies of a Type A Progress Schedule no later than at the preconstruction conference, or some other mutually agreed upon submittal time. The schedule may be a critical path method (CPM) schedule, bar chart, or other standard schedule format. Regardless of which format used, the schedule shall identify the critical path. The Engineer will evaluate the Type A Progress Schedule and approve or return the schedule for corrections within 15 calendar days of receiving the submittal.

1-08.4.RTF

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.OptionA.RTF

1-08.5 Time for Completion

(December 30, 2022 APWA GSP, Option A)

Revise the third and fourth paragraphs to read:

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:

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 of Amounts Credited as DBE Participation, as required by the Contract Provisions.
   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

1-08.5.GR1

Time for Completion

1-08.5.INST1.GR1

The third paragraph of Section 1-08.5 is revised to read:

F1-08.5.OPT7.FR1.docx

(March 13, 1995)

This project shall be physically completed within *** 43 *** working days.

1-08.9.OptionB.RTF

1-08.9 Liquidated Damages

(March 3, 2021 APWA GSP, Option B)

Revise the second and third paragraphs to read:

Accordingly, the Contractor agrees:

1. To pay (according to the following formula) liquidated damages 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.

Liquidated Damages Formula

LD=0.15C/T

Where:

LD = liquidated damages per working day (rounded to the nearest dollar)
C = original Contract amount
T = original time for Physical Completion

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, the formula for liquidated damages shown 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.

1-09.GR1

Measurement and Payment

1-09.6.RTF

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.

1-09.8.GR1

Payment For Material On Hand

1-09.8.INST1.GR1

The last paragraph of Section 1-09.8 is revised to read:

1-09.8.OPT1.GR1

(August 3, 2009)

The Contracting Agency will not pay for material on hand when the invoice cost is less than $2,000. As materials are used in the work, credits equaling the partial payments for them will be taken on future estimates. Each month, no later than the estimate due date, the Contractor shall submit a letter to the Engineer that clearly states: 1) the amount originally paid on the invoice (or other record of production cost) for the items on hand, 2) the dollar amount of the material incorporated into each of the various work items for the month, and 3) the amount that should be retained in material on hand items. If work is performed on the items and the Contractor does not submit a letter, all of the previous material on hand payment will be deducted on the estimate. Partial payment for materials on hand shall not constitute acceptance. Any material will be rejected if found to be faulty even if partial payment for it has been made.

1-09.9(Payments).RTF

1-09.9 Payments

(December 30, 2022 APWA GSP)

Section 1-09.9 is revised to read:

The basis of payment will be the actual quantities of Work performed according to the Contract and as specified for payment.

The Contractor shall submit a breakdown of the cost of lump sum bid items at the Preconstruction Conference, to enable the Project Engineer to determine the Work performed on a monthly basis. A breakdown is not required for lump sum items that include a basis for incremental payments as part of the respective Specification. Absent a lump sum breakdown, the Project Engineer will make a determination based on information available. The Project Engineer’s determination of the cost of work shall be final.

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 payments. 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.

Failure to perform obligations under the Contract by the Contractor may be decreed by the Contracting Agency to be adequate reason for withholding any payments until compliance is achieved.

Upon completion of all Work and after final inspection (Section 1-05.11), the amount due the Contractor under the Contract will be paid based upon the final estimate made by the Engineer and presentation of a Final Contract Voucher Certification to be signed by the Contractor. The Contractor's signature on such voucher shall be deemed a release of all claims of the Contractor unless a Certified Claim is filed in accordance with the requirements of Section 1-09.11 and is expressly excepted from the Contractor's certification on the Final Contract Voucher Certification. The date the Contracting Agency signs the Final Contract Voucher Certification constitutes the final acceptance date (Section 1-05.12).

If the Contractor fails, refuses, or is unable to sign and return the Final Contract Voucher Certification or any other documentation required for completion and final acceptance of the Contract, the Contracting Agency reserves the right to establish a Completion Date (for the purpose of meeting the requirements of RCW 60.28) and unilaterally accept the Contract. Unilateral final acceptance will occur only after the Contractor has been provided the opportunity, by written request from the Engineer, to voluntarily submit such documents. If voluntary compliance is not achieved, formal notification of the impending establishment of a Completion Date and unilateral final acceptance will be provided by

email with delivery confirmation from the Contracting Agency to the Contractor, which will provide 30 calendar days for the Contractor to submit the necessary documents. The 30 calendar day period will begin on the date the email with delivery confirmation is received by the Contractor. The date the Contracting Agency unilaterally signs the Final Contract Voucher Certification shall constitute the Completion Date and the final acceptance date (Section 1-05.12). The reservation by the Contracting Agency to unilaterally accept the Contract will apply to Contracts that are Physically Completed in accordance with Section 1-08.5, or for Contracts that are terminated in accordance with Section 1-08.10. Unilateral final acceptance of the Contract by the Contracting Agency does not in any way relieve the Contractor of their responsibility to comply with all Federal, State, tribal, or local laws, ordinances, and regulations that affect the Work under the Contract.

Payment to the Contractor of partial estimates, final estimates, and retained percentages shall be subject to controlling laws.

1-10.GR1

Temporary Traffic Control

1-10.2.GR1

Traffic Control Management

1-10.2(1).GR1

General

1-10.2(1).INST1.GR1

Section 1-10.2(1) is supplemented with the following:

1-10.2(1).OPT1.GR1

(October 3, 2022)

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.net

1-10.3.GR1

Traffic Control Labor, Procedures and Devices

1-10.4.GR1

Measurement

1-10.4(3).GR1

Reinstating Unit Items With Lump Sum Traffic Control

1-10.4(3).INST1.GR1

Section 1-10.4(3) is supplemented with the following:

F1-10.4(3).OPT1.FR1.docx

(November 2, 2022)

The bid proposal contains the item “Project Temporary Traffic Control,” lump sum and the additional temporary traffic control items listed below. The provisions of Section 1-10.4(1), Section 1-10.4(3), and Section 1-10.5(3) shall apply.

*** “Flaggers (Min. Bid $75/Hr.)” ***

END DIVISION1.RTF

END DIVISION 1

DIVISION2.GR2

Division 2
Earthwork

2-01.GR2

Clearing, Grubbing, and Roadside Cleanup

2-01.1.GR2

Description

2-01.1.INST1.GR2

Section 2-01.1 is supplemented with the following:

F2-01.1.OPT1.FR2.docx

(March 13, 1995)

Clearing and grubbing on this project shall be performed within the following limits:

***
Limits adjacent to new sidewalk, as shown on the plans.
Arborvitae hedge 10' +/- at 1731 Walnut to be removed.
***

GKK 2-02 sawcut bid item.RTF

2-02.5 Payment

Section 2-02.5 is supplemented with the following:

(******)

"Sawcut", per linear foot.

Saw-cutting shall be performed in accordance with Sections 2-02.3(3).

Measurement for saw-cutting will be per linear foot along the true length of the surface cut.

The unit price per linear foot for the final saw-cutting of asphalt pavement, up to 8.5-inch thickness, shall be full pay for all labor, materials, tools, and equipment necessary to satisfactorily complete the Work as specified in Section 2-02.3(3) of the Standard Specifications and disposal of cuttings slurry, including vacuum collection.

All labor, materials, tools and equipment necessary to disposal of cuttings slurry, including vacuum collection, shall be included in the Contract Unit Price.

GSL 2-02 removal of structures and obstructions.docx

2-02.5 Payment

Section 2-02.5 is supplemented with the following:

(******)

“Removal of Structures and Obstructions”, per lump sum.

Description and Construction Requirements for Work include Existing Chain Link Fence and associated appurtenances such as attached posts and foundations, gates, and hardware to be removed as needed to do the Work and to be performed in accordance with Section 2-02.

Measurement for Removal of Structures and Obstructions will be per lump sum and will include Chain Link Fence, Fence Posts and Foundations, Corners, Gates, and Hardware where shown and/or described in the plans.

The unit price per lump sum shall be full pay for all labor, materials, tools, and equipment necessary to satisfactorily complete the Work as specified.

All labor, materials, tools and equipment necessary to disposal of removals shall be included in the Contract Unit Price.

END DIVISION2.RTF

END DIVISION 2

COE 5-04.RTF

5-04 Hot Mix Asphalt

(December 3, 2018 City of Everett based on APWA GSP)

Delete Section 5-04 and amendments, 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	9-03.8(3)B
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21
Portland Cement	9-01
Sand	9-03.1(2)
(As noted in 5-04.3(5)C for crack sealing)	
Joint Sealant	9-04.2
Foam Backer Rod	9-04.2(3)A

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. The RAP shall be sampled and tested at a frequency of one sample for every 1,000 tons produced and not less than ten samples per project. The asphalt content and gradation test data shall be reported to the Contracting Agency when submitting the mix design for approval on the QPL. The Contractor shall include the RAP as part of the mix design as defined in these Specifications.

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(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, 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 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 Equivalent Single Axle Loads (ESAL's) appropriate for the required use.

5-04.2(2)A Vacant

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, unless otherwise required by the 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

5-04.3(4)A1 General

When the Proposal includes a pay item for crack sealing, seal all cracks ¼ inch in width and greater.

Joint sealant shall be used for transverse joints in paving.

Cleaning: Ensure that cracks are thoroughly clean, dry and free of all loose and foreign material when filling with crack sealant material. Use a hot compressed air lance to dry and warm the pavement surfaces within the crack immediately prior to filling a crack with the sealant material. Do not overheat pavement. Do not use direct flame dryers. Routing cracks is not required.

Sand Slurry: For cracks that are to be filled with sand slurry, thoroughly mix the components and pour the mixture into the cracks until full. Add additional CSS-1 cationic emulsified asphalt to the sand slurry as needed for workability to ensure the mixture will completely fill the cracks. Strike off the sand slurry flush with the existing pavement surface and allow the mixture to cure. Top off cracks that were not completely filled with additional sand slurry. Do not place the HMA overlay until the slurry has fully cured.

The sand slurry shall consist of approximately 20 percent CSS-1 emulsified asphalt, approximately 2 percent portland cement, water (if required), and the remainder clean Class 1 or 2 fine aggregate per section 9-03.1(2). The components shall be thoroughly mixed and then poured into the cracks and joints until full. The following day, any cracks or joints that are not completely filled shall be topped off with additional sand slurry. After the sand slurry is placed, the filler shall be struck off flush with the existing pavement surface and allowed to cure. The HMA overlay shall not be placed until the slurry has fully cured. The requirements of Section 1-06 will not apply to the portland cement and sand used in the sand slurry.

In areas where HMA will be placed, use sand slurry to fill the cracks.

In areas where HMA will not be placed, fill the cracks as follows:

1. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
2. Cracks greater than 1 inch in width – fill with sand slurry.

Hot Poured Sealant: For cracks that are to be filled with hot poured sealant, apply the material in accordance with these requirements and the manufacturer's recommendations. Furnish a Type 1 Working Drawing of the manufacturer's product information and recommendations to the Engineer prior to the start of work, including the manufacturer's recommended heating time and temperatures, allowable storage time and temperatures after initial heating, allowable reheating criteria, and application temperature range. Confine hot poured sealant material within the crack. Clean any overflow of sealant from the pavement surface. If, in the opinion of the Engineer, the Contractor's method of sealing the cracks with hot poured sealant results in an excessive amount of material on the pavement surface, stop and correct the operation to eliminate the excess material.

5-04.3(4)A2 Crack Sealing Areas Prior to Paving

In areas where HMA will be placed, use sand slurry to fill the cracks.

5-04.3(4)A3 Crack Sealing Areas Not to be Paved

In areas where HMA will not be placed, fill the cracks as follows:

A. Cracks ¼ inch to 1 inch in width - fill with hot poured sealant.
B. Cracks greater than 1 inch in width – fill with sand slurry.

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(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(8)A1 General

Nonstatistical evaluation shall be used for the acceptance of HMA for this project.

The Equivalent Single Axle Load (ESAL) for the mix design for the following area:

Broadway – 7,000,000.00
Hewitt – 7,500,000.00
Rucker Avenue – 8,500,000.00

The mix design will be the initial JMF for the class of HMA. The contractor may request a change in the JMF. Any adjustment to the JMF will require the approval of the Project Engineer and may be made in accordance with Section 9-03.8(7).

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 Con**tent – 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 AASHTO 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 to 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 Composite Pay Factor (CPF) shall be performed.

5-04.3(9)C3 Mixture Nonstatistical Evaluation – Acceptance Testing

Testing of HMA for compliance of Va will at the option of the Contracting Agency. If tested, compliance of Va 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 Composite Pay Factor (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 Composite Pay Factor (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, Va. 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 Composite Pay Factor (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 Composite Pay Factor (CPF) of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 91.0 (minimum of 91 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 91 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 91 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 91 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 91% 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 Composite Pay Factor (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 PFi 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

5-04.3(12)B1 HMA Sawcut and Seal

Prior to placing HMA on the bridge deck, establish sawcut alignment points at both ends of the bridge paving joint seals to be placed at the bridge ends, and at interior joints within the bridge deck when and where shown in the Plans. Establish the sawcut alignment points in a manner that they remain functional for use in aligning the sawcut after placing the overlay.

Submit a Type 1 Working Drawing consisting of the sealant manufacturer's application procedure.

Construct the bridge paving joint seal as specified ion the Plans and in accordance with the detail shown in the Standard Plans. Construct the sawcut in accordance with the detail shown in the Standard Plan. Construct the sawcut in accordance with Section 5-05.3(8)B and the manufacturer's application procedure.

5-04.3(12)B2 Paved Panel Joint Seal

Construct the paved panel joint seal in accordance with the requirements specified in section 5-04.3(12)B1 and the following requirement:

1. Clean and seal the existing joint between concrete panels in accordance with Section 5-01.3(8) and the details shown in the Standard Plans.

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 planning (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 (Milling) Bituminous Pavement

The Contractor shall call for locates before planing any HMA pavement. Any induction loop vehicle detectors which are within the planing area shall be discussed with the inspector prior to planing to see if the planing limits can be modified to save the loops. Any loops which are damaged in the planing process shall be replaced prior to the final overlay. The electrical subcontractor shall be on-call and the loops shall be replaced within **5 working days** of the planing operation and paved within **3 working days** of the loop installation. See Section 8-20 of the Specifications for details on loop installation and payment.

Planing shall be performed in such a manner that the underlying pavement is not torn, broken, or otherwise damaged by the planing operation. The surface of the underlying pavement shall be slightly grooved or roughened sufficiently to ensure a bond when overlaid. All areas to be ground shall be completed with a grinder. The use of other methods must be approved by the Engineer.

If, after planing a thin veneer layer remains, the contractor shall replane the roadway as directed by the Engineer, paid under “Additional Planing Bituminous Pavement”. The Contractor shall adjust their schedule at no additional cost to the owner.

The planings shall become the property of the Contractor and shall be removed from the right-of-way. The planings may be utilized as RAP, within the requirements of Section 5-

04.2 or 9-03.21. The Contractor shall immediately dispose of all other debris resulting from the planing operation in a Contractor-provided site off the right-of-way.

Immediately after grinding, the Contractor shall construct an asphalt transition (temporary paper joints or ramps), on all traveled ways, wheel chair ramps, and exposed manholes, inlets, catch basins, monuments, valve boxes, and other structures on the street, regardless of depth in grinding. Asphalt transition must be removed prior to overlay. Cast iron structures left higher than 2” must be removed and steel plates installed to protect the opening and provide a suitable driving surface.

Sweeping of roadway surface shall immediately follow all grinding. Sweeping of roadway surface is required prior to tack placement and paving.

The road shall be overlayed within **3 working days** after planing operation for streets without loops. On streets where loops will be replaced, the overlay shall be completed within **8 working days** after planing operation.

Sweepers following the grinding work will not be paid separately, and is included in the bid item “Planing Bituminous Pavement (2” Deep)”, per square yard.

For mainline planing operations, the equipment shall have automatic controls, with sensors for either or both sides of the equipment. The controls shall be capable of sensing the proper grade from an outside reference line, or a mat-referencing device. The automatic controls shall also be capable of maintaining the desired transverse slope. The transverse slope controller shall be capable of maintaining the mandrel at the desired slope (expressed as a percentage) within plus or minus 0.1 percent.

Pre-level course is not anticipated on any of the selected streets. If, however, after plaining operations, drivability issues cannot be resolved with 2” overlay, pre-level will be required as directed and paid for by “HMA Class 1/2” PG 64-22”, per ton. Contractor is strongly encouraged to bid the work to cover their cost of pre-level operations.

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

5-04.3(14)A1 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 Contracting Agency. 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, schedule and sequence such work into quarters of the intersection, or half or more of an intersection with side street detours unless otherwise directed by the Engineer. Be prepared to sequence the work to individual lanes or portions thereof.

c. 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(15) Vacant

5-04.3(16) HMA Road Approaches

HMA approaches shall be constructed at the locations shown in the Plans or where staked by the Engineer. The Work shall be performed in accordance with Section 5-04.

5-04.4 Measurement

"Planing Bituminous Pavement (2" Deep)", shall be measured by the square yard.

"HMA Class ½", PG 64-22", shall be measured by the ton.

5-04.5 Payment

Payment will be made in accordance with Section 1-04.1, for each of the following bid items that are included in the proposal:

"HMA Class ½" PG 64-22", per ton.

The unit contract price per ton for "HMA Class ½" PG 64-22", shall be full compensation for all costs incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in the sub-section and which are included in the proposal.

All costs for "Asphalt Tack Coat", "Anti Stripping Additive", "Compaction Adjustment" and "Joint Sealing Transverse Joints in Paving" shall be included in the unit contract price per ton for "HMA Class ½" PG 64-22", per ton.

"Planing Bituminous Pavement (2" Deep)", per square yard.

The Unit contract price for "Planing Bituminus Pavement (2" Deep), per square yard shall be full payment for all costs incurred to perform the work described in Section 5-04.3(14).

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END DIVISION5.RTF

END DIVISION 5

8-02.3(11).GR8

Mulch

8-02.3(11).INST1.GR8

Section 8-02.3(11) is supplemented with the following:

F8-02.3(11).OPT1.FR8.docx

(April 2, 2012)

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.

COE 8-04 Curbs.RTF

8-04 CURBS, GUTTERS, AND SPILLWAYS

(******)

SECTION 8-04.1 OF THE STANDARD SPECIFICATIONS IS DELETED AND REPLACED BY THE FOLLOWING:

8-04.1 Description

"Cement Concrete Curb and Gutter Type A-1", "Cement Concrete Curb Type ___" and "Asphalt Concrete Curb", shall be in accordance with Section 8-04 of the Standard Specifications as modified in these Special Provisions and shall conform to the Construction Plans and Standard Drawings.

SECTION 8-04.3(1) OF THE STANDARD SPECIFICATIONS IS SUPPLEMENTED BY THE FOLLOWING:

8-04.3 Construction Requirements

8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways

Joints shall be dummy joints at a maximum spacing of 15' with 1/2" through-expansion joints at beginning of curves, at curb return tangency points, at each side of catch basins, and at driveways.

The subbase for curb and gutter sections shall be compacted to 95% density at optimum moisture content before placing the curb and gutter.

The top of the finished concrete shall not deviate more than 1/8" in 10', nor the alignment 1/4" in 10'.

Where shown on the plans, or as directed by the Engineer, the concrete curb will be depressed for wheelchair ramps and driveways, per Standard Drawing Nos. 313, 318, 319, 320, 321, and 322.

Cement concrete curbs shall be constructed where shown on plans or as directed by the Engineer in accordance with Standard Drawing Nos. 307, 308, and 309.

At locations shown on the construction plans, the Contractor shall construct storm drainage frames and grates into cement concrete curb and gutter, per Standard Drawings Nos. 407 and 412.

8-04.5 Payment

SECTION 8-04.5 OF THE STANDARD SPECIFICATIONS IS SUPPLEMENTED WITH THE FOLLOWING:

Payment will be made for each of the following bid items that may be included in the proposal:

Add the following items:
"Cement Concrete Curb and Gutter Type A-1," per linear foot.
"Cement Concrete Curb Type ___," per linear foot.
"Extruded Asphalt Concrete Curb," per linear foot.
"Extruded Cement Concrete Curb," per linear foot.

"Cement Concrete Curb and Gutter Type A-1", "Cement Concrete Curb Type ___", "Extruded Asphalt Concrete Curb", and "Extruded Cement Concrete Curb", per linear foot shall be full compensation for all labor, equipment, materials and incidentals, including forms, necessary to perform the work. Installation of curb depressions for driveway cuts and wheelchair ramps shall be incidental to these items and no separate payment will be made.

COE 8-05 PRIVATE IMPROVEMENT.rtf

SECTION 8-05 PRIVATE IMPROVEMENTS (NEW SECTION)

(******)

VACANT SECTION 8-05 OF THE STANDARD SPECIFICATIONS IS REPLACED BY THE FOLLOWING:

8-05.1 Description

This work shall consist of removing and restoration of certain private improvements to conform to the new requirements due to construction.

8-05.2 Existing Private Improvements Restoration

As directed by the Engineer, existing private improvements that require relocation to accommodate the new construction, shall be restored in a location acceptable to the property owner and the Engineer. The Contractor shall protect and preserve from any damage or destruction all private property whether required to be removed and relocated or not. Private property damaged or destroyed due to the Contractor's negligence shall be removed and replaced in kind by the Contractor at his expense.

8-05.3 Vacant

8-05.4 Measurement

"Existing Private Improvements Restoration" shall be measured by force account.

8-05.5 Payment

Payment will be made for each of the following bid items that are included in the proposal.

1. "Existing Private Improvements Restoration," by force account.

"Existing Private Improvements Restoration" will be paid for by force account as specified in Section 1-09.6 of the Standard Specifications. For the purpose of providing a common proposal for all bidders, and for that purpose only, the City has estimated the amount for force account for "Existing Private Improvements Restoration" and has entered the amount in the proposal to become a part of the total bid by the Contractor.

COE 8-06 Cement Dwy.RTF

8-06 CEMENT CONCRETE DRIVEWAY RAMP

(******)

All references to "Cement Concrete Driveway Entrance Type ____" within this provision shall be revised to read "Cement Concrete Driveway Ramp Type__", as defined in accordance to the City of Everett Standard Drawing #315 to #317.

8-06.3 Construction Requirements

The first paragraph under Section 8-06.3 shall be deleted and replaced with the following:

Cement concrete driveway approaches shall be constructed with Commercial Concrete conforming to the requirements of Section 6-02 or Portland Cement Concrete Pavement conforming to the requirements of Section 5-05.

Cement concrete driveways and sidewalk driveway approaches shall be a minimum of 6” thick and shall be constructed using Commercial concrete as specified in Section 6-02.3 (2) B of the Standard Specifications. Concrete finishing for transitions to existing cement concrete driveways shall match the existing surface as closely as possible.

Existing cement concrete driveways shall be sawcut and the new pavement butt jointed to the existing driveway.

Subgrade/CSTC shall be compacted to a minimum of 95% maximum density at optimum moisture content.

Forms for the straight sections of the driveway shall have a minimum thickness of 3" and be equal to the nominal depth of the concrete. Plywood or 1" lumber may be used on radii. All forms shall be securely staked and blocked to true line and grade.

The driveway shall be protected against damage or defacement of any kind until acceptance by Owner. Any driveway not acceptable, in the opinion of the Engineer, because of damage or defacement shall be removed and shall be replaced by the Contractor at his expense.

Before placing any concrete, the Contractor shall have on the job site enough protective paper, or equivalent, to cover the pour of an entire day in the event of rain or other unsuitable weather conditions.

Curing of approach concrete shall be in accordance with Section 5-05.3(13).

Concrete approaches may be opened to traffic in accordance with Section 5-05.3(18).

8-06.4 Measurement

Section 8-06.4 shall be supplemented with the following:

Removal of existing driveway entrance, and preparing the sub-base shall be paid under contract unit price of "Roadway Excavation Incl. Haul."

The placing of the CSTC under the new Cement Conc. Driveway Ramp shall be paid for in accordance to Section 4-04.

8-06.5 Payment

Section 8-06.5 is supplemented with the following:

"Cement Concrete Driveway Ramp Type _____", per Square Yard.

GSL 8-14 SDWK & CURB RAMP.docx

8-14 CEMENT CONCRETE SIDEWALKS

8-14.3 Construction Requirements

Section 8-14.3 shall be deleted and replaced with the following:

(******)

The concrete in the Cement Concrete Sidewalk shall be Commercial Mix in accordance with the requirements of Section 6-02, and as defined in the City of COE Standard Drawing No. *312*.

8-14.3(1) Excavation

Section 8-14.3 (1) is supplemented with the following:

(******)

It is expected there will be sufficient suitable native material excavated from various portions of the improvement to fill low areas in the sidewalk subgrade and planting strip area when needed and no further payment will be allowed for fill material. Where there is insufficient suitable native material on the project site, the Contractor shall furnish, place and compact CSBC meeting the requirements of Section 4-04 of these Specifications.

8-14.3(6) Curb Ramp

Section 8-14.3 (6) is new and is supplemented with the following:

(******)

Curb ramp locations will be designated on the drawings or marked in the field by the Engineer. Where curb ramps are to be constructed, the Contractor shall construct curb ramp in accordance to the City of Everett Standard Drawing #318, 319, 320, 321, or WSDOT Standard Drawings F-40.12-02, F-40.14-02, F-40.15-02, F-40.16-02, F-45.10-01.

Curb ramps shall be constructed separately from the sidewalk to produce a definite break line between the ramp and the sidewalk. A 3/8 inch non-extruded through joint material shall be installed between the curb and the sidewalk with edging as specified in Section 8-14.3(3).

8-14.5 Payment

Section 8-14.5 is supplemented with the following:

(******)

"Cement Conc. Curb Ramp Type ___ ", per Each.

Above Bid Item(s) do not include the adjacent Curb, Curb and Gutter, Pedestrian Curb or Sidewalks.

Any sidewalk not acceptable in the opinion of the Engineer, because of damage, defacement, or carelessness on the part of the Contractor shall be removed, replaced and paid for in accordance to Section 1-05.7 (Removal of Defective and Unauthorized Work) of these provisions.

The placement of the CSBC under the new Cement Conc. Sidewalk shall be measured and paid in accordance to Section 4-04.

COE 8-21 SIGNING.RTF

8-21 PERMANENT SIGNING

8-21.1 Description

Permanent signing shall be installed in accordance with Section 8-21 of the Standard Specifications with the following modifications:

Traffic regulatory signs shall be installed in accordance with Everett Standard Plan 716. Street name signs shall be installed in accordance with Everett Standard Plan 715 or 717 and 718 as indicated on the plans.

8-21.2 Materials

This section is revised to read:

All signs shown in the plans with a mounting height of 14 feet and below shall be manufactured with a protective overlay film. The protective overlay film shall be a transparent, self adhesive film that is solvent resistant and approved for use by the reflective sheeting manufacturer.

8-21.2(1) Equipment List and Drawings

A) Shop Drawings for Signs: Within 20 days following execution of the contract, or approval of subcontractor, the contractor shall submit shop drawings for the traffic signs to be used on the project. Within 20 days following approval of the shop drawings, the contractor shall submit a letter to the engineer certifying that the signs have been ordered and certifying the manufacturer's planned delivery date.

The traffic signs shall be approved by the engineer in writing prior to the actual ordering of the equipment.

8-21.3 Construction Requirements

8-21.3(4) Sign Removal

This section is revised to read:

Where shown in the Plans or ordered by the Engineer, the existing signs and, if so indicated, the sign structures shall be removed by the Contractor. Where indicated, the Contractor shall remove concrete pedestals to a minimum of 1 foot below finished grade and backfill the hole to the satisfaction of the Engineer. Where an existing sign post is located within a sidewalk area, the Contractor shall remove the post and finish the area to make the sidewalk continuous. Wood signs, wood sign posts, wood structures, metal sign posts, windbeams, and other metal structural members shall become the property of the Contractor and shall be removed from the project. Aluminum signs shall remain the property of the City of Everett.

GSL 8-26 MOD BLOCK WALL.docx

8-26 CEMENT CONCRETE MODULAR BLOCK RETAINING WALL

Section 8-26 is vacant and is replaced with the following:

(******)

8-26.1 Description

Work shall consist of designing, furnishing and construction of a Cement Concrete Modular Block Unit Retaining Wall in accordance with these specifications and to the lines, grades, design, and dimensions shown on the plans. The face of the wall shall offer a rock-face type appearance. Cement concrete modular block units shall be similar to “Keystone,” “CypressStone,” or equivalent. The color of modular block unit shall be gray blend.

Work includes preparing foundation soil, furnishing and installing leveling pad, unit drainage fill and reinforced backfill to the lines and grades shown on the construction drawings.

8-26.1(1) Reference Documents

American Society for Testing and Materials (ASTM)

1) ASTM C140 Standard Test Methods for Sampling and Testing Concrete Masonry Units and Related Units
2) ASTM C1262 Standard Test Method for Evaluating the Freeze- Thaw Durability
3) ASTM C1372 Standard Specification for Dry-Cast Segmental Retaining Wall Units
4) ASTM D422 Standard Test Method for Particle-Size Analysis of Soils
5) ASTM D698 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft3 (600 kN-m/m3))
6) ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
7) ASTM D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft3 (2,700 kN-m/m3))
8) ASTM D3034 Standard Specification for Type PSM Poly Vinyl Chloride (PVC) Sewer Pipe and Fittings
9) ASTM D4318 Standard Test Methods for Liquid Limit, Plastic Limit, and Plasticity Index of Soils
10) ASTM D4354 Practice for Sampling Geosynthetics for Testing
11) ASTM D4355 Test Method for Deterioration of Geotextiles from Exposure to Ultraviolet Light and Water (Xenon-Arc Type Apparatus)
12) ASTM D4475 Horizontal Shear Strength of Pultruded Reinforced Plastic Rods
13) ASTM D4476 Flexural Properties of Fiber Reinforced Pultruded Plastic Rods
14) ASTM D4533 Test Method for Index Trapezoid Tearing Strength of Geotextiles
15) ASTM D4595 Standard Test Method for Tensile Properties of Geotextiles by the Wide-Width Strip Method
16) ASTM D4632 Test Method for Grab Breaking Load and Elongation of Geotextiles
17) ASTM D4759 Practice for Determining the Specification Conformance of Geosynthetics
18) ASTM D4873 Guide for Identification, Storage, and Handling of Geotextiles
19) ASTM D5199 Test Method for Measuring Nominal Thickness of Geotextiles and Geomembranes
20) ASTM D5261 Test Method for Measuring Mass per Unit Area of Geotextiles
21) ASTM D5262 Standard Test Method for Evaluating the Unconfined Tension Creep and Creep Rupture Behavior of Geosynthetics
22) ASTM D5493 Standard Test Method for Permittivity of Geotextiles Under Load
23) ASTM D5818 Standard Practice for Exposure and Retrieval of Samples to Evaluate Installation Damage of Geosynthetics

24) ASTM D6241 Standard Test Method for Static Puncture Strength of Geotextiles
25) ASTM D6574 Standard Test Method for Determining the (In-Plane) Hydraulic Transmissivity of a Geosynthetic by Radial Flow
26) ASTM D6637 Standard Test Method for Determining Tensile Properties of Geogrids by the Single or Multi-Rib Tensile Method
27) ASTM D6638 Standard Test Method for Determining Connection Strength Between Geosynthetic Reinforcement and Segmental Concrete Units (Modular Concrete Blocks)
28) ASTM D6706 Standard Test Method for Measuring Geosynthetic Pullout Resistance in Soil
29) ASTM D6916 Standard Test Method for Determining the Shear Strength Between Segmental Concrete Units (Modular Concrete Blocks)
30) ASTM D8102 Standard Practice for Manufacturing Quality Control of Geotextiles

American Association of State Highway and Transportation Officials (AASHTO)
1) AASHTO M252 Corrugated Polyethylene Drainage Pipe
2) AASHTO M288 Standard Specification for Geotextile Specification for Highway Applications

8-26.1(2) Quality Assurance Submittals

Contractor shall submit a list of five (5) previously constructed projects of similar size and magnitude by the wall installer where the specific retaining wall system has been constructed successfully. Contact names and telephone numbers shall be listed for each project.

Contractor shall submit a Manufacturer's certification, prior to start of work, that the retaining wall system components meet the requirements of this specification and the structure design.

Contractor shall submit certificate of compliance for each lot of bond breaker material delivered.

Contractor shall submit a sample of each different unit for approval.

Contractor shall provide soil testing and quality assurance inspection during earthwork and wall construction operations. Contractor shall provide quality control testing and inspection during construction. Owner's quality assurance program does not relieve the contractor of responsibility for quality control and wall performance.

8-26.1(3) Delivery, Storage and Handling

Contractor shall check all materials upon delivery to assure that the proper type, grade, color, and certification have been received.

Contractor shall protect all materials from damage due to job site conditions and in accordance with manufacturer's recommendations. Damaged materials shall not be incorporated into the work.

8-26.2 Materials

8-26.2(1) Base Leveling Pad

Base Leveling Pad Material shall consist of crushed surfacing base course per WSDOT Standard Specification 9-03.9(3) and as shown on the construction drawings.

8-26.2(2) Cement Concrete Modular Block (CMB) Unit

Cement Concrete Modular Block (CMB) Unit: a concrete retaining wall element machine-made from Portland cement, water, and aggregates.

CMB Units shall conform to the following architectural requirements:

1. Face color: concrete gray, unless otherwise specified.
2. Face finish: sculptured rock face in straight-face configuration. Other face finishes will not be allowed without written approval of Engineer.
3. Bond configuration: running with bonds nominally located at midpoint of vertically adjacent units, in both straight and curved alignments.
4. Exposed surfaces of units shall be free of chips, cracks or other imperfections when viewed from a distance of 10 feet (3 m) under diffused lighting.

CMB unit concrete materials shall conform to the requirements of ASTM C1372-Standard Specifications for Segmental Retaining Wall Units.

CMB units shall conform to the following structural and geometric requirements measured in accordance with ASTM C140 Sampling and Testing Concrete Masonry Units, ASTM D6916 Determining the Shear Strength Between Segmental Concrete Units and ASTM D6638 Determining Connection Strength Between Geosynthetic Reinforcement and Segmental Concrete Units:

1. Compressive strength: ≥3000 psi (21 MPa)
2. Absorption: ≤ 8 % for standard weight aggregates.
3. CMB Units: Similar to Keystone Standard 21” units or approved alternate.
    a. Width: 18" (457 mm).
    b. Depth: 21" (533 mm), not including rough split face.
    c. Height: 8" (203 mm).
    d. Weight: 82 - 114 pounds (37 - 52 kg) per unit minimum using standard weight aggregates

8-26.2(3) Shear Connectors

Shear connectors shall be 1/2" (12 mm) diameter thermoset isopthalic polyester resin pultruded fiberglass reinforcement rods to provide connection between vertically and horizontally adjacent units with the following requirements:

1. Flexural Strength in accordance with ASTM D4476: 128,000 psi (882 MPa) minimum;
2. Short Beam Shear in accordance with ASTM D4475: 6,400 psi (44 MPa) minimum.

Shear connectors shall be capable of holding the geogrid soil reinforcement in the proper design position during grid pre-tensioning and backfilling.

8-26.2(4) Unit Drainage Fill

Unit Drainage Fill: drainage aggregate that is placed within and behind the CMB units. Unit drainage fill shall consist of clean 1" (25 mm) minus crushed stone or crushed gravel meeting the following gradation tested in accordance with ASTM D422:

Sieve Size	Percent Passing
1” (25 mm)	100
3/4" (19 mm)	100 – 75
No. 4 (4.75 mm)	0 - 10
No. 50 (300um)	0 – 5

8-26.2(5) Geogrid Soil Reinforcement

Geogrid Soil Reinforcement: a structural element formed of high tenacity woven/ knitted polyester yarns or high-density polyethylene (HDPE) into a regular network of integrally connected tensile elements with apertures of sufficient size to allow interlocking with surrounding soil, rock, or earth and function primarily as reinforcement.

Geogrid soil reinforcement shall consist of Geotextile for Retaining Walls and Reinforced Slopes per WSDOT Standard Specification 9-33.2(2) Table 7.

8-26.2(6) Reinforced Backfill

Reinforced Backfill: compacted soil that is placed within the reinforced soil volume as outlined on the plans.

Reinforced backfill shall be free of debris and organic material; meeting the following gradation tested in accordance with ASTM D422:

Sieve Size	Percent Passing
3/4" (19 mm)	100 – 75
No. 40 (425um)	0 - 60
No. 200 (75um)	0 – 35

Plasticity Index (PI) <15 and Liquid Limit (LL) <40 per ASTM D4318.

The maximum aggregate size shall be limited to 3/4" (19 mm) unless field tests have been performed to evaluate potential strength reductions to the geogrid design due to damage during construction.

Material can be site-excavated soils where the above requirements can be met. Unsuitable soils for backfill (high plastic clays or organic soils) shall not be used in the backfill or in the reinforced soil mass.

Contractor shall submit reinforced backfill sample and laboratory test results to the Engineer for approval prior to the use of any proposed reinforced fill material.

8-26.2(7) Bond Breaker Geotextile

Bond breaker geotextile: A material placed between the top course of the cement concrete modular block unit retaining wall and the sidewalk concrete to prevent or limit bond between the concrete pavement and the base material.

Bond Breaker Geotextile filter fabric shall conform to the following table:

Property	Requirements	Test method
Geotextile type	Nonwoven, needle-punched geotextile, no thermal treatment (calendaring or IR)	EN 13249, Annex F (Manufacturer certification of production)
Mass per unit area	≥ 450 g/m² (13.3 oz/yd^2) ≤ 550 g/m² (16.2 oz/yd^2)	ISO 9864 (ASTM D 5261)
Thickness under load (pressure)	a. At 2 kPa (0.29 psi): ≥ 3.0 mm (0.12 in) b. At 20 kPa (2.9 psi): ≥ 2.5 mm (0.10 in) c. At 200 kPa (29 psi): ≥1.0 mm (0.04 in)	ISO 9863-1 (ASTM D 5199)
Wide-width tensile strength	≥ 10 kN/m (685 lb/ft)	ISO 10319 (ASTM D 4595)
Wide-width maximum Elongation	≤ 130%	ISO 10319 (ASTM D 4595)
Water permeability in normal direction under load (pressure)	At 20 kPa (2.9 psi): ≥ 1×10^{-4} m/s (3.3×10^{-4} ft/s)	DIN 60500-4 (mod. ASTM D 5493 or ASTM D 4491)
In-plane water permeability (transmissivity) under load (pressure)	a. At 20 kPa (2.9 psi): ≥ 5×10-4 m/s (1.6×10-3 ft/s) b. At 200 kPa (29 psi): ≥ 2×10-4 m/s (6.6×10-4 ft/s)	ISO 12958 (mod. ASTM D 6574 or ASTM D 4716)
Weather resistance	Retained strength ≥ 60%	EN 12224 (ASTM D 4355 @ 500 hrs. exposure)
Alkali resistance	≥ 96% polypropylene/polyethylene	EN 13249, Annex B (Manufacturer certification of polymer)

8-26.3 Construction Requirements

Contractor shall excavate to the lines and grades shown on the construction drawings. The Engineer shall inspect the excavation and approve the foundation soils prior to placement of leveling material or fill soils.

Over excavation and replacement of unsuitable foundation soils and replacement with approved compacted fill will be compensated as agreed upon with the Engineer.

8-26.3(1) Base Leveling Pad Installation

Base leveling pad material shall be placed to the lines and grades shown on the construction drawings, to a minimum thickness of 6" (150 mm) and extend laterally a minimum of 6" (150 mm) in front and behind the CMB unit.

Soil leveling pad materials shall be compacted to a minimum of 95% Standard Proctor density per ASTM D698 or 92% Modified Proctor Density per ASTM D1557.

Base leveling pad shall be prepared to insure full contact to the base surface of the concrete units.

8-26.3(2) CMB Unit Installation

CMB concrete units shall conform to the following construction requirements:

1) Vertical setback: 1" (25 mm) per course per the design;
2) Alignment and grid positioning mechanism fiberglass pins, two per unit minimum.
3) Maximum horizontal gap between erected units shall be ≤ 1/2" (13 mm).

First course of CMB units shall be placed on the leveling pad at the appropriate line and grade. Alignment and level shall be checked in all directions, ensuring that all units are in full contact with the base and properly seated.

Place the front of CMB units side-by-side. Do not leave gaps between adjacent CMB units. Layout of corners and curves shall be in accordance with manufacturer's recommendations.

Maximum stacked vertical height of wall units, prior to unit drainage fill and backfill placement and compaction, shall not exceed two courses.

8-26.3(3) Shear Connector Installation

Install shear/connecting devices per manufacturer’s recommendations.

8-26.3(4) Unit Drainage Fill Installation

Place unit drainage fill within CMB units. Unit drainage fill shall be placed within the cores of, between, and behind the units as indicated on the design drawings. Not less than one cubic foot (0.028 m^3), of unit drainage fill shall be used for each square foot (0.093 m^2) of wall face unless otherwise specified.

8-26.3(5) Geogrid Soil Reinforcement Installation

Geogrid shall be oriented with the highest strength axis perpendicular to the wall alignment.

Geogrid reinforcement shall be placed at the strengths, lengths, and elevations shown on the construction design drawings or as directed by the Engineer.

The geogrid shall be laid horizontally on compacted reinforced backfill and attached to the CMB wall units. Place the next course of CMB units over the geogrid. The geogrid shall be pulled taut and anchored prior to backfill placement on the geogrid.

Geogrid soil reinforcement shall be continuous throughout their embedment lengths and placed side-by-side to provide 100% coverage at each level. Spliced connections between shorter pieces of geogrid or gaps between adjacent pieces of geogrid are not permitted.

8-26.3(6) Reinforced Backfill Installation

Place and compact reinforced backfill behind CMB units and unit drainage fill. Follow wall erection closely with reinforced backfill. Reinforced backfill shall be placed, spread, and compacted in such a manner that minimizes the development of slack in the geogrid and installation damage.

Reinforced backfill shall be placed and compacted in lifts not to exceed 6 inches where hand operated compaction is used, or 8 – 10 inches where heavy self-propelled compaction equipment is used. Lift thickness shall be decreased to achieve the required density, as needed.

Reinforced backfill shall be compacted to a minimum of 95% Standard Proctor density per ASTM D698 or 92% Modified Proctor Density per ASTM D1557. The moisture content of the backfill material prior to and during compaction shall be uniformly distributed throughout each layer.

Only lightweight hand operated equipment shall be allowed within 3 feet (1 m) from the tail of the CMB unit retaining wall.

Tracked construction equipment shall not be operated directly upon the geogrid reinforcement. A minimum reinforces backfill thickness of 6 inches is required prior to operation of tracked vehicles over the geogrid. Tracked vehicle turning should be kept to a minimum to prevent tracks from displacing the reinforced backfill and damaging the geogrid.

At the end of each day's operation, the Contractor shall slope the last lift of reinforced backfill away from the CMB units to direct runoff away from wall face. The Contractor shall not allow surface runoff from adjacent areas to enter the wall construction site.

8-26.3(7) Bond Breaker Geotextile

Before placing bond breaker geotextile, remove foreign and loose materials from base. Place bond breaker geotextile less than 72 hours before covering it with pavement. Except when pavement is placed against previously placed pavement, extend the bond breaker at least 6 inches beyond the limits of the planned concrete placement.

Place bond breaker geotextile in a wrinkle free manner. Overlap adjacent sheets a minimum of 8 inches in the same direction as the concrete pour. Overlap no more than three layers at any location. Secure the bond breaker sufficiently that it remains in place during concrete placement. Ensure that no concrete will get under the bond breaker. Fastener spacing of 6 feet in the field and 3 feet along edges is recommended in order to prevent fabric displacement.

Secure bond breaker geotextile to the base with pins or nails punched through galvanized discs 2- to 2.75-inches in diameter. Maximum spacing must be less than 6 feet except along edges spacing must be less than 3 feet. The nail or pin and disk must not protrude above the surface of the bond breaker geotextile. Do not operate/ drive equipment on the bond breaker geotextile.

Dampen the bond breaker geotextile with water before covering it with pavement.

Protect the bond breaker geotextile from damage by any cause. Repair damaged bond breaker geotextile.

8-26.3(8) As-built Construction Tolerances

Vertical wall alignment: ± 1.5 inches over any 10 feet distance.

Wall Batter: within 2 degrees of design batter.

Horizontal alignment: ± 1.5 inches (40 mm) over any 10 feet distance. Corners, bends & curves: ± 1 foot to theoretical location.

Maximum horizontal gap between erected units shall be ≤ ½ inch.

8-26.3(9) Field Quality Control

Wall construction shall be monitored by a qualified Engineer to verify field conditions. If this work is not performed by the site geotechnical engineer, a geotechnical engineer shall be consulted in those matters pertaining to soil conditions and wall performance.

The foundation soils at each wall location shall be inspected by the Engineer and any unsuitable soils or improperly compacted material shall be removed and replaced as directed by the Engineer prior to wall construction to provide adequate bearing capacity and minimize settlement.

All wall excavation and retained soils shall be inspected for groundwater conditions and any additional drainage provisions required in the field shall be incorporated into the wall construction as directed by the Engineer.

Reinforced backfill material shall be tested and approved by the Engineer for use in the reinforced soil zone meeting the minimum requirements of the approved design plans.

All soil backfill shall be tested by the Contractor for moisture, density, and compaction periodically (every 2' vertically, 100'-200' c/c) meeting the minimum requirements of the approved design plans or project specifications.

Wall construction shall be periodically inspected by the Engineer to ensure the geogrid reinforcement elevations and lengths are installed in accordance with the approved design plans.

All wall elevations, grades, and backslope conditions shall be verified by the Engineer in the field for conformance with the approved design plans. Any revisions to the structure geometry or design criteria shall require design modification prior to proceeding with construction.

8-26.4 Measurement

Measurement of "Cement Concrete Modular Block Unit Retaining Wall" shall be per square foot of retaining wall surface using the full wall height (top of base leveling pad to the top of the final course); no further payment will be made except as shown in the paragraph "exclusions" below.

Including: Base leveling pad, compaction, unit drainage fill, CMB units and shear connectors, reinforced backfill, bond breaker geotextile, and other miscellaneous supplies.

8-26.5 Payment

The unit contract price per square foot for "Cement Concrete Modular Block Unit Retaining Wall" shall be full compensation for furnishing all material, labor, tools, and equipment necessary to construct the Cement Concrete Modular Block Unit Retaining Wall including, but not limited to, shop drawings, excavation, base leveling pad, compaction, unit drainage fill, CMB units and shear connectors, geogrid soil reinforcement, reinforced backfill, and bond breaker geotextile as shown in detail on plans or as directed by the Engineer. Restoration of adjacent landscaping not included in the payment.

END DIVISION8.RTF

END DIVISION 8

CITY OF EVERETT, WASHINGTON

CONTRACT PROVISIONS

18TH STREET PEDESTRIAN IMPROVEMENTS*

WORK ORDER #3741

BID PROPOSAL

To the City Council
Everett, Washington

The undersigned bidder declares that they have carefully examined the Plans and Specifications, Notice to Contractors, Instructions to Bidders, Standard Specifications, Special Provisions, Appendices, Proposal, and Contract for *the construction of new sidewalk and associated appurtenances along 18th Street between Maple Street and Jackson Park which will include curb ramps, storm drainage pipes and inlets, modular block retaining walls, fence and landscaping restoration* and other such work as may be necessary, in accordance with the Specifications, as shown on the Plans. The undersigned bidder declares that it has made such investigations as are necessary to determine the conditions to be encountered, and that if this Proposal is accepted the undersigned bidder will enter into a contract with the City of Everett, Washington, in the form of Contract hereto annexed, will, to the extent required, provide the necessary equipment, tools, apparatus, and other means of construction, and will furnish all labor and materials as specified in the Contract, or called for in the plans, or necessary to complete the work in the manner herein specified and according to the requirements of the Engineer.

The undersigned bidder certifies that this Proposal is in all respects fair and is made without collusion on the part of any person, firm or corporation mentioned below, and no officer or employee of the City of Everett is personally or financially interested, directly or indirectly, in the Proposal or in any purchase of or sale of any materials or supplies for the work to which it relates, or any portion of the profits thereof.

The undersigned bidder agrees that it will complete the work in all respects within * forty-three (43)* working days from the date of written Notice to Proceed; that they will pay liquidated damages to the City in the amount specified in the Contract.

Accompanying this Proposal is a bid bond or certified check or cashier's check in the amount of five percent (5%) of the Proposal according to the conditions of the "Notice to Contractors" and the Standard Specifications, the Special Provisions, and the "Instructions to Bidders" hereby attached. If this Proposal shall be accepted by the City of Everett, Washington, and the undersigned shall fail to execute the Contract and provide the required bonds as stated in the Instructions to Bidders hereto attached, within twenty (20) calendar days after the award date, then the City may, at its option, determine that the undersigned has abandoned the Contract and thereupon this Contract shall be null and void and the amount of the bid bond or certified check or cashier's check accompanying this Proposal shall be forfeited and become the property of the City of Everett, Washington.

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Note: Unit prices for all items, all extensions, and the total amount bid must be shown. Where conflict occurs between the unit price and the total amount named for any item, the unit price shall prevail, and totals shall be corrected to conform thereto. All entries must be typed or entered in ink.

BID SCHEDULE: 18th Street Pedestrian Improvements

BIDDER:_____

Item No.	ITEM DESCRIPTION	Unit	Bid Qty	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	LS	1	$_____.___	$_____.___
2	ADA Features Surveying	LS	1	$_____.___	$_____.___
3	SPCC Plan	LS	1	$_____.___	$_____.___
4	Erosion Control and Water Pollution Prevention	LS	1	$_____.___	$_____.___
5	Street Cleaning	HR	43	$_____.___	$_____.___
6	Inlet Protection	EA	7	$_____.___	$_____.___
7	High Visibility Silt Fence	LF	125	$_____.___	$_____.___
8	Project Temporary Traffic Control	LS	1	$_____.___	$_____.___
9	Traffic Control Supervisor	LS	1	$_____.___	$_____.___
10	Flaggers (Min. Bid $75/Hr.)	HR	688	$_____.___	$_____.___
11	Clearing and Grubbing	LS	1	$_____.___	$_____.___
12	Sawing Pavement	LF	652	$_____.___	$_____.___
13	Removal of Structures and Obstructions	LS	1	$_____.___	$_____.___
14	Roadway Excavation Incl. Haul	CY	427	$_____.___	$_____.___
15	Structure Excavation Class B Incl. Haul	CY	220	$_____.___	$_____.___
16	Gravel Backfill for Foundation Class B	CY	40	$_____.___	$_____.___
17	Controlled Density Fill	CY	20	$_____.___	$_____.___
18	Crushed Surfacing Base Course	TON	60	$_____.___	$_____.___
19	HMA Cl. 1/2" PG 64-22 Pavement Patch	TON	17	$_____.___	$_____.___
20	High-Density Polyethylene (HDPE) Storm Pipe, 6 In. Diam.	LF	40	$_____.___	$_____.___
21	High-Density Polyethylene (HDPE) Storm Pipe, 12 In. Diam.	LF	32	$_____.___	$_____.___

22	Connection to Existing Drainage Structure	EA	2	$_____.___	$_____.___
23	Catch Basin, Type 1L with Gas Trap	EA	1	$_____.___	$_____.___
24	Catch Basin, Type 1L	EA	2	$_____.___	$_____.___
25	Topsoil Type B	SY	170	$_____.___	$_____.___
26	Bark or Wood Chip Mulch	SY	100	$_____.___	$_____.___
27	Sod Installation	SY	126	$_____.___	$_____.___
28	Plant Selection Thua Occidentalis 'Smaragd' Emerald Green Arborvitae, 8'-9' Height	EA	15	$_____.___	$_____.___
29	Cement Conc. Traffic Curb and Gutter, Type A-1	LF	465	$_____.___	$_____.___
30	Cement Conc. Curb Type E-3	LF	25	$_____.___	$_____.___
31	Cement Conc. Pedestrian Curb	LF	45	$_____.___	$_____.___
32	Extruded Asphalt Wedge Curb	LF	41	$_____.___	$_____.___
33	Cement Concrete Driveway Type 1	SY	54	$_____.___	$_____.___
34	Chain Link Fence Type ____	LF	105	$_____.___	$_____.___
35	End, Gate, Corner, and Pull Post for Chain Link Fence	EA	12	$_____.___	$_____.___
36	Cement Concrete Sidewalk	SY	210	$_____.___	$_____.___
37	Cement Concrete Curb Ramp Type B Perpendicular	EA	1	$_____.___	$_____.___
38	Cement Concrete Curb Ramp Type C Parallel	EA	1	$_____.___	$_____.___
39	Cement Concrete Curb Ramp Type D Parallel	EA	1.5	$_____.___	$_____.___
40	Permanent Signing	LS	1	$_____.___	$_____.___
41	Cement Concrete Modular Block Unit Retaining Wall	SF	640	$_____.___	$_____.___
42	Existing Private Improvements Restoration	FA	1	$ 25,000.00	$ 25,000.00
				Total Bid Amount	$_____.___

PROPOSAL SIGNATURE SHEET

The undersigned bidder understands that the quantities mentioned herein are approximate only and are subject to increase or decrease, and hereby proposes to perform all quantities of work as either increased or decreased in accordance with the provisions of the Drawings and Specifications and at the unit prices bid in the Bid Schedule, unless such schedule designates lump sum bids, or force account items.

The full names and residences of all persons and parties interested in the foregoing bid as principals are as follows:

Name	**Title**	**Address**

Bidder acknowledges receipt of Addenda _____ through_____

Bidder has reviewed the insurance provisions of the Contract and hereby certifies that coverage will be provided as required. _____ Yes _____ No

Name of Bidder: _____

Bidder Mailing Address: _____

Phone: _____ Email: _____

State of Washington Contractor's License No. _____

Signature of Bidder's Authorized Agent: _____

Dated at: _____Date:

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RCW 35.22.650 CERTIFICATION

A set percentage of minority group member employees or minority business subcontracts is not required in the performance of the Work under this Contract. However, RCW 35.22.650 requires bidders (a) to actively solicit (i) employment of minority group members and (ii) subcontract bids from minority businesses, and (b) to submit evidence of its compliance with these requirements for active solicitations:

RCW 35.22.650

All contracts by and between a first-class city and contractors for any public work or improvement exceeding the sum of ten thousand dollars, or fifteen thousand dollars for construction of water mains, shall contain the following clause:

> "Contractor agrees that the contractor shall actively solicit the employment of minority group members. Contractor further agrees that the contractor shall actively solicit bids for the subcontracting of goods or services from qualified minority businesses. Contractor shall furnish evidence of the contractor's compliance with these requirements of minority employment and solicitation. Contractor further agrees to consider the grant of subcontracts to said minority bidders on the basis of substantially equal proposals in the light most favorable to said minority businesses. The contractor shall be required to submit evidence of compliance with this section as part of the bid."

As used in this section, the term "minority business" means a business at least fifty-one percent of which is owned by minority group members. Minority group members include, but are not limited to, blacks, women, native Americans, Asians, Eskimos, Aleuts, and Hispanics.

I. Bidder confirms that it actively solicits employment of minority group members. _____ *[yes or no]*

II. Please estimate the percentage of Bidder's employees on this Project that will be made up of minority group members: _____ [*state estimated percentage]*

III. Please estimate the percentage of goods and services that will be subcontracted to minority businesses on this Project: _____ *[state estimated percentage]*

IV. List all minority businesses from whom bids or quotes for goods or services on this Project have been solicited (attach additional sheet if necessary):

Minority Business Name	Address	Goods or Services Involved	Certification Number*

*Certification numbers (for MBE, MWBE, DBE, etc.) are found at Office of Minority & Women's Business Enterprises: https://omwbe.diversitycompliance.com/FrontEnd/SearchCertifiedDirectory.asp. If a minority business does not have a certification number, the Bidder must provide with this certification form evidence that the business is at least fifty-one percent owned by minority group members.

During Contract performance, or in any event prior to final payment, Bidder shall provide the City with the names and addresses of all minority businesses actually awarded subcontracts under the Contract. In the event that a subcontract bid or quote is solicited and listed above and a subcontract is not awarded to the minority business so listed, Contractor shall state the reasons such subcontract was not awarded to the minority business and shall provide the minority business quote together with the actual subcontract price paid and the name of the subcontractor to whom the subcontract was subsequently awarded.

FAILURE TO PROPERLY COMPLETE AND SUBMIT THIS CERTIFICATION FORM WITH THE BID WILL RESULT IN REJECTION OF BID. THE BIDDER CERTIFIES UNDER PENALTY OF PERJURY UNDER THE LAWS OF THE STATE OF WASHINGTON THAT THE ABOVE IS TRUE AND COMPLETE CORRECT TO THE BEST OF ITS KNOWLEDGE AND BELIEF AND FURTHER AGREES TO PROVIDE INFORMATION AS REQUESTED BY THE CITY REGARDING MINORITY BUSINESS SUBCONTRACTS AND EMPLOYMENT OF MINORITY GROUP MEMBERS.

Signature: _____ Date: _____

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

NON-COLLUSION DECLARATION

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.

BID GUARANTY

Bidder herewith guarantees its bid by depositing one of the following with its bid/proposal in an amount of five percent (5%) or more of the bidder's total bid/proposal:

- ☐ Certified check
- ☐ Cashier's check
- ☐ Bid Bond

_____
Signature

BID BOND

Bond No. _____

Project _____

W.O. # _____

KNOW ALL MEN BY THESE PRESENTS,
that _____ [Contractor], a corporation organized under the laws of the State of _____, and registered to do business in the State of Washington as a contractor, as Principal, and _____[Surety], a corporation organized under the laws of the State of _____ and registered to transact business in the State of Washington, as Surety, their heirs, executors, administrators, successors and assigns, are jointly and severally held and bound to the City of Everett, Washington, hereinafter called "City", and are similarly held and bound unto the City in the sum of _____ and __/100's Dollars ($_____), the payment of which, well and truly to be paid, we bind ourselves, our heirs, executors and successors, jointly and severally, formally by these presents.

NOW, THEREFORE, the condition of this obligation is such that the Surety is held and bound to the City to pay and forfeit to the City the amount of this bond as provided herein, upon the conditions contained herein, unless the conditions for release contained herein are satisfied or expressly waived in a writing signed by the City Attorney.

It is expressly understood and agreed that:

1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors and assigns to pay to the City upon default of Bidder the penal sum set forth on the face of this Bond.

2. Default of Bidder shall occur upon the failure of Bidder to deliver within the time required by the Bidding Documents the executed Agreement required by the Bidding Documents, any performance and payment bonds required by the Bidding Documents and Contract Documents, and evidence of insurance required by the Bidding Documents and Contract Documents.

3. This obligation shall be null and void if:

   3.1. City accepts Bidder's bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by City) the executed Agreement required by the Bidding Documents, any performance and payment bonds required by the Bidding Documents and Contract Documents, and evidence of insurance required by the Bidding Documents and Contract Documents, or

3.2. All bids are rejected by City, or

4. Payment under this Bond will be due and payable upon default of Bidder and within thirty (30) calendar days after receipt by Bidder and Surety of written notice of default from the City, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.

5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue notice of award agreed to in writing by City and Bidder, provided that the time for issuing notice of award including extensions shall not in the aggregate exceed one hundred twenty (120) days from Bid Due Date without Surety's written consent.

6. No suit or action shall be commenced under this Bond prior to thirty (30) calendar days after the notice of default required in paragraph 4 above is received by Bidder and Surety. Any suit or action under this bond must be instituted within the time period provided by applicable law.

7. The laws of the State of Washington shall apply to the determination of the rights and obligations of the parties hereunder. Venue for any dispute or claim hereunder shall be the state courts of Washington in Snohomish County, Washington.

8. Notice required hereunder shall be in writing sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier or United States Registered or Certified Mail, return receipt requested, postage prepaid, and shall be deemed to be effective upon receipt by the party concerned.

9. Surety shall cause to be attached to this Bond current and effective Power of Attorney evidencing authority of the officer, agent or representative to execute this Bond on behalf of Surety to execute and deliver such Bond and bind the Surety thereby.

10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond shall be deemed to be included herein as if set forth at length. If any provision of the Bond conflicts with any applicable provision of any applicable statue, then the provision of said statue shall govern and the remainder of this Bond that is not in conflict therewith shall continue in full force and effect.

11. The term "bid" as used herein includes a bid, offer or proposal as applicable.

BIDDER	SURETY
_____ (seal) Bidder's Name and Corporate Seal	_____ (seal) Surety's Name and Corporate Seal
By: _____ Signature, Title, and Date	By: _____ Signature, Title, and Date
Address: _____ _____	Address: _____ _____
Attest: _____ Signature, Title and Date	Attest: _____ Signature, Title and Date

Proposal for Incorporating Recycled Materials into the Project

In compliance with a new law that went into effect January 1, 2016 (SHB1695), 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.

Bidder: _____

Signature of Authorized Official: _____

Date: _____

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 (August 27, 2024), 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.*

CITY OF EVERETT, WASHINGTON

CONTRACT

THIS CONTRACT is made and entered into by and between the City of Everett, Washington, a municipal corporation existing under the laws of the State of Washington, (the "City") and _____ (the "Contractor").

In consideration of the sums to be paid to it by the City, Contractor hereby covenants and agrees to furnish all labor, tools, materials, equipment, and supplies required to complete in a workmanlike manner the work, improvements, and appurtenances in accordance with the Specifications and Plans entitled: "***18th Street Pedestrian Improvements***" (the "Project").

1. Contract Documents. This Contract is the written agreement signed between the City and Contractor and includes Division C – CONTRACT, Division P - PROPOSAL, Division B – BID ITEM DESCRIPTIONS, Special Provisions, Contract Plans, Standard Specifications, Standard Plans in effect as of the date Bids are opened, Addenda, supplemental agreements, change orders, certifications and affidavits required by this Contract and by law, and Federal requirements that apply to this Contract and Project, all of which are referred to as the "Contract Documents" and all of which are hereby incorporated by reference. A copy of the Contract Documents that were posted for the Project on Builder's Exchange of Washington (www.bxwa.com) as of Bid Opening Date is maintained by the City Clerk's Office as a single pdf and is available as follows

Link to PDF	

Contractor acknowledges that Contractor has downloaded and reviewed this pdf prior to signing this Contract. City and Contractor agree that this pdf contains all posted Contract Documents as of the Bid Opening Date. City and Contractor further agree that this pdf may contain some other documents (such as Reference Information) that are not Contract Documents.

2. Time for Completion. Substantial completion shall be achieved within **forty-three (43)** working days after the effective date of the Notice to Proceed. Physical completion shall be within **ten (10)** working days of the actual date of issuance of substantial completion.

3. Liquidated Damages. The parties agree the City will suffer damage and be put to additional expense in the event that the Contractor does not complete the work in all respects and have it ready for use by the substantial completion date stated. Because it is difficult to accurately compute the amount of such costs and damages, the Contractor hereby covenants and agrees to pay to the City liquidated damages as computed in Section 1-08.9 of the Standard Specifications, as may be amended by the Special Provisions, for each and every working day required to accomplish substantial completion of the work in excess of the period established above for substantial completion. For overruns in contract time occurring after the physical completion date, liquidated damages shall be assessed at the rate computed in Section 1-08.9 of the Standard Specifications, as may be amended by the Special Provisions, until the work is physically complete.

4. Contract Amount. The amount of this Contract is _____ ($_____) and is based on the proposal/bid submitted by Contractor dated _____. A copy of the such proposal/bid is attached hereto. The basis for final payment will be the actual amount of work performed according to the Contract Documents and payments, whether partial or final, shall be made as specified therein.

5. Withholding. Except as provided by RCW 60.28.011(1)(b), five percent (5%) of amounts due Contractor shall be retained and withheld to comply with RCW Chap. 60.28. Retained amounts shall only be released (A) as required by law or (B) 60 days after completion of all contract work if there are no claims against retained funds. In cases where all contract work other than landscaping is completed, retained amounts other than the five percent earned for landscaping, shall be released within 60 days of completion as may be required by applicable law. Within 30

days of accepting a retainage bond, the bonded portion of the retained funds shall be released as may be required by applicable law.

6. Compliance with Employment and Wage Laws. Contractor agrees to comply with all state and federal laws relating to the employment of labor and wage rates to be paid.

7. RCW 35.33.650. Contractor shall actively and in good faith solicit the employment of minority group members and bids for the supply of goods or subcontracting of services from qualified minority businesses. Contractor shall consider granting contracts to possible minority suppliers and subcontractors on the basis of substantially equal proposals in the light most favorable to the minority businesses. Contractor shall furnish evidence of its compliance with these requirements. As used in this section, the term "minority business" means a business at least fifty-one percent (51%) of which is owned by minority group members. Minority group members include, but are not limited to, African-Americans, Women, Native Americans, Asian/Pacific Islander-Americans, and Hispanic-Americans.

8. Indemnification.

A. Contractor will defend, indemnify and hold harmless the City from any and all Claims arising out of or relating to any acts, errors, omissions, or conduct by Contractor in connection with its performance of this Contract, including without limitation (and without limiting the generality of the foregoing) all Claims resulting from Contractor's performance of, or failure to perform, its express and implied obligations under the Contract. The Contractor will defend and indemnify and hold harmless the City whether a Claim is asserted directly against the City, or whether a Claim is asserted indirectly against the City, e.g., a Claim is asserted against someone else who then seeks contribution or indemnity from the City. The amount of insurance obtained by, obtainable by, or required of the Contractor does not in any way limit the Contractor's duty to defend and indemnify the City. The City retains the right to approve Claims investigation and counsel assigned to said Claim and all investigation and legal work regarding said Claim shall be performed under a fiduciary relationship to the City. This Section 8 is in addition to any other defense or indemnity or hold harmless obligation in the Contract Documents.

B. The Contractor's obligations under this Section 8 shall not apply to Claims caused by the sole negligence of the City. If (1) RCW 4.24.115 applies to a particular Claim, and (2) such Claim is caused by or results from the concurrent negligence of (a) the Contractor and (b) the City, then the Contractor's liability under this Section 8 shall be only to the extent of Contractor's negligence.

C. As used in this section: (1) "City" includes the City's officers, employees, agents, and representatives; (2) "Claims" include all losses, claims, demands, expenses (including, but not limited to, attorney's fees and litigation expenses), suits, judgments, or damage, whether threatened, asserted or filed against the City, whether such Claims sound in tort, contract, or any other legal theory, whether such Claims have been reduced to judgment or arbitration award, irrespective of the type of relief sought or demanded (such as money or injunctive relief), and irrespective of the type of damage alleged (such as bodily injury, damage to property, economic loss, general damages, special damages, or punitive damages); and (3) "Contractor" includes Contractor, its employees, agents, representatives and subcontractors. If, and to the extent, Contractor employs or engages subcontractors, then Contractor shall ensure that each such subcontractor (and subsequent tiers of subcontractors) shall expressly agree to defend and indemnify and hold harmless the City to the extent and on the same terms and conditions as the Contractor pursuant to this section.

9. Insurance. The Contractor shall purchase and maintain such insurance as set forth in the Contract Documents. Failure to maintain such insurance shall be a material breach of the Contract. The City shall be entitled to damages for such a breach that include, but are not limited to, any loss (including, but not limited to, third party litigation expenses and professional fees) suffered by the City if the City is determined to be solely or concurrently negligent, and if the City suffers any loss or must pay or defend against any such claim, suit, demand or damage as a result of such breach.

10. Waiver of Industrial Insurance Immunity. Contractor waives any right of contribution against the City. It is agreed and mutually negotiated that in any and all claims against the City, its agents or employees, the Contractor, a subcontractor, anyone directly or indirectly employed by the Contractor or subcontractor, or anyone for whose acts any of them may be liable, the defense and indemnification obligations hereunder shall not be limited in any

way by any limitation on the amount of damages, compensation, or benefits payable by or for the Contractor or any subcontractor under industrial worker's compensation acts, disability benefit acts, or other employees' benefit acts. Contractor's and City's signatures hereto indicate specific waiver of Contractor's industrial insurance immunity in order to fulfill the indemnities hereunder. Solely for the purpose of indemnification and defense as provided in this Contract, the Contractor specifically waives any immunity under the State Industrial Insurance Law, Title 51 RCW. The Contractor expressly acknowledges that this waiver of immunity under Title 51 RCW was the subject of mutual negotiation and was specifically entered into pursuant to the provisions of RCW 4.24.115.

11. Repair of Damage. The Contractor agrees to repair and replace all property of the City and all property of others damaged by it, its employees, subcontractors, suppliers and agents.

12. Pre-Bid Inspection and Risk of Loss. It is understood that the whole of the work under this contract is to be done at the Contractor's risk and that: (1) prior to submitting its proposal or bid, it became familiar with the conditions of excavation, subsurface, backfill, materials, climatic conditions, location, traffic, and other contingencies that may affect the work and has made its bid or proposal accordingly and (2) that it assumes the responsibility and risk of all loss or damage to materials or work which may arise from any cause whatsoever prior to completion.

12. Headings for Convenience Only. The headings in this document are for convenience only, and shall not be used or considered to interpret or construe this document.

13. Effective Date. This Contract is effective as of the date of the last person to sign it, and may be executed in multiple counterparts, each of which shall be deemed an original. This Contract may be signed with AdobeSign, and any such signature is fully binding.

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CITY OF EVERETT
WASHINGTON

By:

_____
Cassie Franklin, Mayor

_____
Date

ATTEST:

_____
Office of the City Clerk

STANDARD DOCUMENT
APPROVED AS TO FORM
OFFICE OF THE CITY ATTORNEY
OCTOBER 31, 2023

CONTRACTOR:

_____
[Contractor's Complete Legal Name]

By: _____
Signature

Typed/Printed Name of Signer: _____

Title of Signer: _____

Date: _____

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PUBLIC WORKS PERFORMANCE BOND
to City of Everett, WA

Bond No. _____

The City of Everett, Washington has awarded to _____ (Principal), a Contract for the construction of the project designated as "***18th Street Pedestrian Improvements***", Project No. **3741**, in Everett, 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 City of Everett 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 _____

STANDARD BOND FORM
OFFICE OF THE CITY ATTORNEY
APPROVED AS TO FORM
APPROVED AS TO CITY CHARTER § 4.1

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PUBLIC WORKS PAYMENT BOND
to City of Everett, WA

Bond No. _____

The City of Everett, Washington, has awarded to _____ (Principal), a Contract for the construction of the project designated as "***18th Street Pedestrian Improvements***", Project No. **3741**, in Everett, 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 City of Everett 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 _____

STANDARD BOND FORM
OFFICE OF THE CITY ATTORNEY
APPROVED AS TO FORM
APPROVED AS TO CITY CHARTER § 4.1

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APPENDICIES

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APPENDIX A

STATE PREVAILING WAGES

INCLUDING:

POLICY STATEMENT

CODE KEY

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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.]

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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. V. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established or outside the normal shift (5 am to 6pm), and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

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.

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.

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.

Overtime Codes Continued

11. 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.

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.

Overtime Codes Continued

11. 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.

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.

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.

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).

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).

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).

Holiday Codes Continued

7. 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.

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.

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.

Holiday Codes Continued

7. 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.

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.

Holiday Codes Continued

7. 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.

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.

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.)

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

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.

9. 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.

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: 7/3/2024

County	Trade	Job Classification	Wage	Holiday	Overtime	Note	*Risk Class
Snohomish	Asbestos Abatement Workers	Journey Level	$59.07	5D	1H		View
Snohomish	Boilermakers	Journey Level	$74.29	5N	1C		View
Snohomish	Brick Mason	Journey Level	$69.07	7E	1N		View
Snohomish	Brick Mason	Pointer-Caulker-Cleaner	$69.07	7E	1N		View
Snohomish	Building Service Employees	Janitor	$16.28		1		View
Snohomish	Building Service Employees	Shampooer	$16.28		1		View
Snohomish	Building Service Employees	Waxer	$16.28		1		View
Snohomish	Building Service Employees	Window Cleaner	$16.28		1		View
Snohomish	Cabinet Makers (In Shop)	Journey Level	$26.72	5C	2M		View
Snohomish	Carpenters	Acoustical Worker	$74.96	15J	4C		View
Snohomish	Carpenters	Bridge, Dock And Wharf Carpenters	$74.96	15J	4C		View
Snohomish	Carpenters	Floor Layer & Floor Finisher	$74.96	15J	4C		View
Snohomish	Carpenters	Journey Level	$74.96	15J	4C		View
Snohomish	Carpenters	Scaffold Erector	$74.96	15J	4C		View
Snohomish	Cement Masons	Application of all Composition Mastic	$72.87	15J	4U		View
Snohomish	Cement Masons	Application of all Epoxy Material	$72.37	15J	4U		View
Snohomish	Cement Masons	Application of all Plastic Material	$72.87	15J	4U		View
Snohomish	Cement Masons	Application of Sealing Compound	$72.37	15J	4U		View
Snohomish	Cement Masons	Application of Underlayment	$72.87	15J	4U		View
Snohomish	Cement Masons	Building General	$72.37	15J	4U		View
Snohomish	Cement Masons	Composition or Kalman Floors	$72.87	15J	4U		View
Snohomish	Cement Masons	Concrete Paving	$72.37	15J	4U		View
Snohomish	Cement Masons	Curb & Gutter Machine	$72.87	15J	4U		View
Snohomish	Cement Masons	Curb & Gutter, Sidewalks	$72.37	15J	4U		View
Snohomish	Cement Masons	Curing Concrete	$72.37	15J	4U		View
Snohomish	Cement Masons	Finish Colored Concrete	$72.87	15J	4U		View

Snohomish	Cement Masons	Floor Grinding	$72.87	15J	4U		View
Snohomish	Cement Masons	Floor Grinding/Polisher	$72.37	15J	4U		View
Snohomish	Cement Masons	Green Concrete Saw, self-powered	$72.87	15J	4U		View
Snohomish	Cement Masons	Grouting of all Plates	$72.37	15J	4U		View
Snohomish	Cement Masons	Grouting of all Tilt-up Panels	$72.37	15J	4U		View
Snohomish	Cement Masons	Gunite Nozzleman	$72.87	15J	4U		View
Snohomish	Cement Masons	Hand Powered Grinder	$72.87	15J	4U		View
Snohomish	Cement Masons	Journey Level	$72.37	15J	4U		View
Snohomish	Cement Masons	Patching Concrete	$72.37	15J	4U		View
Snohomish	Cement Masons	Pneumatic Power Tools	$72.87	15J	4U		View
Snohomish	Cement Masons	Power Chipping & Brushing	$72.87	15J	4U		View
Snohomish	Cement Masons	Sand Blasting Architectural Finish	$72.87	15J	4U		View
Snohomish	Cement Masons	Screed & Rodding Machine	$72.87	15J	4U		View
Snohomish	Cement Masons	Spackling or Skim Coat Concrete	$72.37	15J	4U		View
Snohomish	Cement Masons	Troweling Machine Operator	$72.87	15J	4U		View
Snohomish	Cement Masons	Troweling Machine Operator on Colored Slabs	$72.87	15J	4U		View
Snohomish	Cement Masons	Tunnel Workers	$72.87	15J	4U		View
Snohomish	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	$129.71	15J	4C		View
Snohomish	Divers & Tenders	Dive Supervisor/Master	$93.94	15J	4C		View
Snohomish	Divers & Tenders	Diver	$129.71	15J	4C	8V	View
Snohomish	Divers & Tenders	Diver On Standby	$88.94	15J	4C		View
Snohomish	Divers & Tenders	Diver Tender	$80.82	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$93.26	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	$98.26	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$102.26	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$107.26	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$109.76	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$114.76	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$116.76	15J	4C		View
Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$118.76	15J	4C		View

Snohomish	Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	$120.76	15J	4C		View
Snohomish	Divers & Tenders	Manifold Operator	$80.82	15J	4C		View
Snohomish	Divers & Tenders	Manifold Operator Mixed Gas	$85.82	15J	4C		View
Snohomish	Divers & Tenders	Remote Operated Vehicle Operator/Technician	$80.82	15J	4C		View
Snohomish	Divers & Tenders	Remote Operated Vehicle Tender	$75.41	15J	4C		View
Snohomish	Dredge Workers	Assistant Engineer	$79.62	5D	3F		View
Snohomish	Dredge Workers	Assistant Mate (Deckhand)	$79.01	5D	3F		View
Snohomish	Dredge Workers	Boatmen	$79.62	5D	3F		View
Snohomish	Dredge Workers	Engineer Welder	$81.15	5D	3F		View
Snohomish	Dredge Workers	Leverman, Hydraulic	$82.77	5D	3F		View
Snohomish	Dredge Workers	Mates	$79.62	5D	3F		View
Snohomish	Dredge Workers	Oiler	$79.01	5D	3F		View
Snohomish	Drywall Applicator	Journey Level	$75.73	15O	11S		View
Snohomish	Drywall Tapers	Journey Level	$75.73	15O	11S		View
Snohomish	Electrical Fixture Maintenance Workers	Journey Level	$16.28		1		View
Snohomish	Electricians - Inside	Cable Splicer	$90.40	7H	1E		View
Snohomish	Electricians - Inside	Construction Stock Person	$42.59	7H	1D		View
Snohomish	Electricians - Inside	Journey Level	$84.73	7H	1E		View
Snohomish	Electricians - Motor Shop	Craftsman	$16.28		1		View
Snohomish	Electricians - Motor Shop	Journey Level	$16.28		1		View
Snohomish	Electricians - Powerline Construction	Cable Splicer	$93.00	5A	4D		View
Snohomish	Electricians - Powerline Construction	Certified Line Welder	$85.42	5A	4D		View
Snohomish	Electricians - Powerline Construction	Groundperson	$55.27	5A	4D		View
Snohomish	Electricians - Powerline Construction	Heavy Line Equipment Operator	$85.42	5A	4D		View
Snohomish	Electricians - Powerline Construction	Journey Level Lineperson	$85.42	5A	4D		View
Snohomish	Electricians - Powerline Construction	Line Equipment Operator	$73.35	5A	4D		View
Snohomish	Electricians - Powerline Construction	Meter Installer	$55.27	5A	4D	8W	View
Snohomish	Electricians - Powerline Construction	Pole Sprayer	$85.42	5A	4D		View
Snohomish	Electricians - Powerline Construction	Powderperson	$63.50	5A	4D		View
Snohomish	Electronic Technicians	Electronic Technicians Journey Level	$53.94	5B	1B		View
Snohomish	Elevator Constructors	Mechanic	$111.26	7D	4A		View
Snohomish	Elevator Constructors	Mechanic In Charge	$120.27	7D	4A		View
Snohomish	Fabricated Precast Concrete Products	Journey Level	$16.28		1		View

Snohomish	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$16.28		1		View
Snohomish	Fence Erectors	Fence Erector	$50.07	15J	11P	8Y	View
Snohomish	Fence Erectors	Fence Laborer	$50.07	15J	11P	8Y	View
Snohomish	Flaggers	Journey Level	$50.07	15J	11P	8Y	View
Snohomish	Glaziers	Journey Level	$79.16	7L	1Y		View
Snohomish	Heat & Frost Insulators And Asbestos Workers	Journey Level	$87.15	15H	11C		View
Snohomish	Heating Equipment Mechanics	Journey Level	$96.42	7F	1E		View
Snohomish	Hod Carriers & Mason Tenders	Journey Level	$62.49	15J	11P	8Y	View
Snohomish	Industrial Power Vacuum Cleaner	Journey Level	$16.28		1		View
Snohomish	Inland Boatmen	Boat Operator	$61.41	5B	1K		View
Snohomish	Inland Boatmen	Cook	$56.48	5B	1K		View
Snohomish	Inland Boatmen	Deckhand	$57.48	5B	1K		View
Snohomish	Inland Boatmen	Deckhand Engineer	$58.81	5B	1K		View
Snohomish	Inland Boatmen	Launch Operator	$58.89	5B	1K		View
Snohomish	Inland Boatmen	Mate	$57.31	5B	1K		View
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator	$49.48	15M	11O		View
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Operator	$49.48	15M	11O		View
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$49.48	15M	11O		View
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$47.41	15M	11O		View
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$41.20	15M	11O		View
Snohomish	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	$44.31	15M	11O		View
Snohomish	Insulation Applicators	Journey Level	$74.96	15J	4C		View
Snohomish	Ironworkers	Journeyman	$87.80	15K	11N		View
Snohomish	Laborers	Air, Gas Or Electric Vibrating Screed	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Airtrac Drill Operator	$60.90	15J	11P	8Y	View
Snohomish	Laborers	Ballast Regular Machine	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Batch Weighman	$50.07	15J	11P	8Y	View
Snohomish	Laborers	Brick Pavers	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Brush Cutter	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Brush Hog Feeder	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Burner	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Caisson Worker	$60.90	15J	11P	8Y	View
Snohomish	Laborers	Carpenter Tender	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Cement Dumper-paving	$60.15	15J	11P	8Y	View

Snohomish	Laborers	Cement Finisher Tender	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Change House Or Dry Shack	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Chipping Gun (30 Lbs. And Over)	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Chipping Gun (Under 30 Lbs.)	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Choker Setter	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Chuck Tender	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Clary Power Spreader	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Clean-up Laborer	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Concrete Dumper/Chute Operator	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Concrete Form Stripper	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Concrete Placement Crew	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Concrete Saw Operator/Core Driller	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Crusher Feeder	$50.07	15J	11P	8Y	View
Snohomish	Laborers	Curing Laborer	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Ditch Digger	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Diver	$60.90	15J	11P	8Y	View
Snohomish	Laborers	Drill Operator (Hydraulic, Diamond)	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Dry Stack Walls	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Dump Person	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Epoxy Technician	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Erosion Control Worker	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Faller & Bucker Chain Saw	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Fine Graders	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Firewatch	$50.07	15J	11P	8Y	View
Snohomish	Laborers	Form Setter	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Gabian Basket Builders	$59.07	15J	11P	8Y	View
Snohomish	Laborers	General Laborer	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Grade Checker & Transit Person	$62.49	15J	11P	8Y	View
Snohomish	Laborers	Grinders	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Grout Machine Tender	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Groutmen (Pressure) Including Post Tension Beams	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Guardrail Erector	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Hazardous Waste Worker (Level A)	$60.90	15J	11P	8Y	View
Snohomish	Laborers	Hazardous Waste Worker (Level B)	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Hazardous Waste Worker (Level C)	$59.07	15J	11P	8Y	View
Snohomish	Laborers	High Scaler	$60.90	15J	11P	8Y	View
Snohomish	Laborers	Jackhammer	$60.15	15J	11P	8Y	View

Snohomish	Laborers	Laserbeam Operator	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Maintenance Person	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Manhole Builder-Mudman	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Material Yard Person	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Mold Abatement Worker	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Motorman-Dinky Locomotive	$62.59	15J	11P	8Y	View
Snohomish	Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	$62.49	15J	11P	8Y	View
Snohomish	Laborers	Pavement Breaker	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Pilot Car	$50.07	15J	11P	8Y	View
Snohomish	Laborers	Pipe Layer (Lead)	$62.49	15J	11P	8Y	View
Snohomish	Laborers	Pipe Layer/Tailor	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Pipe Pot Tender	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Pipe Reliner	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Pipe Wrapper	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Pot Tender	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Powderman	$60.90	15J	11P	8Y	View
Snohomish	Laborers	Powderman's Helper	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Power Jacks	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Railroad Spike Puller - Power	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Raker - Asphalt	$62.49	15J	11P	8Y	View
Snohomish	Laborers	Re-timberman	$60.90	15J	11P	8Y	View
Snohomish	Laborers	Remote Equipment Operator	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Rigger/Signal Person	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Rip Rap Person	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Rivet Buster	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Rodder	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Scaffold Erector	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Scale Person	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Sloper (Over 20")	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Sloper Sprayer	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Spreader (Concrete)	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Stake Hopper	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Stock Piler	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Swinging Stage/Boatswain Chair	$50.07	15J	11P	8Y	View
Snohomish	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Tamper (Multiple & Self-propelled)	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Toolroom Person (at Jobsite)	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Topper	$59.07	15J	11P	8Y	View

Snohomish	Laborers	Track Laborer	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Track Liner (Power)	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Traffic Control Laborer	$53.54	15J	11P	9C	View
Snohomish	Laborers	Traffic Control Supervisor	$56.73	15J	11P	9C	View
Snohomish	Laborers	Truck Spotter	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Tugger Operator	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$175.79	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$180.82	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$184.50	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$190.20	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$192.32	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$197.42	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$199.32	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$201.32	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$203.32	15J	11P	9B	View
Snohomish	Laborers	Tunnel Work-Guage and Lock Tender	$62.59	15J	11P	8Y	View
Snohomish	Laborers	Tunnel Work-Miner	$62.59	15J	11P	8Y	View
Snohomish	Laborers	Vibrator	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Vinyl Seamer	$59.07	15J	11P	8Y	View
Snohomish	Laborers	Watchman	$45.51	15J	11P	8Y	View
Snohomish	Laborers	Welder	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Well Point Laborer	$60.15	15J	11P	8Y	View
Snohomish	Laborers	Window Washer/Cleaner	$45.51	15J	11P	8Y	View
Snohomish	Laborers - Underground Sewer & Water	General Laborer & Topman	$59.07	15J	11P	8Y	View
Snohomish	Laborers - Underground Sewer & Water	Pipe Layer	$60.15	15J	11P	8Y	View
Snohomish	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$45.51	15J	11P	8Y	View
Snohomish	Landscape Construction	Landscape Operator	$82.25	15J	11G	8X	View
Snohomish	Landscape Maintenance	Groundskeeper	$16.28		1		View
Snohomish	Lathers	Journey Level	$75.73	15O	11S		View
Snohomish	Marble Setters	Journey Level	$69.07	7E	1N		View
Snohomish	Metal Fabrication (In Shop)	Journey Level	$37.56	0	11D		View
Snohomish	Millwright	Journey Level	$76.51	15J	4C		View
Snohomish	Modular Buildings	Journey Level	$16.28		1		View
Snohomish	Painters	Journey Level	$51.71	6Z	11J		View
Snohomish	Pile Driver	Crew Tender	$80.82	15J	4C		View
Snohomish	Pile Driver	Journey Level	$75.41	15J	4C		View

Snohomish	Plasterers	Journey Level	$70.91	7Q	1R		View
Snohomish	Plasterers	Nozzleman	$74.91	7Q	1R		View
Snohomish	Playground & Park Equipment Installers	Journey Level	$16.28		1		View
Snohomish	Plumbers & Pipefitters	Journey Level	$86.72	5A	1G		View
Snohomish	Power Equipment Operators	Asphalt Plant Operators	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Assistant Engineer	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Barrier Machine (zipper)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Batch Plant Operator: concrete	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Boat Operator	$83.95	7A	11H	8X	View
Snohomish	Power Equipment Operators	Bobcat	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Brokk - Remote Demolition Equipment	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Brooms	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Bump Cutter	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Cableways	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Chipper	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Compressor	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Concrete Finish Machine - Laser Screed	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Conveyors	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Cranes Friction: 200 tons and over	$86.48	7A	11H	8X	View
Snohomish	Power Equipment Operators	Cranes, A-frame: 10 tons and under	$78.95	7A	11H	8X	View
Snohomish	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$84.77	7A	11H	8X	View
Snohomish	Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	$83.20	7A	11H	8X	View
Snohomish	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$85.66	7A	11H	8X	View
Snohomish	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	$86.48	7A	11H	8X	View
Snohomish	Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$83.95	7A	11H	8X	View

Snohomish	Power Equipment Operators	Cranes: Friction cranes through 199 tons	$85.66	7A	11H	8X	View
Snohomish	Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators	Crusher	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Deck Engineer/Deck Winches (power)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Derricks, On Building Work	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Dozers D-9 & Under	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Drilling Machine	$84.46	15J	11G	8X	View
Snohomish	Power Equipment Operators	Elevator and man-lift: permanent and shaft type	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Forklift: 3000 lbs and over with attachments	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Gradechecker/Stakeman	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Guardrail Punch	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Horizontal/Directional Drill Locator	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Horizontal/Directional Drill Operator	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	$78.95	7A	11H	8X	View
Snohomish	Power Equipment Operators	Leverman	$85.33	15J	11G	8X	View
Snohomish	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Loaders, Overhead Under 6 Yards	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Loaders, Plant Feed	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Loaders: Elevating Type Belt	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Locomotives, All	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Material Transfer Device	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$84.46	15J	11G	8X	View
Snohomish	Power Equipment Operators	Motor Patrol Graders	$83.62	15J	11G	8X	View

Snohomish	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	$83.20	7A	11H	8X	View
Snohomish	Power Equipment Operators	Overhead, bridge type: 100 tons and over	$84.77	7A	11H	8X	View
Snohomish	Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	$83.95	7A	11H	8X	View
Snohomish	Power Equipment Operators	Pavement Breaker	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Pile Driver (other Than Crane Mount)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Posthole Digger, Mechanical	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Power Plant	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Pumps - Water	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Rigger and Bellman	$78.95	7A	11H	8X	View
Snohomish	Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators	Rollagon	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Roller, Other Than Plant Mix	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Roto-mill, Roto-grinder	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Saws - Concrete	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Scrapers - Concrete & Carry All	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Service Engineers: Equipment	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Shotcrete/Gunite Equipment	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoes,	$82.88	15J	11G	8X	View

		Tractors: 15 To 30 Metric Tons					
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$84.46	15J	11G	8X	View
Snohomish	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$85.33	15J	11G	8X	View
Snohomish	Power Equipment Operators	Slipform Pavers	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Spreader, Topsider & Screedman	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Subgrader Trimmer	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Tower Bucket Elevators	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$85.66	7A	11H	8X	View
Snohomish	Power Equipment Operators	Tower crane: up to 175' in height base to boom	$84.77	7A	11H	8X	View
Snohomish	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	$86.48	7A	11H	8X	View
Snohomish	Power Equipment Operators	Transporters, All Track Or Truck Type	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Trenching Machines	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	$83.20	7A	11H	8X	View
Snohomish	Power Equipment Operators	Truck crane oiler/driver: under 100 tons	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators	Truck Mount Portable Conveyor	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators	Welder	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators	Wheel Tractors, Farmall Type	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators	Yo Yo Pay Dozer	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Boat Operator	$83.95	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Bobcat	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Brooms	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cableways	$83.62	15J	11G	8X	View

Snohomish	Power Equipment Operators-Underground Sewer & Water	Chipper	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Compressor	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine - Laser Screed	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Conveyors	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	$86.48	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes, A-frame: 10 tons and under	$78.95	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$84.77	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	$83.20	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$85.66	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$86.48	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$83.95	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$85.66	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Cranes: through 19 tons with attachments, a-frame over 10 tons	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Crusher	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/Deck Winches (power)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$84.46	15J	11G	8X	View

Snohomish	Power Equipment Operators-Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Gradechecker/Stakeman	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Locator	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Operator	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	$78.95	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Leverman	$85.33	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$84.46	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$78.65	15J	11G	8X	View

Snohomish	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	$83.20	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 100 tons and over	$84.77	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	$83.95	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Power Plant	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height base to boom	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	$78.95	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Rollagon	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shotcrete/Gunite Equipment	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$82.25	15J	11G	8X	View

Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$84.46	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$85.33	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$85.66	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower crane: up to 175' in height base to boom	$84.77	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	$86.48	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$82.25	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	$83.20	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	$82.56	7A	11H	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	$82.88	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Welder	$83.62	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$78.65	15J	11G	8X	View
Snohomish	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$82.88	15J	11G	8X	View
Snohomish	Power Line Clearance Tree Trimmers	Journey Level In Charge	$57.22	5A	4A		View
Snohomish	Power Line Clearance Tree Trimmers	Spray Person	$54.32	5A	4A		View
Snohomish	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$57.22	5A	4A		View
Snohomish	Power Line Clearance Tree Trimmers	Tree Trimmer	$51.18	5A	4A		View
Snohomish	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$38.99	5A	4A		View

Snohomish	Refrigeration & Air Conditioning Mechanics	Journey Level	$89.21	5A	1G		View
Snohomish	Residential Brick Mason	Journey Level	$22.73		1		View
Snohomish	Residential Carpenters	Journey Level	$74.96	15J	4C		View
Snohomish	Residential Cement Masons	Journey Level	$72.37	15J	4U		View
Snohomish	Residential Drywall Applicators	Journey Level	$49.92	15J	4C		View
Snohomish	Residential Drywall Tapers	Journey Level	$74.50	5P	1E		View
Snohomish	Residential Electricians	Journey Level	$48.80		1		View
Snohomish	Residential Glaziers	Journey Level	$27.66		1		View
Snohomish	Residential Insulation Applicators	Journey Level	$27.61		1		View
Snohomish	Residential Laborers	Journey Level	$28.78		1		View
Snohomish	Residential Marble Setters	Journey Level	$39.71		1		View
Snohomish	Residential Painters	Journey Level	$30.44		1		View
Snohomish	Residential Plumbers & Pipefitters	Journey Level	$51.38		1		View
Snohomish	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$96.42	7F	1E		View
Snohomish	Residential Sheet Metal Workers	Journey Level	$96.42	7F	1E		View
Snohomish	Residential Soft Floor Layers	Journey Level	$57.11	5A	3J		View
Snohomish	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$61.85		1		View
Snohomish	Residential Stone Masons	Journey Level	$39.71		1		View
Snohomish	Residential Terrazzo Workers	Journey Level	$16.28		1		View
Snohomish	Residential Terrazzo/Tile Finishers	Journey Level	$27.90		1		View
Snohomish	Residential Tile Setters	Journey Level	$21.38		1		View
Snohomish	Roofers	Journey Level	$64.45	5A	3H		View
Snohomish	Roofers	Using Irritable Bituminous Materials	$67.39	5A	3H		View
Snohomish	Sheet Metal Workers	Journey Level (Field or Shop)	$96.42	7F	1E		View
Snohomish	Shipbuilding & Ship Repair	New Construction Boilermaker	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Carpenter	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Crane Operator	$43.16	7V	1		View
Snohomish	Shipbuilding & Ship Repair	New Construction Electrician	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$87.15	15H	11C		View
Snohomish	Shipbuilding & Ship Repair	New Construction Laborer	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Machinist	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Operating Engineer	$43.16	7V	1		View
Snohomish	Shipbuilding & Ship Repair	New Construction Painter	$51.95	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Pipefitter	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Rigger	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Sheet Metal	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	New Construction Shipwright	$51.85	7X	4J		View

Snohomish	Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$43.16	7V	1		View
Snohomish	Shipbuilding & Ship Repair	New Construction Welder / Burner	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Boilermaker	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Carpenter	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	7Y	4K		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Electrician	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$87.15	15H	11C		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Laborer	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Machinist	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	7Y	4K		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Painter	$51.95	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Pipefitter	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Rigger	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Shipwright	$51.85	7X	4J		View
Snohomish	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	7Y	4K		View
Snohomish	Sign Makers & Installers (Electrical)	Sign Installer	$26.56		1		View
Snohomish	Sign Makers & Installers (Electrical)	Sign Maker	$20.50		1		View
Snohomish	Sign Makers & Installers (Non-Electrical)	Sign Installer	$22.56		1		View
Snohomish	Sign Makers & Installers (Non-Electrical)	Sign Maker	$20.50		1		View
Snohomish	Soft Floor Layers	Journey Level	$66.32	15J	4C		View
Snohomish	Solar Controls For Windows	Journey Level	$16.28		1		View
Snohomish	Sprinkler Fitters (Fire Protection)	Journey Level	$95.49	5C	1X		View
Snohomish	Stage Rigging Mechanics (Non Structural)	Journey Level	$16.28		1		View
Snohomish	Stone Masons	Journey Level	$69.07	7E	1N		View
Snohomish	Street And Parking Lot Sweeper Workers	Journey Level	$16.28		1		View
Snohomish	Surveyors	Assistant Construction Site Surveyor	$82.56	7A	11H	8X	View
Snohomish	Surveyors	Chainman	$78.95	7A	11H	8X	View
Snohomish	Surveyors	Construction Site Surveyor	$83.95	7A	11H	8X	View
Snohomish	Surveyors	Drone Operator (when used in conjunction with survey work only)	$78.95	7A	11H	8X	View
Snohomish	Surveyors	Ground Penetrating Radar Operator	$78.95	7A	11H	8X	View
Snohomish	Telecommunication Technicians	Telecom Technician Journey Level	$53.94	5B	1B		View
Snohomish	Telephone Line Construction - Outside	Cable Splicer	$40.36	5A	2B		View

Snohomish	Telephone Line Construction - Outside	Hole Digger/Ground Person	$26.92	5A	2B		View
Snohomish	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$33.74	5A	2B		View
Snohomish	Telephone Line Construction - Outside	Telephone Lineperson	$38.15	5A	2B		View
Snohomish	Terrazzo Workers	Journey Level	$62.36	7E	1N		View
Snohomish	Tile Setters	Journey Level	$62.36	7E	1N		View
Snohomish	Tile, Marble & Terrazzo Finishers	Finisher	$53.19	7E	1N		View
Snohomish	Traffic Control Stripers	Journey Level	$89.54	15L	1K		View
Snohomish	Truck Drivers	Asphalt Mix Over 16 Yards	$74.95	15J	11M	8L	View
Snohomish	Truck Drivers	Asphalt Mix To 16 Yards	$74.02	15J	11M	8L	View
Snohomish	Truck Drivers	Dump Truck	$74.02	15J	11M	8L	View
Snohomish	Truck Drivers	Dump Truck & Trailer	$74.95	15J	11M	8L	View
Snohomish	Truck Drivers	Other Trucks	$74.95	15J	11M	8L	View
Snohomish	Truck Drivers - Ready Mix	Transit Mix	$74.95	15J	11M	8L	View
Snohomish	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.05		1		View
Snohomish	Well Drillers & Irrigation Pump Installers	Oiler	$16.28		1		View
Snohomish	Well Drillers & Irrigation Pump Installers	Well Driller	$19.01		1		View

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APPENDIX B

PUGET SOUND CLEAN AIR AGENCY – EXCERPTS OF AIR QUALITY RULES

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ARTICLE 9: EMISSION STANDARDS

SECTION 9.03 EMISSION OF AIR CONTAMINANT: VISUAL STANDARD

Adopted 03/13/68 (12) Revised 07/08/70 (126), 04/11/73 (186), 06/09/88 (621) 05/11/89 (643), 09/08/94 (798), 04/09/98 (865), 03/11/99 (881), 03/25/04 (1024)

(a) It shall be unlawful for any person to cause or allow the emission of any air contaminant for a period or periods aggregating more than 3 minutes in any 1 hour, which is:

(1) Darker in shade than that designated as No. 1 (20% density) on the Ringelmann Chart, as published by the United States Bureau of Mines;
or

(2) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in Section 9.03(a)(1).

(b) The density or opacity of an air contaminant shall be measured at the point of its emission, except when the point of emission cannot be readily observed, it may be measured at an observable point of the plume nearest the point of emission.

(c) This section shall not apply when the presence of uncombined water is the only reason for the failure of the emission to meet the requirements of this section.

(d) This section shall not apply to solid fuel burning devices, permitted fire training facilities, permitted obscurant usage during military training operations, outdoor fires, motor vehicles when operated on public roads, aircraft, or equipment subject to Section 9.04 of this regulation.

(e) This section shall not apply to equipment with an alternate opacity standard issued under Section 3.03 or Article 6 of this regulation that is based upon a correlation with the particulate concentration and that accurately indicates a violation of the applicable particulate emission standards in Section 9.09 of this regulation.

SECTION 9.04 OPACITY STANDARDS FOR EQUIPMENT WITH CONTINUOUS OPACITY MONITORING SYSTEMS

Adopted 04/09/98 (865) Revised 03/25/04 (1024)

(a) Applicability. This section shall apply to all equipment required to be equipped with a continuous emission monitoring system for opacity.

(b) It shall be unlawful for any person to cause or allow the operation of any of the following equipment unless equipped with a continuous emission monitoring system for opacity:

(1) Cement kilns;

(2) Clinker coolers;

(3) Glass furnaces, rated at greater than 1 ton per hour, that burn fuel;

(4) Fuel burning equipment, rated at 100 million Btu per hour or greater, that burns wood, coal, or residual oil; and

(5) Refuse burning equipment rated at greater than 12 tons per day.

(c) It shall be unlawful for any person to cause or allow the emission of any air contaminant from any equipment subject to this section during any hour that:

(1) Averages greater than 5% opacity; or

(2) Contains any consecutive 6-minute period averaging greater than 20% opacity.

(d) Section 9.04(c)(1) shall not apply to:

(1) Glass furnaces that are tested annually for compliance with the applicable particulate emission standard in Section 9.09 of this regulation; or

(2) Equipment with an alternate opacity standard issued under Section 3.03 or Article 6 of this regulation that is based upon a correlation with the particulate concentration and that accurately indicates a violation of the applicable particulate emission standards in Section 9.09 of this regulation.

(e) This section shall not apply to sources controlled by a venturi scrubber, provided that:

(1) The source is tested annually for compliance with the applicable particulate emission standard in Section 9.09 of this regulation;

(2) The pressure drop across the scrubber is continuously monitored and recorded; and

(3) The scrubbing liquid flow rate and temperature are continuously monitored and recorded.

(f) This section shall not apply to fuel burning equipment that burns residual oil less than 31 days per year, provided that the source implements an alternate opacity monitoring plan issued under Section 3.03 or Article 6 of this regulation.

SECTION 9.05 REFUSE BURNING Adopted 03/13/68 (12)

Revised 06/09/88 (621), 12/09/93 (769)

(a) It shall be unlawful for any person to cause or allow the burning of combustible refuse except in a multiple chamber incinerator provided with control equipment.

(b) It shall be unlawful for any person to cause or allow the operation of refuse burning equipment any time other than daylight hours.

SECTION 9.07 SULFUR DIOXIDE EMISSION STANDARD Adopted 03/13/68 (12)

Revised 07/08/70 (126), 02/21/74 (230), 02/13/86 (597), 06/09/88 (621), 04/14/94 (784)

It shall be unlawful for any person to cause or allow the emission of sulfur dioxide from any source in excess of 1,000 parts per million by volume on a dry basis, 1-hour average (corrected to 7% oxygen for fuel burning equipment and refuse burning equipment).

SECTION 9.08 FUEL OIL STANDARDS Adopted 06/13/85 (579)

Revised 02/13/86 (597), 04/14/94 (784), 03/25/04 (1024)

(a) It shall be unlawful for any person to cause or allow the combustion of oil in fuel burning equipment or refuse burning equipment that exceeds any of the following limits unless that person has obtained an Order of Approval from the Agency in accordance with Article 6 of this regulation:

Ash	0.1% (maximum)
Sulfur	1.0% (maximum for used oil)
Sulfur	2.00% (maximum for fuel oil)
Lead	100 ppm (maximum)
Arsenic	5 ppm (maximum)
Cadmium	2 ppm (maximum)
Chromium	10 ppm (maximum)
Total Halogens	1,000 ppm (maximum)
Polychlorinated Biphenyls (PCBs)	2 ppm (maximum)
Flash Point	100°F (minimum)

(b) It shall be unlawful for any person to sell or make available for sale any oil in excess of the limits of this section to any person who has not obtained an Order of Approval from the Agency in accordance with Article 6 of this regulation. Any person who sells or makes available for sale such oil shall submit a report to the Agency within 15 days of the end of the month that includes the name and address of the recipient, the amount of oil delivered, and the concentration of contaminants therein.

(c) The provisions of this section shall not apply to:

(1) Ocean-going vessels;

(2) Used oil burned in space heaters that have a maximum heat output of not greater than 0.5 million Btu per hour; and

(3) Persons in the business of collecting used oil from residences when under commission.authorization by a city, county, or the utilities and transportation

SECTION 9.09 PARTICULATE MATTER EMISSION STANDARDS

Adopted 03/13/68 (12) Revised 07/08/70 (126), 11/10/71 (135), 10/10/73 (214), 02/13/86 (597), 06/09/88 (621), 05/11/89 (643), 02/10/94 (777), 04/09/98 (865)

It shall be unlawful for any person to cause or allow the emission of particulate matter in excess of the following concentrations:

Refuse Burning Equipment:

1. Rated at 12 tons per day or less without heat recovery and without hydrochloric acid control equipment …… 0.10 gr/dscf @ 7% O_2
2. Rated at 12 tons per day or less without heat recovery and with hydrochloric acid control equipment …… 0.05 gr/dscf @ 7% O_2
3. Rated at 12 tons per day or less with heat recovery …. 0.02 gr/dscf @ 7% O_2
4. Rated at greater than 12 tons per day .....0.01 gr/dscf @ 7% O2

Fuel Burning Equipment:

1. Burning wood .....0.20 gr/dscf @ 7% O_2
2. Burning wood and installed after March 13, 1968 or located within the urbanized area …… 0.10 gr/dscf @ 7% O_2
3. Burning wood, rated at 100 million Btu per hour or greater, and located within the urbanized area …… 0.04 gr/dscf @ 7% O_2
4. Burning wood and installed after March 1, 1986 …….. 0.02 gr/dscf @ 7% O_2
5. Burning fuel other than wood.....0.05 gr/dscf @ 7% O_2
6. Burning coal or other solid fossil fuel and installed after March 1, 1986 …… 0.01 gr/dscf @ 7% O_2

Equipment Used in a Manufacturing Process: .....0.05 gr/dscf

SECTION 9.10 EMISSION OF HYDROCHLORIC ACID Adopted 06/09/88 (621)

(a) It shall be unlawful for any person to cause or allow the emission of hydrochloric acid from any equipment in excess of 100 ppm on a dry basis, 1-hour average corrected to 7% oxygen for combustion sources.

(b) It shall be unlawful for any person to cause or allow the emission of hydrochloric acid from any refuse burning equipment rated at greater than 12 tons per day in excess of 30 ppm on a dry basis, 1-hour average corrected to 7% oxygen.

SECTION 9.11 EMISSION OF AIR CONTAMINANT: DETRIMENT TO PERSON OR PROPERTY Adopted 03/13/68 (12) Revised 06/09/83 (536), 03/11/99 (882)

(a) It shall be unlawful for any person to cause or allow the emission of any air contaminant in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interferes with enjoyment of life and property.

(b) With respect to odor, the Agency may take enforcement action under this section if the Control Officer or a duly authorized representative has documented all of the following:

(1) The detection by the Control Officer or a duly authorized representative of an odor at a level 2 or greater, according to the following odor scale:
level 0 – no odor detected;
level 1 – odor barely detected;
level 2 – odor is distinct and definite, any unpleasant characteristics recognizable;
level 3 – odor is objectionable enough or strong enough to cause attempts at avoidance; and
level 4 – odor is so strong that a person does not want to remain present;

(2) An affidavit from a person making a complaint that demonstrates that they have experienced air contaminant emissions in sufficient quantities and of such characteristics and duration so as to unreasonably interfere with their enjoyment of life and property; and

(3) The source of the odor.

(c) Nothing in this Regulation shall be construed to impair any cause of action or legal remedy of any person, or the public for injury or damages arising from the emission of any air contaminant in such place, manner or concentration as to constitute air pollution or a common law nuisance.

SECTION 9.13 EMISSION OF AIR CONTAMINANT: CONCEALMENT AND MASKING RESTRICTED

Adopted 03/13/68 (12) Revised 06/09/88 (621)

(a) It shall be unlawful for any person to cause or allow the installation or use of any device or use of any means which, without resulting in a reduction in the total amount of air contaminant emitted, conceals an emission of air contaminant which would otherwise violate this article.

(b) It shall be unlawful for any person to cause or allow the installation or use of any device or use of any means designed to mask the emission of an air contaminant which causes detriment to health, safety or welfare of any person.

SECTION 9.15 FUGITIVE DUST CONTROL MEASURES

Adopted 03/13/68 (12) Revised 06/09/83 (536), 06/09/88 (621), 08/10/89 (644), 03/11/99 (882)

(a) It shall be unlawful for any person to cause or allow visible emissions of fugitive dust unless reasonable precautions are employed to minimize the emissions. Reasonable precautions include, but are not limited to, the following:

(1) The use of control equipment, enclosures, and wet (or chemical) suppression techniques, as practical, and curtailment during high winds;

(2) Surfacing roadways and parking areas with asphalt, concrete, or gravel;

(3) Treating temporary, low-traffic areas (e.g., construction sites) with water or chemical stabilizers, reducing vehicle speeds, constructing pavement or rip rap exit aprons, and cleaning vehicle undercarriages before they exit to prevent the track-out of mud or dirt onto paved public roadways;
or

(4) Covering or wetting truck loads or allowing adequate freeboard to prevent the escape of dust-bearing materials.

(b) Compliance with the provisions of this section shall not relieve any person from the responsibility to comply with Section 9.11 of this regulation.

SECTION 9.16 SPRAY-COATING OPERATIONS Adopted 06/13/91 (700)

Revised 07/08/99 (886), 07/12/01 (944)

(a) Applicability. This section applies to spray-coating operations at facilities subject to Article 5 (Registration) or Article 7 (Operating Permits) of this regulation, where a coating that protects or beautifies a surface is applied with spray-coating equipment.

(b) Exemptions. The following activities are exempt from the provisions of Sections 9.16(c) and (d) of this regulation. Persons claiming any of the following spray-coating exemptions shall have the burden of demonstrating compliance with the claimed exemption.

(1) Application of architectural or maintenance coatings to stationary structures (e.g., bridges, water towers, buildings, stationary machinery, or similar structures);

(2) Aerospace coating operations subject to 40 CFR Part 63, Subpart GG. This includes all activities and materials listed in 40 CFR 63.741(f);

(3) Use of high-volume, low-pressure (HVLP) spray guns when:

(A) spray-coating operations do not involve motor vehicles or motor vehicle components;

(B) the gun cup capacity is 8 fluid ounces or less;

(C) the spray gun is used to spray-coat less than 9 square feet per day per facility;

(D) coatings are purchased in containers of 1 quart or less; and

(E) spray-coating is allowed by fire department, fire marshal, or other government agency requirements.

(4) Use of air-brush spray equipment with 0.5 to 2.0 CFM airflow and a maximum cup capacity of 2 fluid ounces;

(5) Use of hand-held aerosol spray cans with a capacity of 1 quart or less; or

(6) Indoor application of automotive undercoating materials using organic solvents having a flash point in excess of 100°F.

(c) General Requirements for Indoor Spray-Coating Operations. It shall be unlawful for any person subject to the provisions of this section to cause or allow spray-coating inside a structure, or spray-coating of any motor vehicles or motor vehicle components, unless the spray-coating is conducted inside an enclosed spray area. The enclosed spray area shall employ either properly seated paint arresters, or water-wash curtains with a continuous water curtain to control the overspray. All emissions from the spray-coating operation shall be vented to the atmosphere through an unobstructed vertical exhaust vent.

(d) General Requirements for Outdoor Spray-Coating Operations. It shall be unlawful for any person subject to the provisions of this section to cause or allow spray-coating outside an enclosed structure unless reasonable precautions are employed to minimize the

overspray. Reasonable precautions include, but are not limited to the use of:

(1) Enclosures and curtailment during high winds; and

(2) High-volume low-pressure (HVLP), low-volume low-pressure (LVLP), electrostatic, or air-assisted airless spray equipment. Airless spray equipment may be used where low viscosity and high solid coatings preclude the use of higher-transfer efficiency spray equipment.

(e) Compliance with Other Regulations. Compliance with this regulation does not exempt any person from compliance with Regulation I, Section 9.11 and all other applicable regulations including those of other agencies.

SECTION 9.20 MAINTENANCE OF EQUIPMENT Adopted 12/09/82 (531)

Revised 06/09/88 (621)

(a) It shall be unlawful for any person to cause or allow the operation of any features, machines or devices constituting parts of or called for by plans, specifications, or other information submitted pursuant to Article 6 of Regulation I unless such features, machines or devices are maintained in good working order.

(b) It shall be unlawful for any person to cause or allow the operation of any equipment as defined in Section 1.07 or control equipment not subject to Section 9.20(a) unless the equipment or control equipment is maintained in good working order.

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APPENDIX C

SAMPLE CHANGE ORDER FORMS;
AGREED AND UNILATERAL

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EVERETT
WASHINGTON

Change Order No._____
Change Order Effective Date:_____

CITY OF EVERETT
Change Order

Project Title _____

Department _____

Work Order No. _____

Contractor: _____

Contract Award Date: _____

City Staff Contact: _____

Change Order No. _____

Change Order Effective Date _____

CONTRACT SUM

	Original Contract Sum	**Total of Previous Change Orders**	**This Change Order**	**Contract Sum After this Change Order**
Amount	$	$	$	$
+ WSST	$	$	$	$
Total	$	$	$	**$**

CONTRACT TIME

Original Contract Time	Working Days ☐ / Calendar Days ☐
Date of Notice to Proceed	
Cumulative adjustment to time by *prior* Change Orders	
Adjustment to time by *this* Change Order	
New Contract Time (i*ncluding* this Change Order)	

Change Order No._____

Change Order Effective Date:_____

Contractor and City agree as follows:

1. **The scope of Work shall be changed to the extent described in Exhibit A.**
2. **The amount of this Change Order for the changes described in Exhibit A, represents complete compensation for the changes described in Exhibit A, including all direct and indirect costs and impacts. The Contract Sum shall be adjusted as described in this Change Order.**
3. **Everett Municipal Code 3.80.050 sets forth the threshold amounts below which the Mayor or his designee is authorized to direct Contractor to perform additional work. In calculating such threshold amounts, Washington State sales tax, as applicable to the Work, has been considered.**
4. **The Contract Time of the Contract shall be adjusted to the extent described in this Change Order.**
5. **Contractor waives and releases any and all claims arising out of, or related to, this Change Order, the work described in Exhibit A, and all work and actual or constructive changes that occurred or began prior to the date of this Change Order, including, but not limited to, claims for equitable adjustment of time and compensation, delay, impact, overhead, or inefficiencies. This provision does not apply to requests for equitable adjustment of time or price for which the Contractor timely and properly provided notice of a differing site condition, protest, dispute, claim or Contract Claim as required by the Contract Documents. If the Contract Documents establish a time period for notice of a differing site condition, protest, dispute, claim, or Contract Claim that ends after the date of this Change Order, but relates to work performed prior to the date of this Change Order, then this provision does not apply if the Contractor timely and properly submits such notice**
6. **This Change Order only changes the contract between Contractor and City to the extent explicitly provided herein.**
7. **Signature(s) on this Change Order may be by pdf, email, fax or other electronic means, in which case such signature(s) will have the same effect as an original ink signature. AdobeSign signatures are fully binding. This Change Order may be signed in counterparts, each of which shall be deemed an original, and all of which, taken together, shall be deemed one and the same document**.

Change Order No._____

Change Order Effective Date:_____

CITY		
_____ Mayor Date: _____	Attest: _____ City Clerk Date: _____	Standard Document Approved as to Form Office of the City Attorney (5.13.22)

Recommended By:			
Construction Manager (if applicable) _____ Date: _____	Project Manager (if applicable) _____ Date: _____	Engineering Manager (if applicable) _____ Date: _____	Department Director _____ Date: _____

CONTRACTOR	
By _____ Officer	Date: _____

Change Order No._____

Change Order Effective Date:_____

Exhibit A—Description of Changed Work

Change Order No._____

Change Order Effective Date:_____

CITY OF EVERETT
Unilateral Change Order

Project Title _____

Department _____

Work Order No. _____

Contractor: _____

Contract Award Date: _____

City Staff Contact: _____

Change Order No. _____

Change Order Effective Date _____

CONTRACT SUM

	Original Contract Sum	**Total of Previous Change Orders**	**This Change Order**	**Contract Sum After this Change Order**
Amount	$	$	$	$
+ WSST	$	$	$	$
Total	$	$	$	**$**

CONTRACT TIME

Original Contract Time	Working Days ☐ / Calendar Days ☐
Date of Notice to Proceed	
Cumulative adjustment to time by *prior* Change Orders	
Adjustment to time by *this* Change Order	
New Contract Time (i*ncluding* this Change Order)	

Change Order No._____

Change Order Effective Date:_____

As allowed by the contract, the City directs the Contractor as follows:

1. **The Scope of Work shall be changed to the extent described in Exhibit A.**

2. **The Contract Sum shall be adjusted as described in this Change Order.**

3. **The duration of the Contract, and contractually scheduled completion date, shall be adjusted to the extent described in this Change Order.**

4. **Unless the Contractor timely and properly follows the procedures in the Contract Documents for seeking further equitable adjustment of time and compensation, including, but not limited to, delays, impacts, inefficiencies, overhead, and direct and indirect costs, and except as otherwise expressly provided herein, the Contractor will be barred from (a) asserting any claim for further adjustment of time and compensation arising out of, or relating to, the charges described in this Change Order or work described in Exhibit A and (b) asserting an equitable adjustment of time or price arising earlier than the date of this Change Order. This provision does not apply to requests for equitable adjustment of time or price for which the Contractor timely and properly provided notice of a differing site condition, protest, dispute, claim or Contract Claim as required by the Contract Documents. If the Contract Documents establish a time period for notice of a differing site condition, protest, dispute, claim, or Contract Claim that ends after the date of this Change Order, but relates to work performed prior to the date of this Change Order, then this provision does not apply if the Contractor timely and properly submits such notice.**

5. **This Change Order only changes the contract between Contractor and City to the extent explicitly provided herein.**

Change Order No._____

Change Order Effective Date:_____

CITY		
_____ Mayor Date: _____	Attest: _____ City Clerk Date: _____	Standard Document Approved as to Form Office of the City Attorney (5.13.22)

Recommended By:			
Construction Manager (if applicable) _____ Date: _____	Project Manager (if applicable) _____ Date: _____	Engineering Manager (if applicable) _____ Date: _____	Department Director _____ Date: _____

Change Order No._____

Change Order Effective Date:_____

Exhibit A—Description of Changed Work

APPENDIX D

STANDARD DRAWINGS

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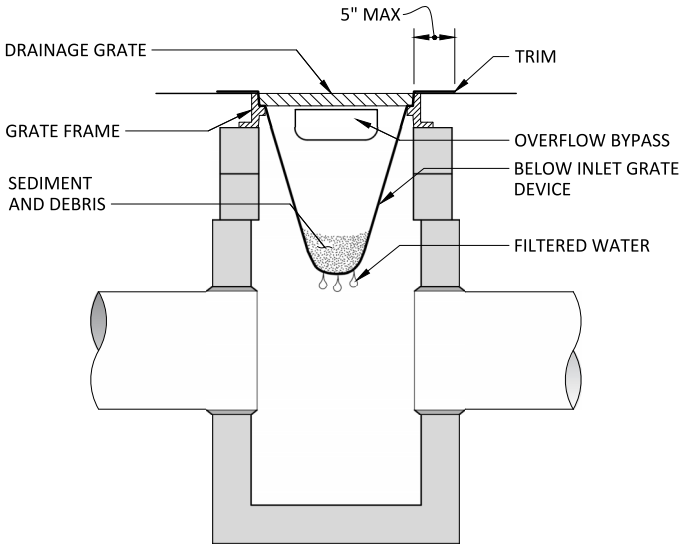
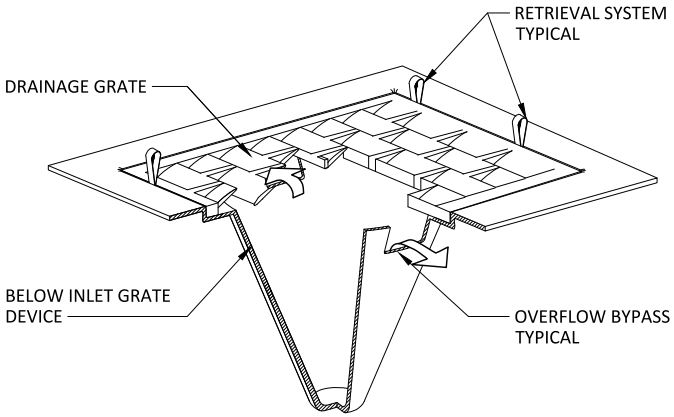


SECTION VIEW



ISOMETRIC VIEW

NOTES

1. CATCH BASIN INSERTS SHALL BE REMOVED AT THE END OF THE PROJECT.
2. CATCH BASIN INSERTS ARE ONLY TO BE INSTALLED IN DRAINAGE DEVICES PER THE MANUFACTURES'S RECOMMENDATIONS. CATCH BASIN INLET INSERTS SHALL BE INSTALLED IN CURB INLETS.
3. CATCH BASIN INSERTS SHALL BE INSTALLED PRIOR TO CLEARING AND GRADING ACTIVITY, OR UPON PLACEMENT OF A NEW CATCH BASIN.
4. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES ONE THIRD FULL OR IN ACCORDANCE WITH THE MANUFACTURES' INSTRUCTIONS.
5. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INLET INSERTS, EMPTYING, AND RE-INSTALLING IT INTO THE CATCH BASIN. DO NOT WASH SEDIMENT INTO STORM DRAINS WHILE CLEANING.
6. SIZE THE BELOW INLET GRATE DEVICE (BIGD) FOR THE STORM WATER STRUCTURE IT WILL SERVICE.
7. THE BIGD SHALL HAVE A BUILT-IN HIGH-FLOW RELIEF SYSTEM (OVERFLOW BYPASS).
8. THE RETRIEVAL SYSTEM MUST ALLOW REMOVAL OF THE BIGD WITHOUT SPILLING THE COLLECTED MATERIAL.
9. PERFORM MAINTENANCE IN ACCORDANCE WITH STANDARD SPECIFICATION 8-01.3(15).

WSDOT STD PLAN I-40.20-00 ACCEPTABLE SUBSTITUTE IF MAINTENANCE MEETS NOTES 1-5

EVERETT WASHINGTON **PUBLIC WORKS DEPARTMENT**

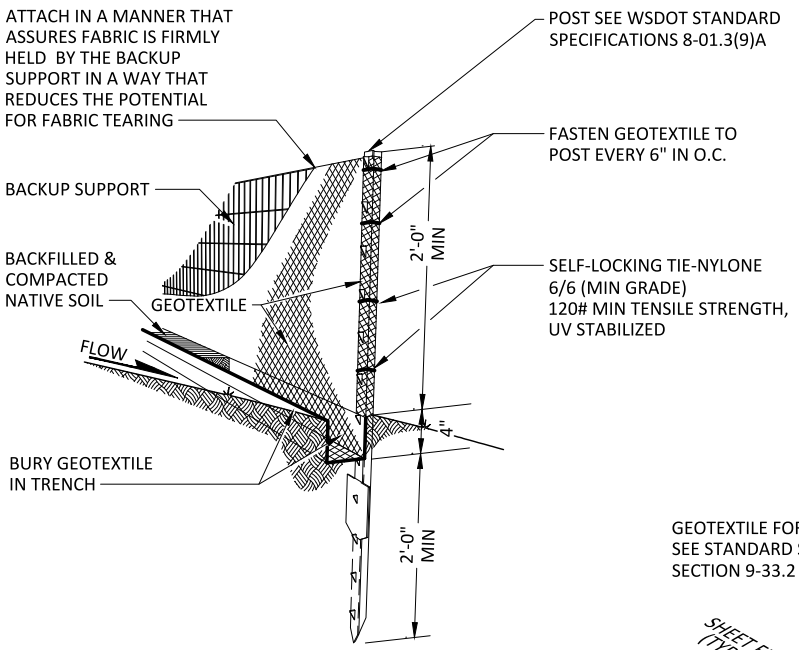
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	12/30/2016

TITLE

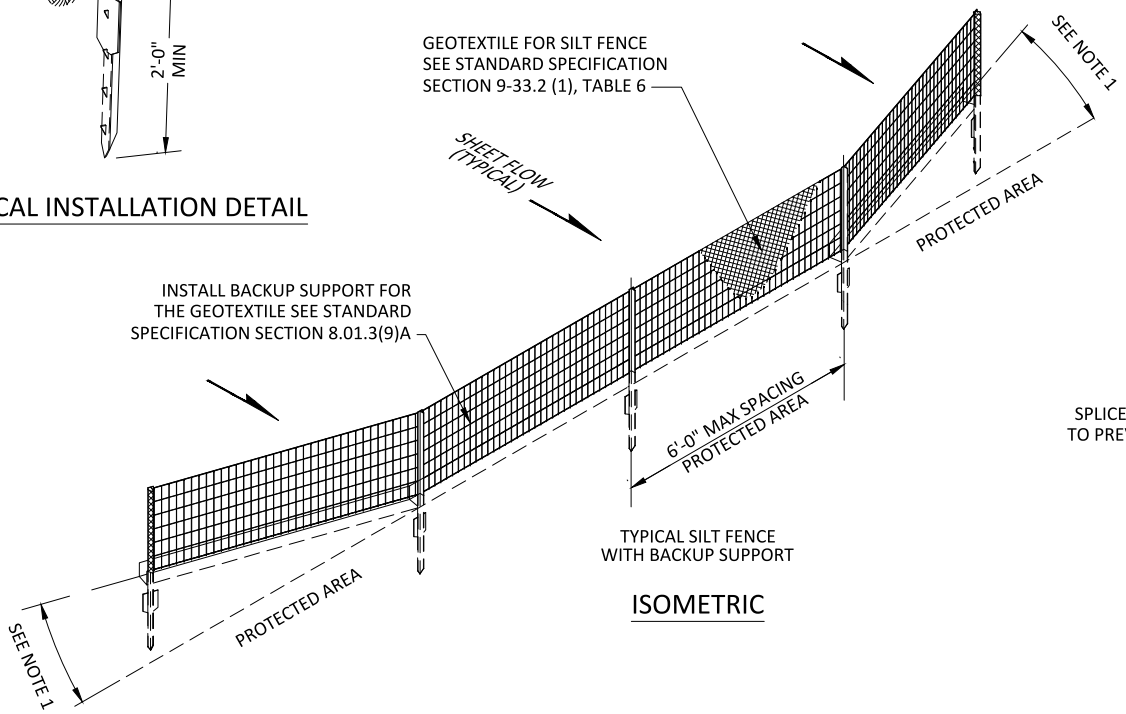
STORM DRAIN INLET PROTECTION

STANDARD DRAWING No.

210



TYPICAL INSTALLATION DETAIL

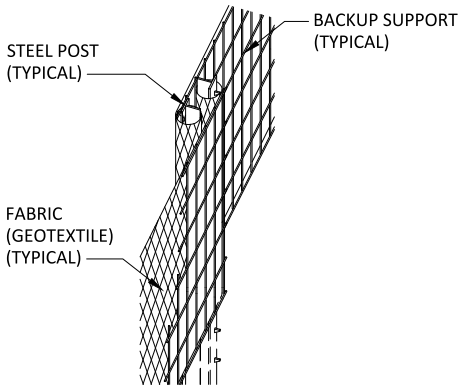


TYPICAL SILT FENCE WITH BACKUP SUPPORT

ISOMETRIC

NOTES

1. INSTALL THE ENDS OF THE SILT FENCE TO POINT SLIGHTLY UPSLOPE TO PREVENT SEDIMENT FROM FLOWING AROUND THE ENDS OF THE FENCE.
2. PERFORM MAINTENANCE IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATIONS 8-01.3(9)A AND 8-01.3(15).
3. SPLICES SHALL NEVER BE PLACED IN LOW SPOTS OR SUMP LOCATIONS. IF SPLICES ARE LOCATED IN LOW OR SUMP AREAS, THE FENCE MAY NEED TO BE REINSTALLED UNLESS OTHERWISE APPROVED.
4. INSTALL SILT FENCING PARALLEL TO MAPPED CONTOUR LINES.
5. DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.



SPLICED FENCE SECTIONS SHALL BE CLOSE ENOUGH TOGETHER TO PREVENT SILT LADEN WATER FROM ESCAPING THROUGH THE FENCE AT THE OVERLAP.

SPLICE DETAIL

WSDOT STD PLAN I-30.10-02 ACCEPTABLE SUBSTITUTE EXCEPT STEEL POST REQUIRED

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	03/17/2017

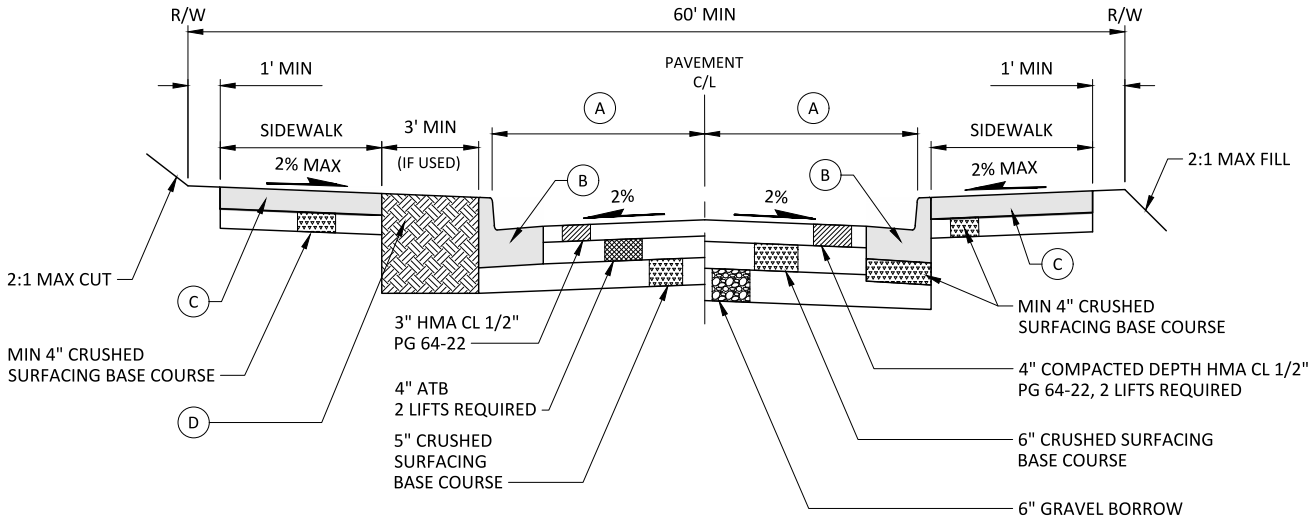
TITLE

TEMPORARY SILT FENCE

STANDARD DRAWING No.

214

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD214.DWG
PLOTTED: 11/21/2022 10:40 AM



NOTES

1. ALL MATERIAL DEPTHS ARE COMPACTED DEPTHS.
2. IN WIDENING AREAS, THE EXISTING PAVEMENT EDGE SHALL BE SAW-CUT TO LEAVE A JOIN POINT. ANY TRAFFIC STRIPING REMOVED OR DAMAGED DURING WIDENING WORK SHALL BE REPLACED IN KIND OR AS DIRECTED BY THE CITY ENGINEER.
3. COMPACTION TESTS ON SUBGRADE AND TOP OF ROCK WILL BE REQUIRED. THE NUMBER OF TESTS SHALL BE AT THE DISCRETION OF THE CITY INSPECTOR. ALL TESTING SHALL BE THROUGH A LICENSED TESTING LABORATORY. THE MINIMUM COMPACTION SHALL BE 95% OF MAXIMUM DENSITY ON BOTH SUBGRADE AND TOP OF ROCK.
4. ADJUSTMENT OF CATCH BASIN LIDS OR GRATES, MONUMENTS CASES, VALVE BOXES, ETC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER.
5. ROADWAY SECTION MAY BE PROPOSED WITH SUBMISSION OF SUBSTANTIATING ENGINEERING DATA, CALIFORNIA BEARING RATIO(CBR), ETC. TO SUPPORT THE ADJUSTMENT. THE PROPOSAL MUST BE APPROVED BY THE CITY ENGINEER. FOR DESIGN PURPOSES, THE MINIMUM THICKNESS OF HMA CL 1/2", PG 64-22 SHALL BE 3" COMPACTED DEPTH. COMPACTION SHALL BE AN AVERAGE OF 91% OF RICE DENSITY.

ALTERNATE ROADWAY SECTION

(A) PAVEMENT WIDTH

COLLECTOR ARTERIAL = 18'
MINOR ARTERIAL = 22'
PRINCIPAL ARTERIAL = 24'+

STANDARD ROADWAY SECTION

(B) CONCRETE CURB AND GUTTER TYPE A-1
SEE STANDARD DRAWING 307

(C) CEMENT CONCRETE SIDEWALK
SEE STANDARD DRAWING 312

(D) AMENDED SOIL: 60% BACKFILL PER SAND DRAINS (WSDOT STD 9-03.13). 40% COMPOST.

- pH RANGE 5.5 - 7.0
- <5% PASSING #200 SIEVE
- 8-12% ORGANIC MATTER
- 2 INCH/HR MIN LONG TERM HYDRAULIC CONDUCTIVITY PER ASTM D 2434 AT 85% COMPACTION
- COMPOST SHALL BE FROM A DEPARTMENT OF ECOLOGY PERMITTED COMPOSTING FACILITY.

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	TOM HOOD	PAUL WILHELM	WRB	01/10/2022

TITLE
ARTERIAL TYPICAL ROADWAY SECTION

STANDARD DRAWING No.
301

Filename
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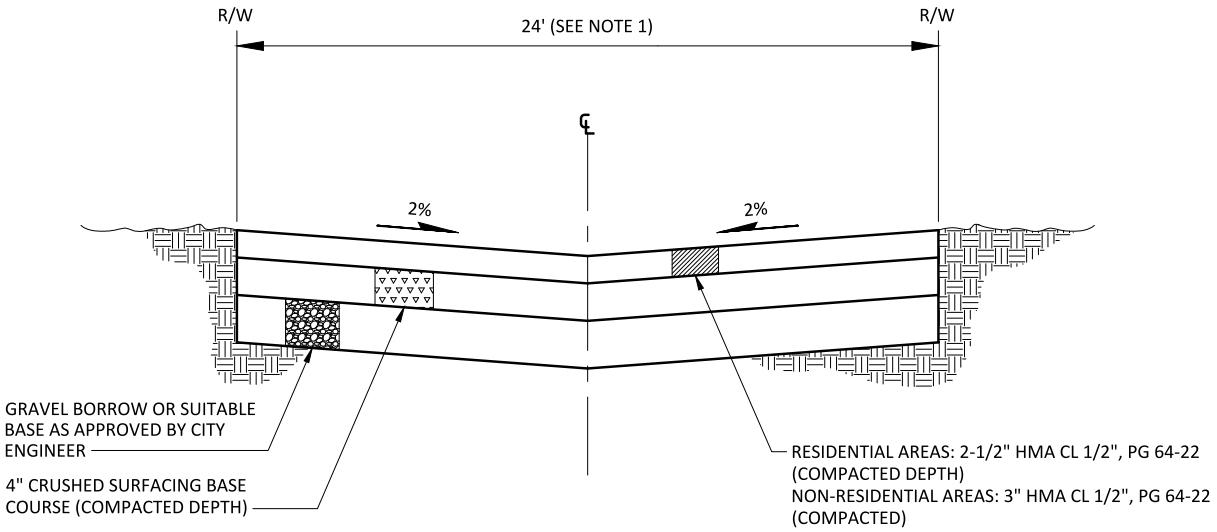
11/21/2022 10:40 AM



NOTES

1. ALL NEW ALLEYS SHALL HAVE A MINIMUM WIDTH OF 24'. EXISTING ALLEY RIGHTS-OF-WAY MAY VARY FROM 12' TO 24'.
2. DRAINAGE TO BE COLLECTED AT LOW END OF IMPROVED SECTION WITH CATCH BASIN CONNECTED TO STORM DRAINAGE SYSTEM.
3. COMPACTION TESTS ON SUBGRADE AND TOP OF ROCK WILL BE REQUIRED. THE NUMBER OF TESTS SHALL BE AT THE DISCRETION OF THE CITY ENGINEER. ALL TESTING SHALL BE THROUGH A LICENSED TESTING LABORATORY. THE MINIMUM COMPACTION SHALL BE 95% OF MAXIMUM DENSITY FOR BOTH SUBGRADE AND TOP OF ROCK.
4. ADJUSTMENT OF CATCH BASIN LIDS OR GRATES, MONUMENT CASES, VALVE BOXES, ETC SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR DEVELOPER AS REQUIRED.

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD305.DWG
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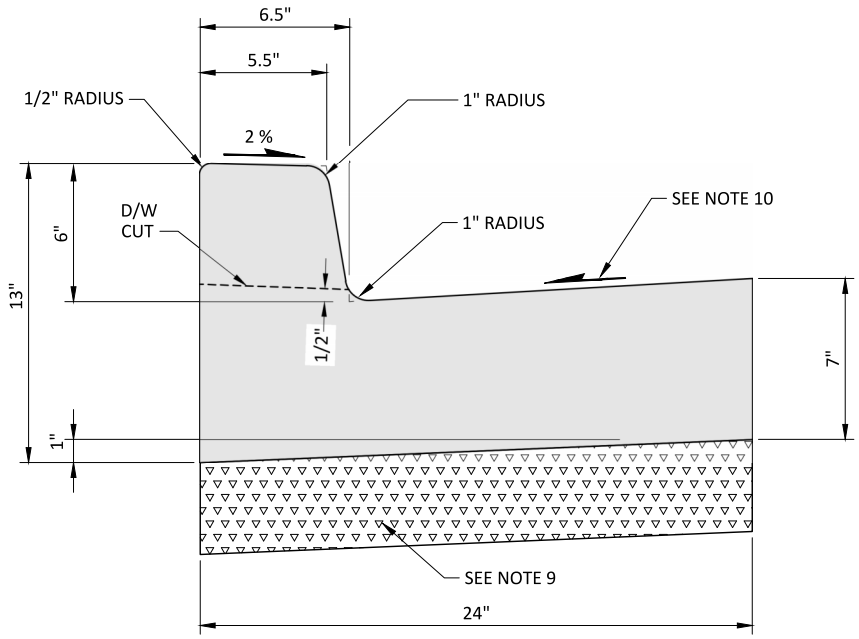
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	TOM HOOD	PAUL WILHELM	WRB	01/10/2022

TITLE
TYPICAL ROADWAY ALLEY SECTION

STANDARD DRAWING No.
305



TYPICAL SECTION

NOTES

1. FORMS SHALL BE TRUE TO LINE AND GRADE AND SECURELY STAKED.
2. HALF DEPTH, 3/8" x 1-1/2", EXPANSION JOINTS SHALL BE PLACED ON 15-FOOT CENTERS.
3. FULL DEPTH EXPANSION JOINTS SHALL BE PLACED ADJACENT TO CATCH BASINS, INLETS AND AT POINTS OF TANGENCY ON STREETS, ALLEY AND DRIVEWAY RETURNS. MAXIMUM SPACING SHALL BE 30 FEET. PRE-MOLDED JOINT FILLER SHALL BE 3/8" WIDE.
4. ALL JOINTS SHALL BE CLEAN AND EDGED.
5. CONCRETE SHALL BE COMMERCIAL MIX AS CALLED OUT IN WSDOT STANDARD SPECIFICATIONS.
6. STEEL FORMS MUST BE USED ON TANGENT SECTIONS. WOOD FORMS MAY BE USED ON CURVED SECTIONS.
7. FINISH SHALL BE LIGHT BROOM FINISH.
8. THE FINISHED CURB SHALL BE SPRAYED WITH A TRANSPARENT CURING COMPOUND AND COVERED BY WATERPROOF PAPER OR PLASTIC MEMBRANE IN THE EVENT OF RAIN OR OTHER UNSUITABLE WEATHER. CURING TIME SHALL BE A MINIMUM OF 72 HOURS.
9. ALL CURB AND GUTTER SHALL BE PLACED ON A MIN OF 4" OF CRUSHED SURFACING BASE COURSE.
10. MATCH ROADWAY CROSS SLOPE EXCEPT AT ADA RAMPS WHERE THE MAXIMUM SLOPE SHALL BE 2%.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	DAN ENRICO	PAUL WILHELM	WRB	05/06/2022

TITLE

TYPE A-1
CEMENT CONCRETE CURB & GUTTER

STANDARD DRAWING No.

307

Filename
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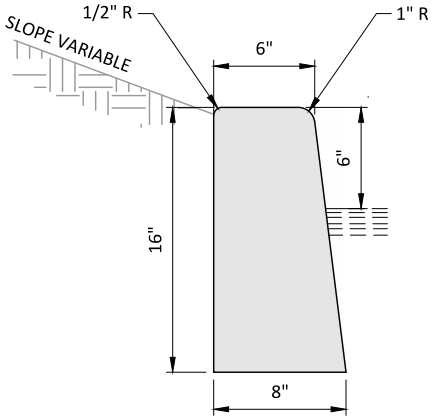
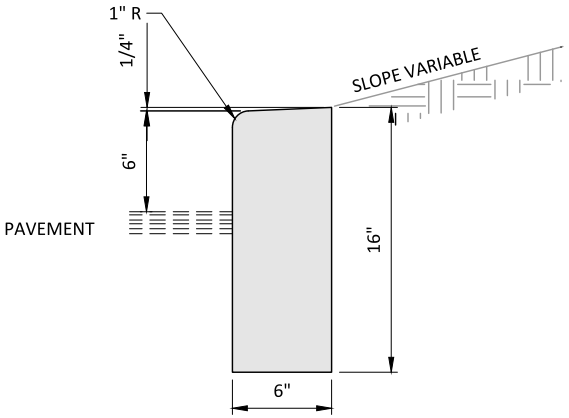
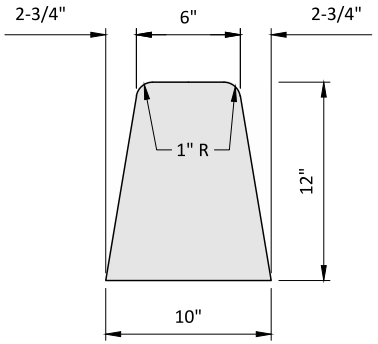


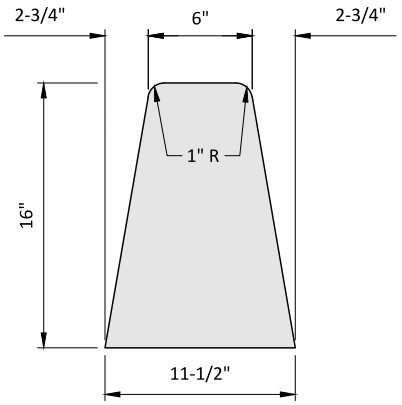
TYPE E-1 CURB



TYPE E-2 CURB



TYPE E-3 CURB



TYPE E-4 CURB

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	WRB	04/26/2017

TITLE

TYPES E-1, E-2, E-3 & E-4
CEMENT CONCRETE CURB & GUTTER

STANDARD DRAWING No.

309

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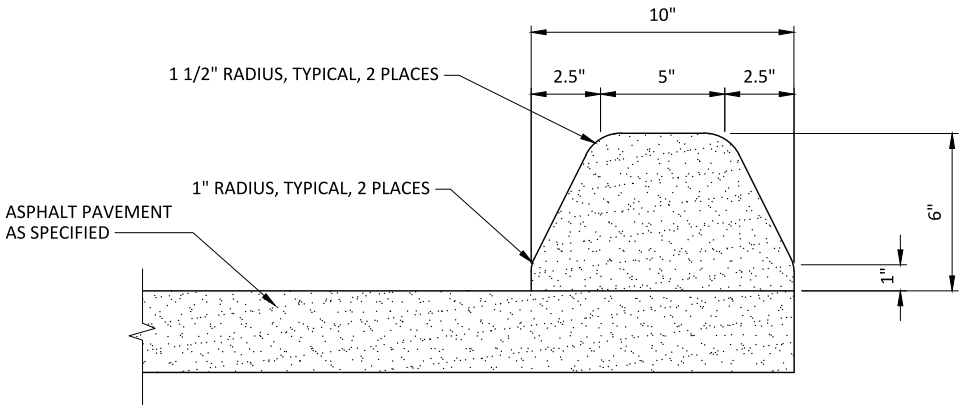
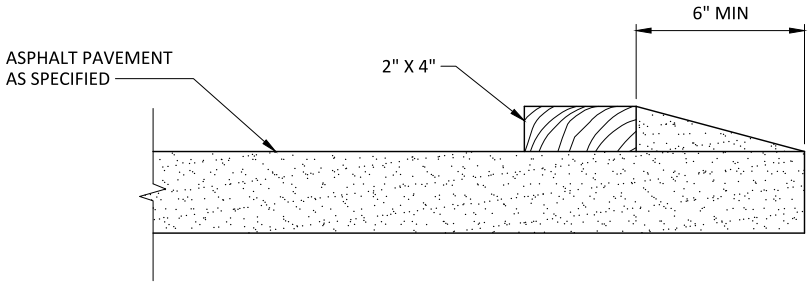


EXTRUDED ASPHALT CONCRETE CURB SECTION



ASPHALT WEDGE CURB SECTION

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	WRB	04/26/2017

TITLE

EXTRUDED ASPHALT CONCRETE CURB

STANDARD DRAWING No.

310

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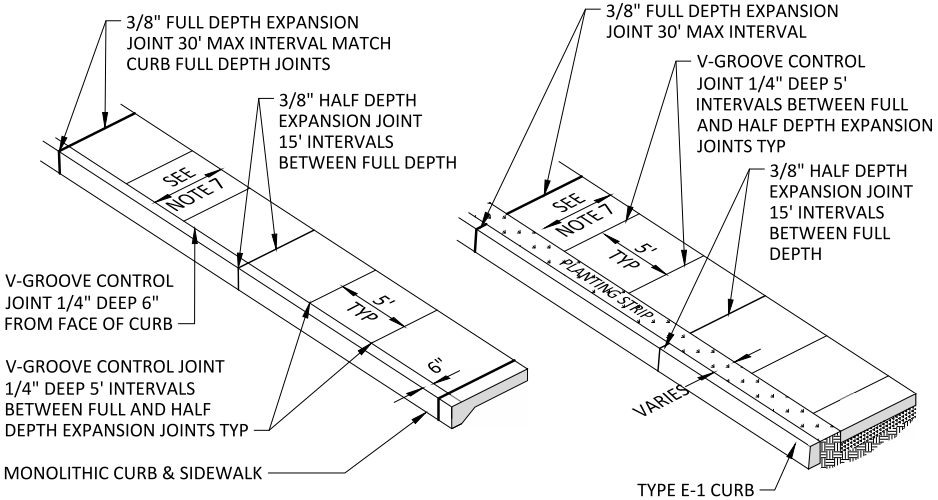
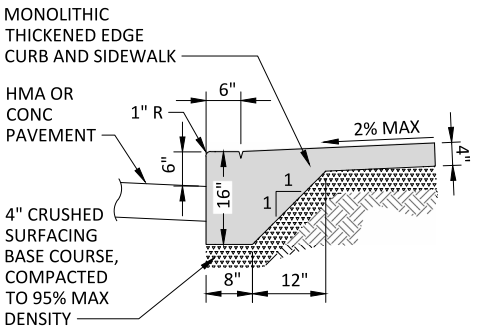
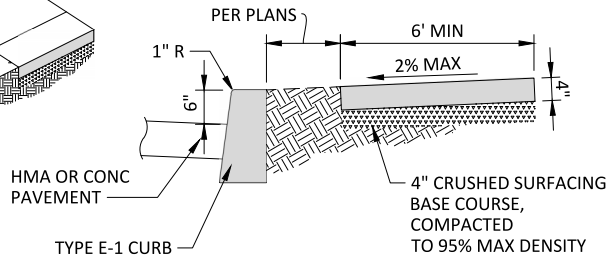


TYPE E-1 CURB & SIDEWALK



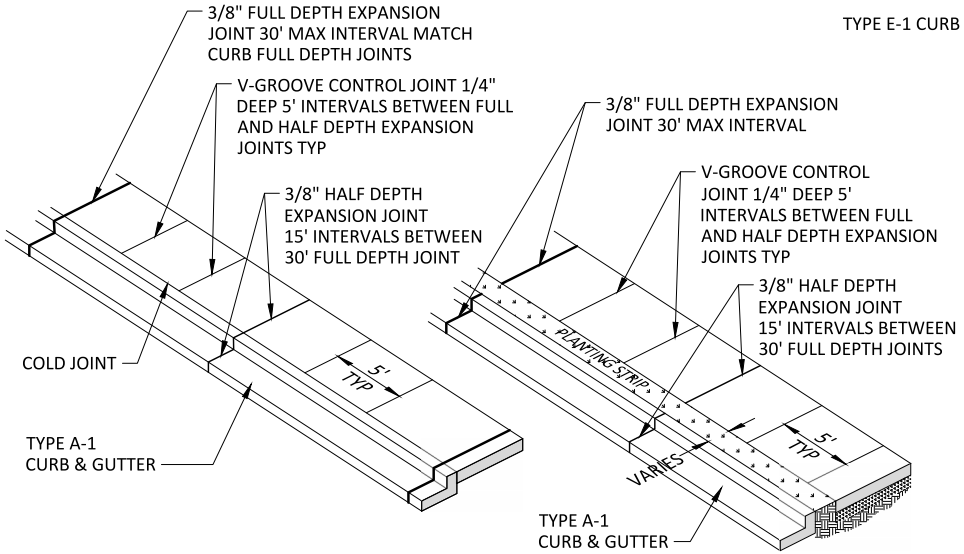
MONOLITHIC CURB & SIDEWALK SECTION



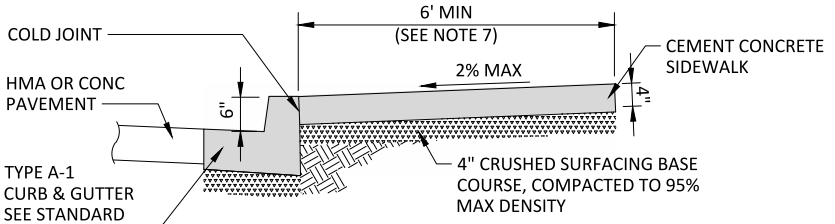
TYPE E-1 CURB, PLANTER STRIP & SIDEWALK SECTION

NOTES

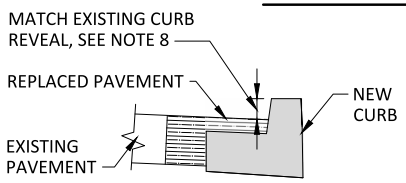
1. SIDEWALKS SHALL BE A MINIMUM OF 4" THICK, AND SHALL BE COMMERCIAL MIX CONCRETE PER WSDOT STANDARD SPECS, WITH AIR ENTRAINMENT (MIN 4.5 %, MAX 6.5 %).
2. SIDEWALK FULL DEPTH EXPANSION JOINTS SHALL GENERALLY BE PLACED TO MATCH THOSE IN ADJACENT CURB & GUTTER (WITHOUT PLANTER STRIP). MAXIMUM SPACING OF 30 FEET, FINAL SPACING DETERMINATION SHALL BE DECIDED BY THE INSPECTOR IN THE FIELD.
3. SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95% OF MAXIMUM DENSITY.
4. SIDEWALK SHALL BE AT LEAST 6" THICK IN DRIVEWAYS AND BEHIND ROLL-CURB (STANDARD DRAWING 308).
5. THE FINISHED SIDEWALK SHALL BE SPRAYED WITH A TRANSPARENT CURING COMPOUND COVERED BY WATERPROOF PAPER OR PLASTIC SHEETING IN THE EVENT OF RAIN OR OTHER INCLEMENT WEATHER. CURING TIME SHALL BE FOR A MINIMUM OF 72 HOURS.
6. ALL JOINTS SHALL BE CLEANED AND EDGED WITH AN EDGER HAVING A 3/8" RADIUS AFTER FINAL BROOM FINISH IS COMPLETED.
7. SIDEWALKS ARE 6' MIN WIDE OR AS APPROVED BY THE CITY ENGINEER.
8. FOR REPLACEMENT PROJECTS, CURB REVEAL SHALL MATCH EXISTING REVEAL, WHICH MAY BE LESS THAN THE STANDARD 6". NEW CURB SHALL MATCH DIMENSIONS AS SHOWN IN STANDARD DRAWINGS 307-309.



TYPE A-1 CURB & SIDEWALK



TYPE A-1 CURB & SIDEWALK SECTION



REPLACEMENT CURB DETAIL

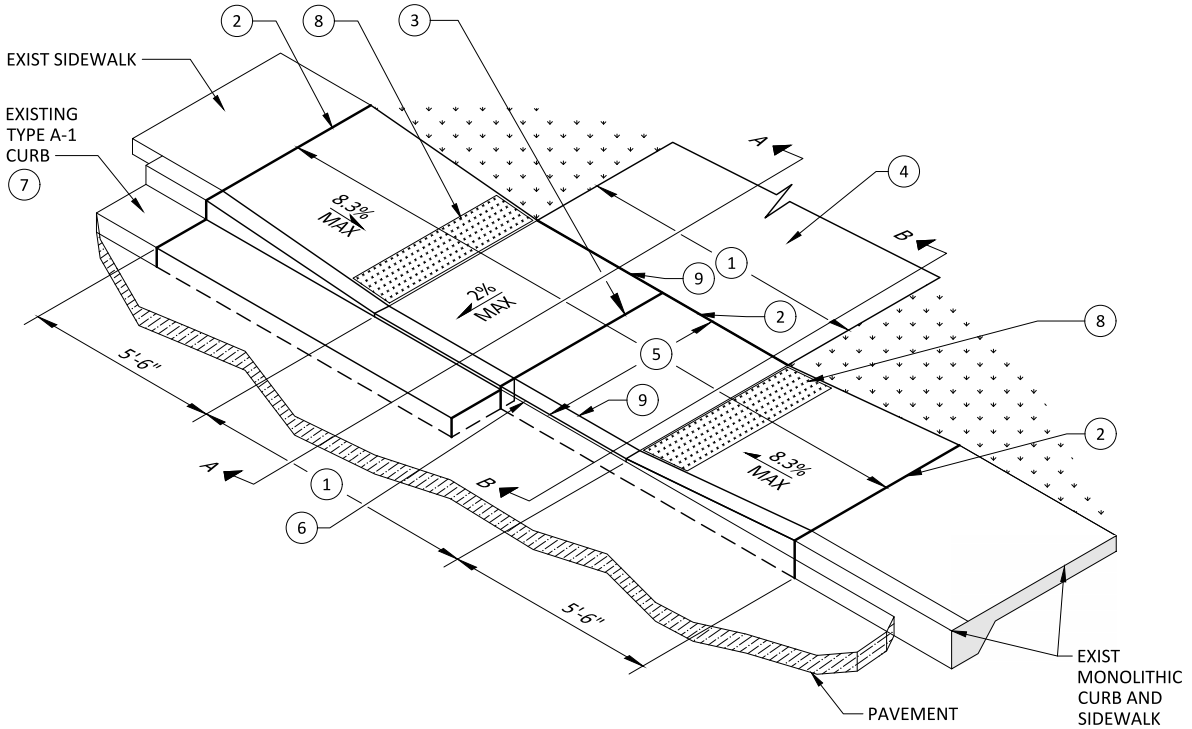
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	TOM HOOD	PAUL WILHELM	WRB	1/10/2022

TITLE
CEMENT CONCRETE CURB & SIDEWALK DETAILS

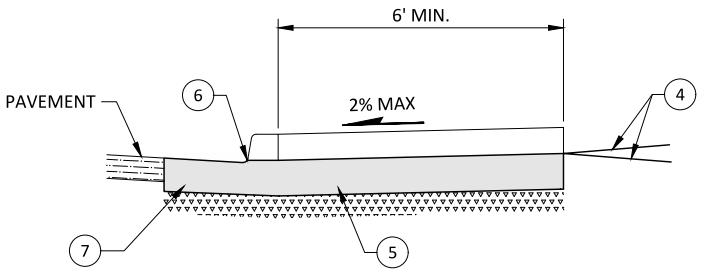
STANDARD DRAWING No.
312

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD312.DWG

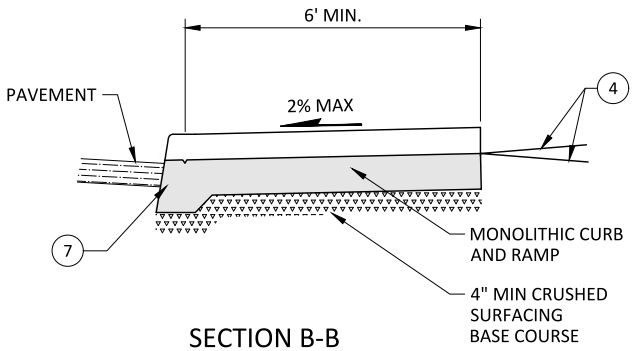


NOTES

1. EQUALS WIDTH OF DRIVEWAY AT PROPERTY LINE.
2. 3/8" WIDE FULL DEPTH EXPANSION JOINT.
3. 3/8" WIDE FULL DEPTH EXPANSION JOINT IF NOTE 1 ABOVE IS 15' OR GREATER.
4. WITHIN THE CITY RIGHT-OF-WAY THE DRIVEWAY SHALL BE SURFACED WITH ASPHALT OR CONCRETE.
5. THE DRIVEWAY RAMP INCLUDING WING RAMPS SHALL BE CONCRETE COMMERCIAL MIX AS CALLED OUT IN WSDOT STANDARD SPECIFICATIONS, A MIN OF 6" THICK AND PLACED ON A MINIMUM OF 4" CRUSHED SURFACING BASE COURSE COMPACTED TO 95% MAXIMUM DENSITY.
6. MAINTAIN 1/2" LIP AT GUTTER.
7. FOR CURB DETAILS, SEE STANDARD DRAWINGS 307-309
8. DETECTABLE WARNING PATTERN AREA.
   - REQUIRED FOR COMMERCIAL DRIVEWAYS WITH YIELD OR STOP CONTROL.
   - NOT REQUIRED FOR RESIDENTIAL DRIVEWAYS.
   - SURFACE SHALL BE YELLOW IN COMPLIANCE WITH WSDOT/APWA STANDARD SPEC SECTION 8-14.3(3).
9. ALL JOINTS SHALL BE CLEANED AND EDGED WITH AN EDGER HAVING A 3/8" RADIUS AFTER FINAL BROOM FINISH IS COMPLETED.



SECTION A-A
TYPE A-1 CURB OPTION



SECTION B-B
MONOLITHIC CURB OPTION

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	TOM HOOD	PAUL WILHELM	WRB	01/10/2022

TITLE
CEMENT CONCRETE DRIVEWAY RAMP TYPE - 1

STANDARD DRAWING No.
315

Filename
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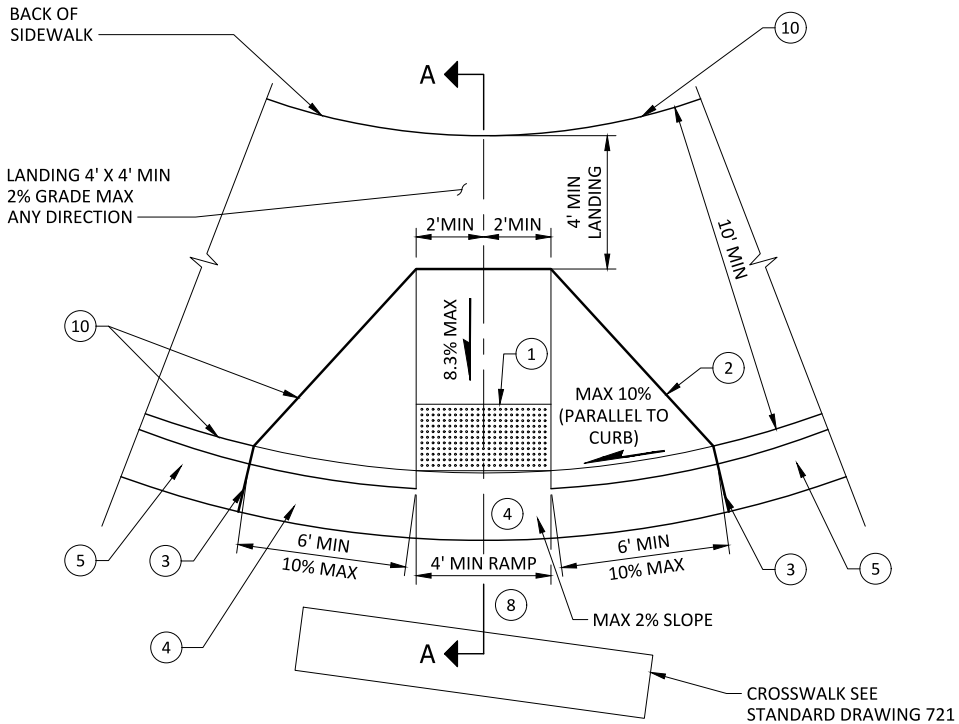
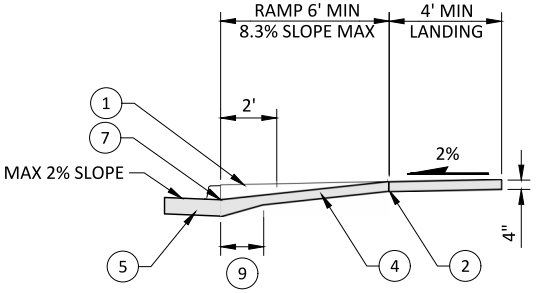
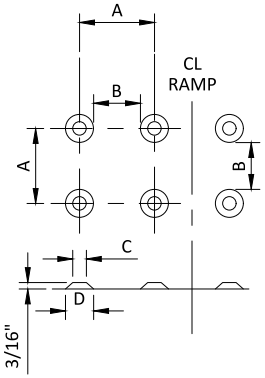


PLAN



SECTION A-A

	MIN	MAX
A	1-5/8"	2-3/8"
B	5/8"	1-1/2"
C	7/16"	3/4"
D	7/8"	1-7/16"



DETECTABLE WARNING PATTERN

(#) NOTES

1. DETECTABLE WARNING PATTERN AREA SHALL BE YELLOW IN COMPLIANCE WITH WSDOT/APWA STANDARD SPECIFICATION SECTION 8-14.3(3).
2. CURB RAMPS SHALL BE ISOLATED FROM ADJACENT SIDEWALK BY A 3/8" FULL DEPTH EXPANSION JOINT.
3. GUTTER SECTION AT CURB RAMP SHALL BE ISOLATED FROM ADJACENT GUTTER SECTIONS BY A 3/8" FULL DEPTH EXPANSION JOINT.
4. CURB RAMP AND GUTTER SECTION AT CURB RAMP MAY BE POURED MONOLITHICALLY.
5. TYPE A-1 CURB AND GUTTER PER CITY STANDARD DRAWING 307.
6. FOR RETROFIT INSTALLATION SAWCUT AND REMOVE EXISTING SIDEWALK, CURB AND GUTTER SECTION ALONG NEW EXPANSION JOINT LOCATION. SAWCUT EXISTING PAVEMENT AS REQUIRED FOR FORMING OF NEW CURB AND GUTTER. PATCH PAVEMENT AS REQUIRED.
7. FLUSH WITH GUTTER (NO LIP PERMITTED)
8. A MIN OF 4' CLEAR SPACE, WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE, SHALL BE PROVIDED WITHIN THE WIDTH OF THE CROSSWALK OR PEDESTRIAN STREET CROSSING SERVED BY THE RAMP.
9. THICKEN EDGE TO FULL DEPTH OF ADJACENT CURB SECTION.
10. ALL JOINTS SHALL BE CLEANED AND EDGED WITH AN EDGER HAVING A 3/8" RADIUS AFTER FINAL BROOM FINISH IS COMPLETED.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	DAN ENRICO	PAUL WILHELM	WRB	05/06/2022

TITLE

TYPE B CURB RAMP

STANDARD DRAWING No.

319

Filename
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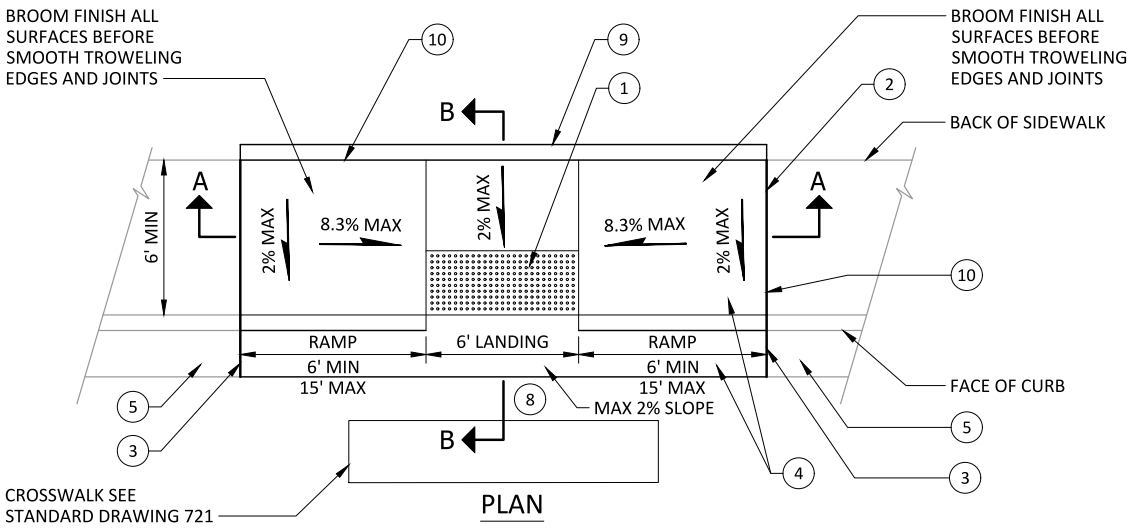
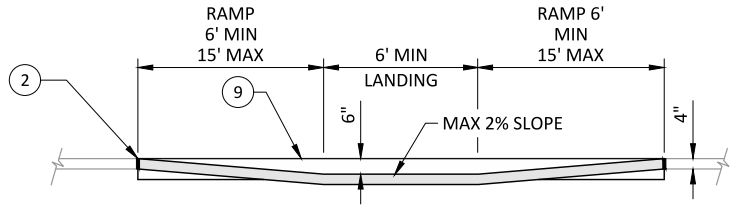
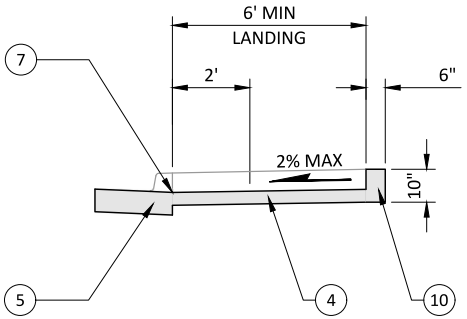
11/21/2022 10:41 AM



PLAN

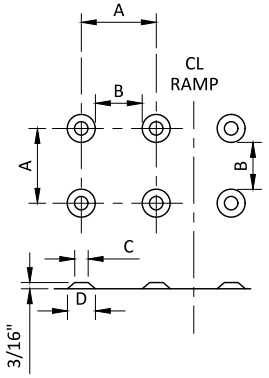


SECTION A-A



SECTION B-B

	MIN	MAX
A	1-5/8"	2-3/8"
B	5/8"	1-1/2"
C	7/16"	3/4"
D	7/8"	1-7/16"



DETECTABLE WARNING PATTERN

(#) NOTES

1. DETECTABLE WARNING PATTERN AREA SHALL BE YELLOW IN COMPLIANCE WITH WSDOT/APWA STANDARD SPECIFICATION SECTION 8-14.3(3).
2. CURB RAMPS SHALL BE ISOLATED FROM ADJACENT SIDEWALK BY A 3/8" FULL DEPTH EXPANSION JOINT.
3. GUTTER SECTION AT CURB RAMP SHALL BE ISOLATED FROM ADJACENT GUTTER SECTIONS BY A 3/8" FULL DEPTH EXPANSION JOINT.
4. CURB RAMP AND GUTTER SECTION AT CURB RAMP MAY BE POURED MONOLITHICALLY.
5. TYPE A-1 INTEGRAL CURB AND GUTTER PER CITY STANDARD DRAWING 307.
6. FOR RETROFIT INSTALLATION SAWCUT AND REMOVE EXISTING SIDEWALK, CURB AND GUTTER SECTION ALONG NEW EXPANSION JOINT LOCATION. SAWCUT EXISTING PAVEMENT AS REQUIRED FOR FORMING OF NEW CURB AND GUTTER. PATCH PAVEMENT AS REQUIRED.
7. FLUSH WITH GUTTER (NO LIP PERMITTED)
8. A MIN OF 4' CLEAR SPACE, WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE, SHALL BE PROVIDED WITHIN THE WIDTH OF THE CROSSWALK OR PEDESTRIAN STREET CROSSING SERVED BY THE RAMP.
9. 6"W X 10"H POURED IN PLACE CONCRETE CURB INTEGRAL WITH RAMP.
10. ALL JOINTS SHALL BE CLEANED AND EDGED WITH AN EDGER HAVING A 3/8" RADIUS AFTER FINAL BROOM FINISH IS COMPLETED.

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	DAN ENRICO	PAUL WILHELM	WRB	05/06/2022

TITLE

TYPE C CURB RAMP

STANDARD DRAWING No.

320

Filename
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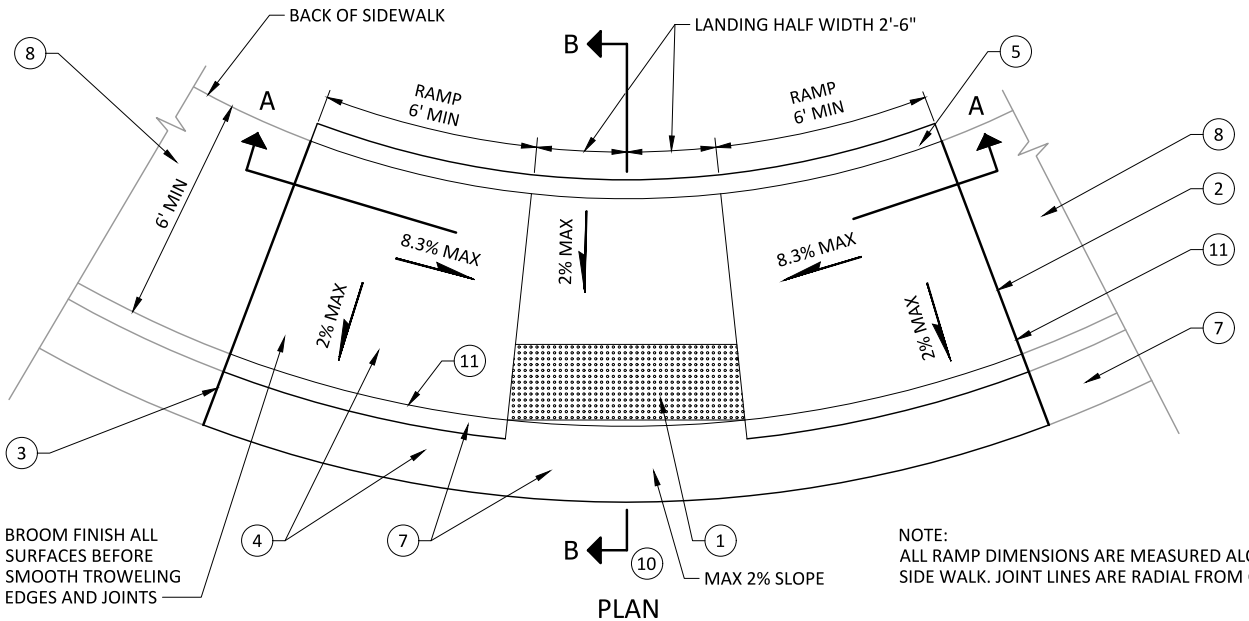
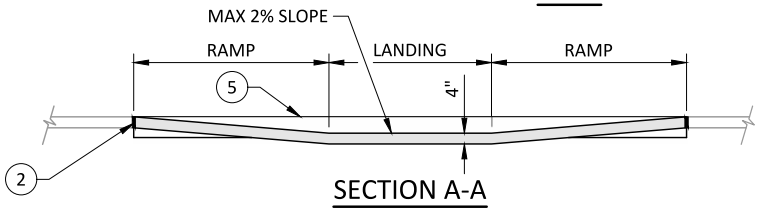
11/21/2022 10:41 AM

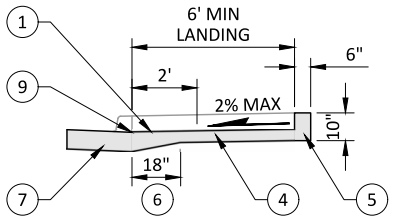


PLAN

NOTE:
ALL RAMP DIMENSIONS ARE MEASURED ALONG BACK OF SIDE WALK. JOINT LINES ARE RADIAL FROM CENTER.

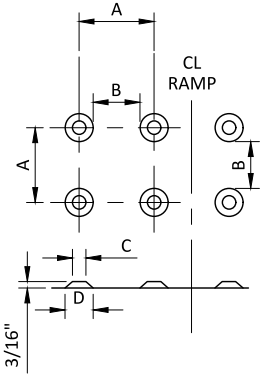


SECTION A-A



SECTION B-B

	MIN	MAX
A	1-5/8"	2-3/8"
B	5/8"	1-1/2"
C	7/16"	3/4"
D	7/8"	1-7/16"



DETECTABLE WARNING PATTERN

NOTES

1. DETECTABLE WARNING PATTERN AREA SHALL BE YELLOW IN COMPLIANCE WITH WSDOT/APWA STANDARD SPECIFICATION SECTION 8-14.3(3).
2. CURB RAMPS SHALL BE ISOLATED FROM ADJACENT SIDEWALK BY A 3/8" FULL DEPTH EXPANSION JOINT.
3. GUTTER SECTION AT CURB RAMP SHALL BE ISOLATED FROM ADJACENT GUTTER SECTIONS BY A 3/8" FULL DEPTH EXPANSION JOINT.
4. CURB RAMP AND GUTTER SECTION AT CURB RAMP MAY BE POURED MONOLITHICALLY.
5. 6"W X 10"H X 17'/18'L POURED IN PLACE CONCRETE CURB INTEGRAL WITH RAMP.
6. THICKEN EDGE TO FULL DEPTH OF ADJACENT CURB SECTION.
7. TYPE A-1 CURB AND GUTTER PER CITY STANDARD DRAWING 307.
8. FOR RETROFIT INSTALLATION SAWCUT AND REMOVE EXISTING SIDEWALK TO FIRST EXISTING JOINT EITHER SIDE OF NEW RAMP. SAWCUT AND REMOVE EXISTING CURB AND GUTTER SECTION AS REQUIRED. SAWCUT EXISTING PAVEMENT AS REQUIRED FOR FORMING OF NEW CURB AND GUTTER. PATCH PAVEMENT AS REQUIRED.
9. FLUSH WITH GUTTER (NO LIP PERMITTED).
10. A MIN OF 4' CLEAR SPACE, WHOLLY OUTSIDE THE PARALLEL VEHICLE TRAVEL LANE, SHALL BE PROVIDED WITHIN THE WIDTH OF THE CROSSWALK OR PEDESTRIAN STREET CROSSING SERVED BY THE RAMP.
11. ALL JOINTS SHALL BE CLEANED AND EDGED WITH AN EDGER HAVING A 3/8" RADIUS AFTER FINAL BROOM FINISH IS COMPLETED.

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	DAN ENRICO	PAUL WILHELM	WRB	12/05/2022

TITLE: TYPE D CURB RAMP

STANDARD DRAWING No.: 321

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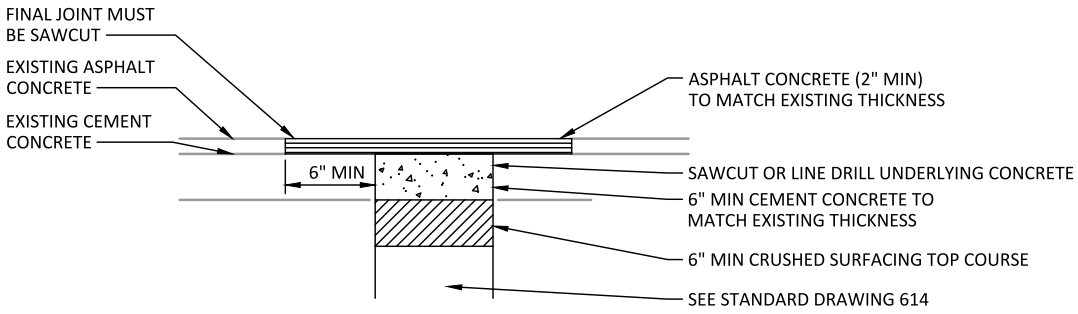
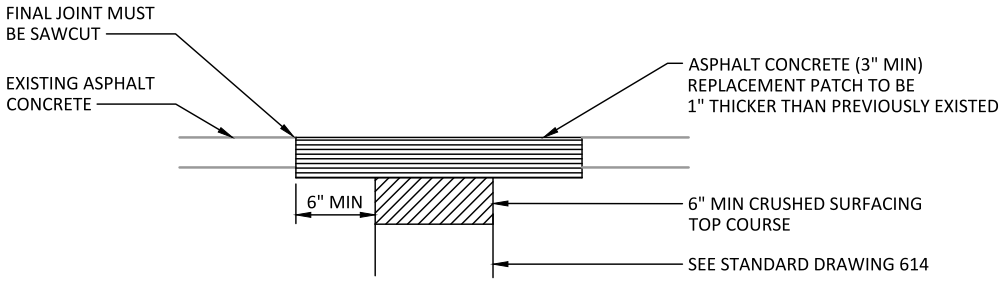
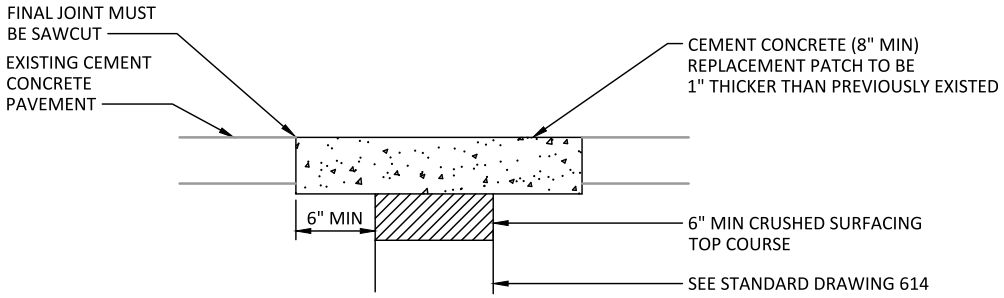


EXISTING ASPHALT CONCRETE OVER CEMENT CONCRETE



EXISTING ASPHALT CONCRETE OVER PREPARED GRADE



EXISTING CEMENT CONCRETE OVER PREPARED GRADE

NOTES

1. ALL TRENCHES IN ROADWAY AREAS SHALL BE BACKFILLED AND PATCHED WITH TEMPORARY ASPHALT AT THE END OF EACH WORK DAY, UNLESS PERMISSION IS GRANTED TO DO OTHERWISE BY THE CITY ENGINEER.
2. ALL TEMPORARY PATCHES ON TRENCHES SHALL BE PERMANENTLY PATCHED WITHIN 2 WEEKS OF COMPLETION OF WORK WITHIN ROADWAY AREA.
3. CEMENT CONCRETE FOR PATCHING SHALL BE COMMERCIAL MIX AS CALLED OUT IN WSDOT STANDARD SPECIFICATIONS.

Filename
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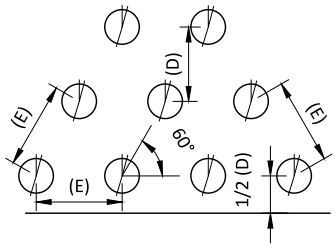
11/21/2022 10:42 AM

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

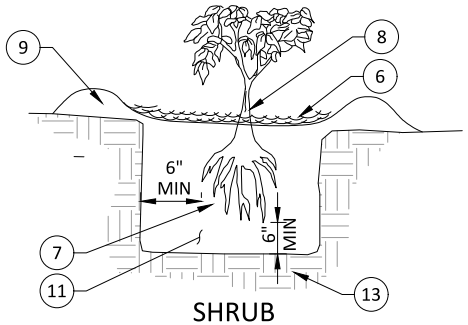
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	WRB	04/26/2017

TITLE
PAVEMENT PATCHING DETAILS

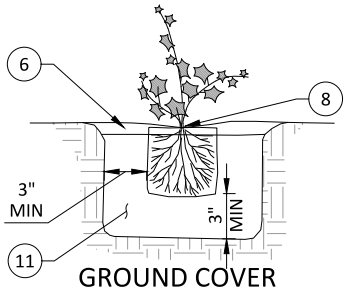
STANDARD DRAWING No.
326



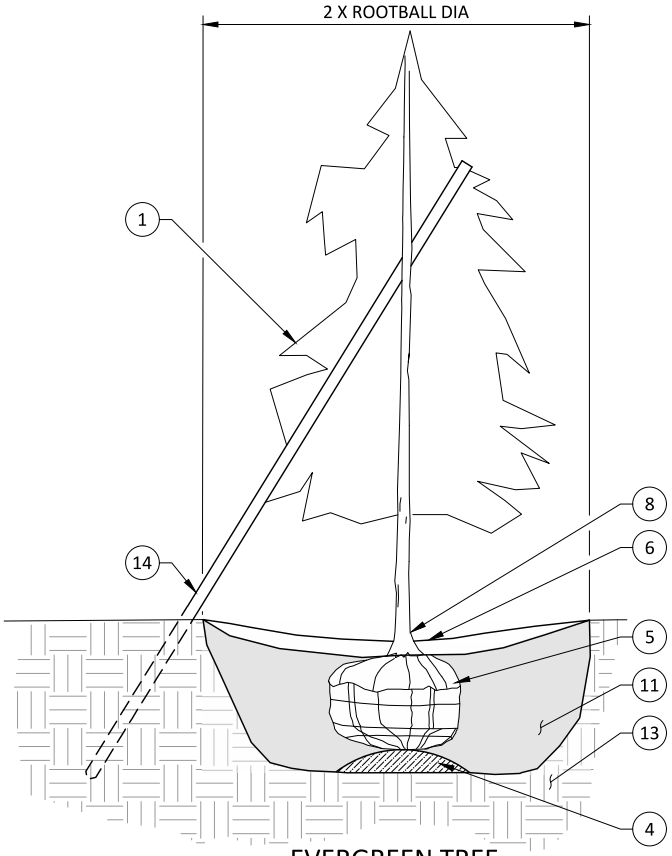
TRIANGULAR SPACING



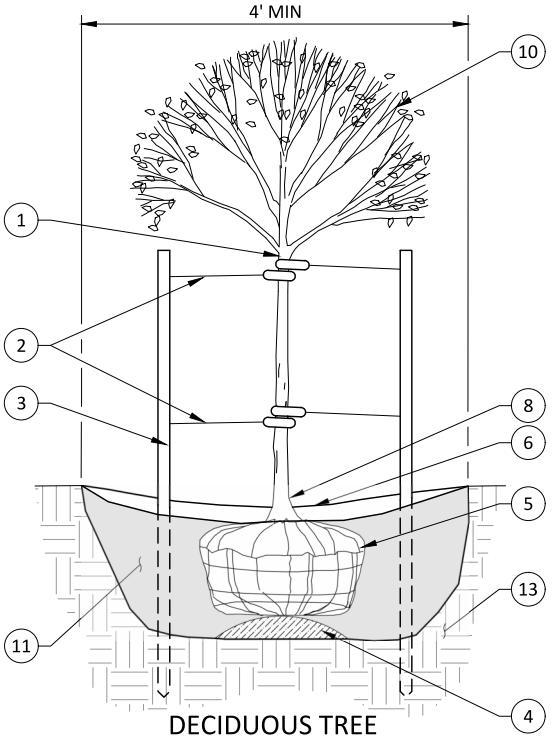
SHRUB



GROUND COVER



EVERGREEN TREE



DECIDUOUS TREE

NOTES

1. APPROVED EVERETT SMALL OR MEDIUM TREE SPECIES.
2. PLASTIC TREE STRAPS (1/2" WIDE). UPPER TIES 3" MIN (6" MAX) FROM TOP OF STAKE. IF UPPER TIE IS MORE THAN 4' ABOVE FINISHED GROUND, LOCATE LOWER TIES MIDPOINT UPPER TIE AND FINISHED GRADE. TOP STRAP SHALL BE A MIN OF 1/3 OF THE TREE HEIGHT.
3. TWO STAKES MIN 2" x 2" x 8' CEDAR/DOUGLAS FIR OR 2" x 8' ROUND POLES. POUND 1' MIN INTO UNDISTURBED OR CONSTRUCTED SOIL. TRIPLE STAKE DECIDUOUS TREES LARGER THAN 2" CALIPER.
4. PLACE ROOT BALL ON 6" MIN COMPACTED TOPSOIL MIX.
5. REMOVE TOP 1/3 OF BURLAP AND WIRE BASKET, REMOVE ALL TIES.
6. 2" MIN BARK MULCH OVER ALL PLANTED AREAS.
7. MINIMUM ROOT SPREAD TO BE IN ACCORDANCE WITH "AMERICAN STANDARDS FOR NURSERY STOCK". PRUNE ALL DAMAGED, DISEASED OR WEAK ROOTS. DO NOT ALLOW ROOTS TO DRY OUT DURING INSTALLATION PROCESS. SOAK ROOTS IN WATER OVERNIGHT BEFORE PLANTING ANY BARE ROOT STOCK.
8. SHRUBS AND TREES SHALL BE SLIGHTLY HIGHER IN RELATIONSHIP TO THE OLD SOIL MARK ON THE TRUNK AND THE FINISHED GRADE OF THE PLANTING.
9. CREATE SAUCER WITH TOPSOIL (6" R MIN).
10. IF NECESSARY, THIN BRANCHES BY 1/8 RETAINING NORMAL PLANT SHAPE.
11. TOPSOIL SHALL MEET REQUIREMENTS OF WSDOT STANDARD SPECIFICATION 8-02.3 TYPE A, B, OR C.
12. ALL GROUND COVER/SHRUB SPACING SHALL BE EQUIDISTANT UNLESS OTHERWISE SPECIFIED. DISTANCE ON CENTER AS SPECIFIED 'E'. SPACING BETWEEN ROWS 'D' AS SPECIFIED. START FIRST ROW OF PLANTING AT 1/2 'D' FROM PLANTING BORDER.
13. UNDISTURBED NATIVE SOIL OR CONSTRUCTED SOIL.
14. PEELER POLE STAKE WITH NURSERY TAPE WRAP. PLACE AT ANGLE TO WINDWARD DIRECTION.

EVERETT WASHINGTON **PUBLIC WORKS DEPARTMENT**

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	ESH	06/07/2022

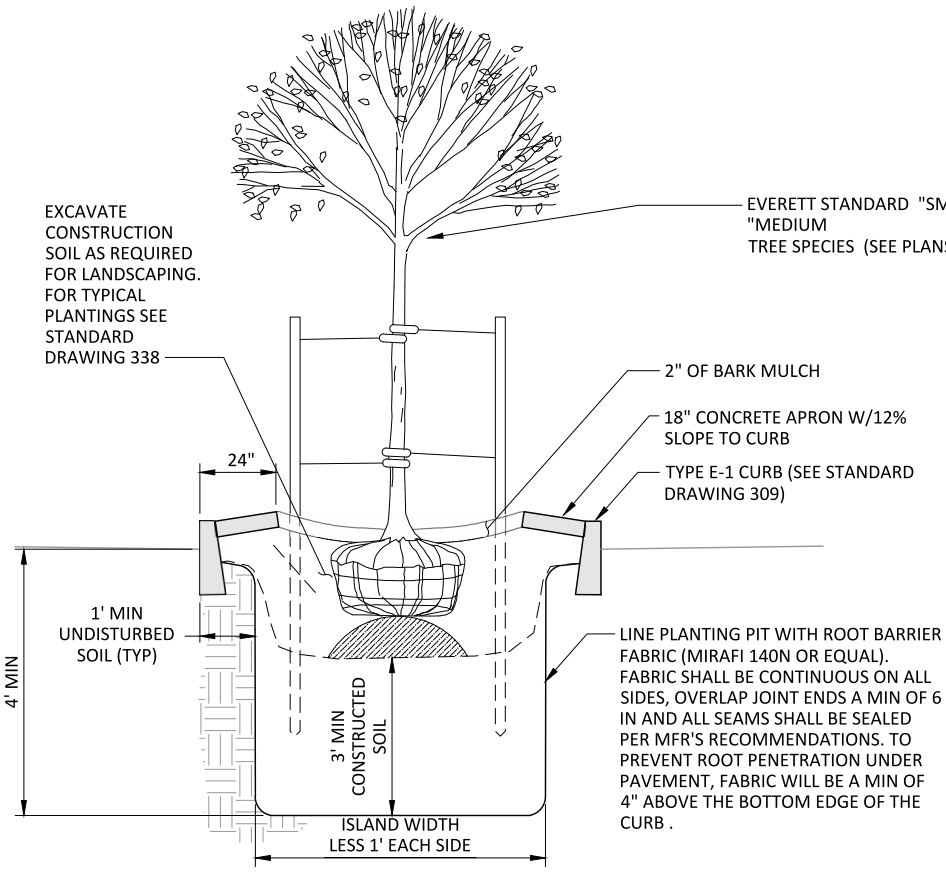
TITLE

PLANTING DETAIL - TREES, SHRUBS & GROUND COVER

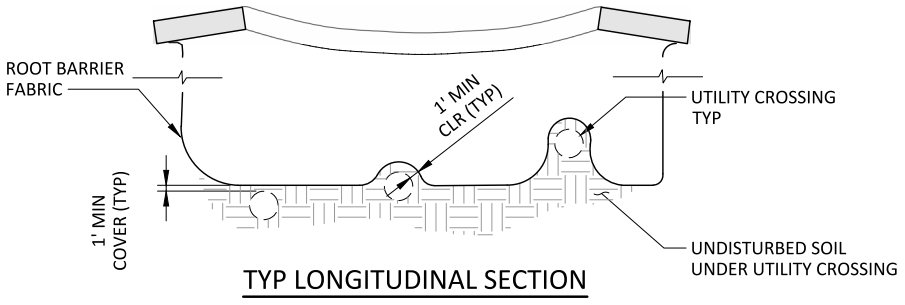
STANDARD DRAWING No.

338

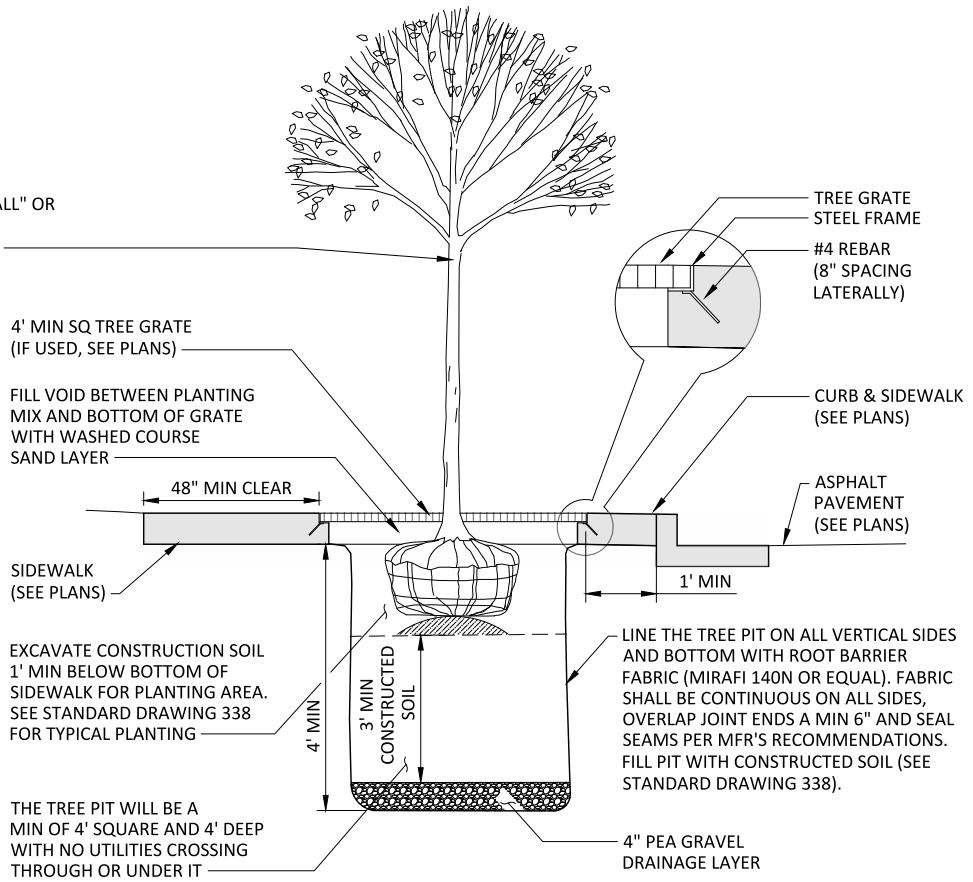
Filename T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD338.DWG



TRAFFIC ISLAND/MEDIAN/ADJACENT TO SIDEWALKS & CURBS



TYP LONGITUDINAL SECTION



IN SIDEWALK

EVERETT WASHINGTON **PUBLIC WORKS DEPARTMENT**

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	DAN ENRICO	PAUL WILHELM	ESH	05/06/2022

TITLE

PLANTING
IN TRAFFIC ISLANDS OR MEDIANS

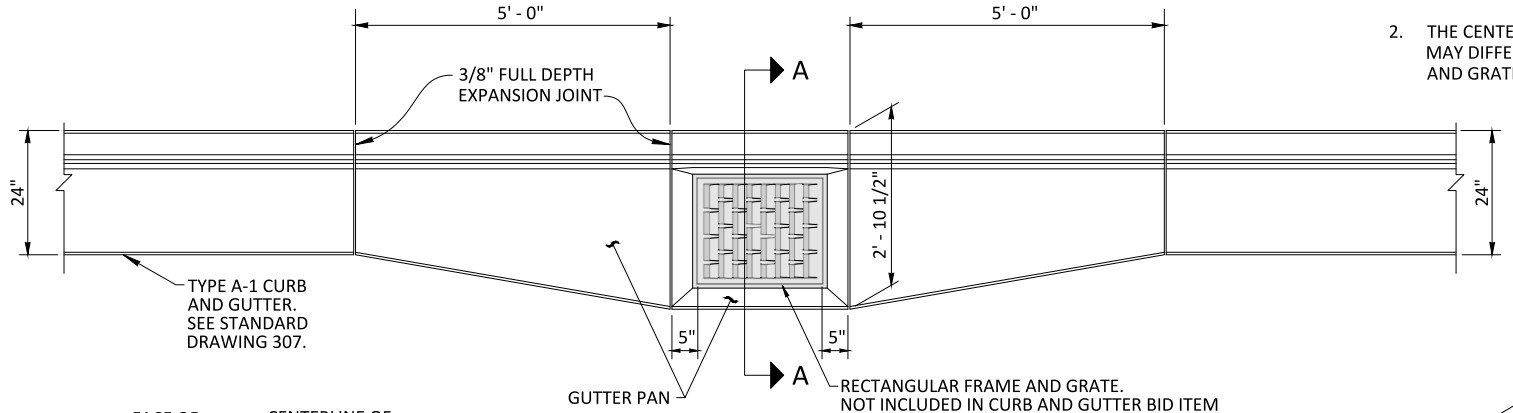
STANDARD DRAWING No.

339

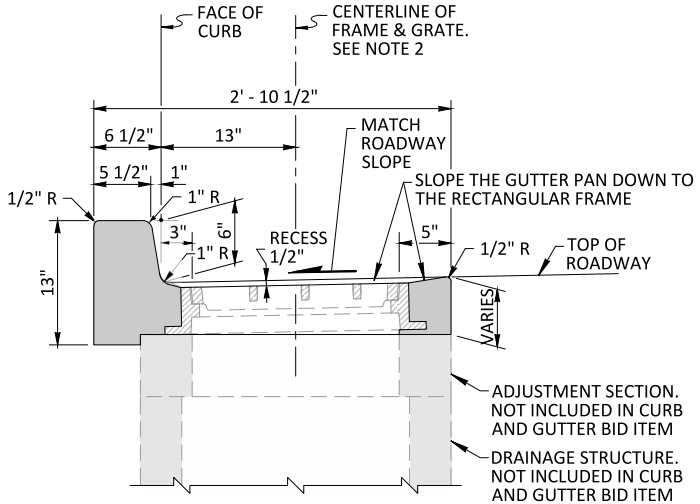
Filename T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD339.DWG

NOTES

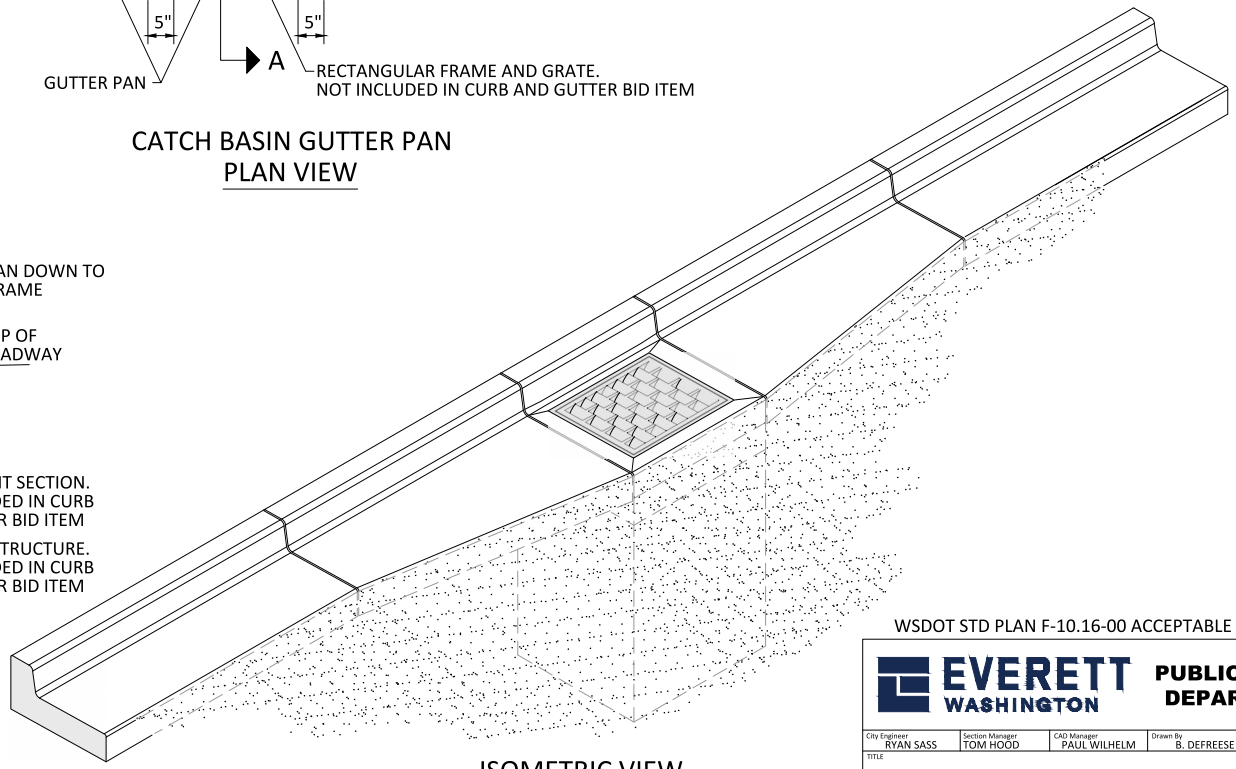
1. THE INTENT OF THIS DESIGN IS TO FACILITATE THE COMPACTION OF HOT MIX ASPHALT PAVEMENT ADJACENT TO A DRAINAGE STRUCTURE.
2. THE CENTERLINE OF THE DRAINAGE STRUCTURE MAY DIFFER FROM THE CENTERLINE OF THE FRAME AND GRATE.



CATCH BASIN GUTTER PAN
PLAN VIEW



SECTION A



ISOMETRIC VIEW

WSDOT STD PLAN F-10.16-00 ACCEPTABLE SUBSTITUTE

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	B. DEFREESE	1/3/2019

TITLE
CEMENT CONCRETE CURB AND GUTTER PAN

STANDARD DRAWING No.
343

Filename
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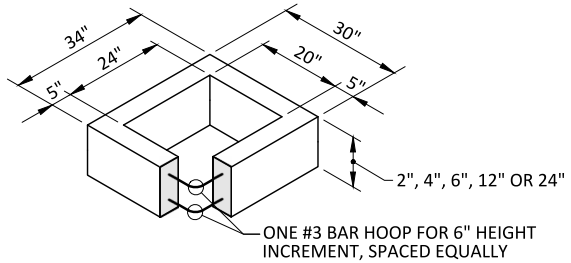


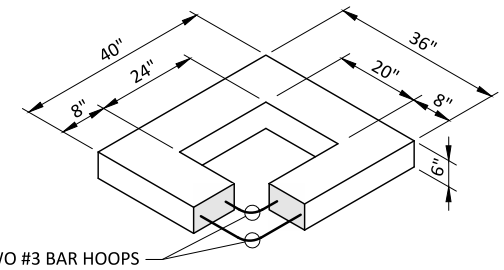
RECTANGULAR ADJUSTMENT SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER
REINFORCED OR PLAIN CONCRETE	18"
ALL METAL PIPE	21"
*CPSSP (WSDOT STD. SPEC. 9-05.20)	18"
SOLID WALL PVC (WSDOT STD. SPEC. 9-05.12(1))	21"
PROFILE WALL PVC (WSDOT STD. SPEC. 9-05.12(2))	21"

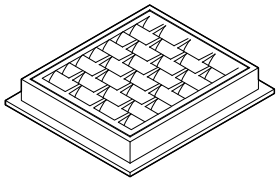
* CORRUGATED POLYETHYLENE STORM SEWER PIPE

NOTES

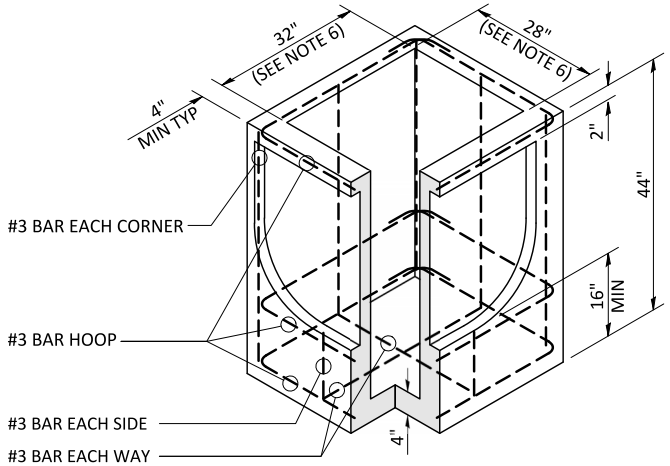
1. AS ACCEPTABLE ALTERNATIVES TO THE REBAR SHOWN IN THE PRECAST BASE SECTION, FIBERS (PLACED ACCORDING TO THE WSDOT STANDARD SPECIFICATIONS), OR WIRE MESH HAVING A MINIMUM AREA OF 0.12 SQUARE INCHES PER FOOT SHALL BE USED WITH THE MINIMUM REQUIRED REBAR SHOWN IN THE ALTERNATIVE PRECAST BASE SECTION. WIRE MESH SHALL NOT BE PLACED IN THE KNOCKOUTS.
2. THE KNOCKOUT DIAMETER SHALL NOT BE GREATER THAN 26". KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM TO 2.5" MAXIMUM. PROVIDE A 1.5" MINIMUM GAP BETWEEN THE KNOCKOUT WALL AND THE OUTSIDE OF THE PIPE. AFTER THE PIPE IS INSTALLED, FILL THE GAP WITH JOINT MORTAR IN ACCORDANCE WITH WSDOT STANDARD SPECIFICATION 9-04.3.
3. THE MAXIMUM DEPTH FROM THE FINISHED GRADE TO THE LOWEST PIPE INVERT SHALL BE 5.5'.
4. THE FRAME AND GRATE MAY BE INSTALLED WITH THE FLANGE DOWN, OR INTEGRALLY CAST INTO THE ADJUSTMENT SECTION WITH FLANGE UP.
5. THE PRECAST BASE SECTION MAY HAVE A ROUNDED FLOOR, AND THE WALLS MAY BE SLOPED AT A RATE OF 1:24 OR STEEPER.
6. THE OPENING SHALL BE MEASURED AT THE TOP OF THE PRECAST BASE SECTION.
7. ALL PICKUP HOLES SHALL BE GROUTED FULL AFTER THE BASIN HAS BEEN PLACED.



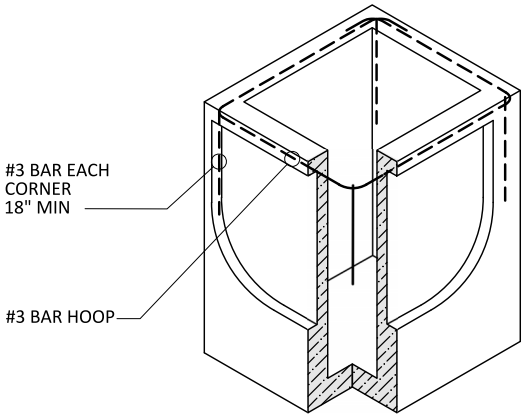
REDUCING SECTION



FRAME AND VANED GRATE



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

(SEE NOTE 1)

WSDOT STD PLAN B-5.40-01 ACCEPTABLE SUBSTITUTE

EVERETT WASHINGTON PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	WRB	03/07/2017

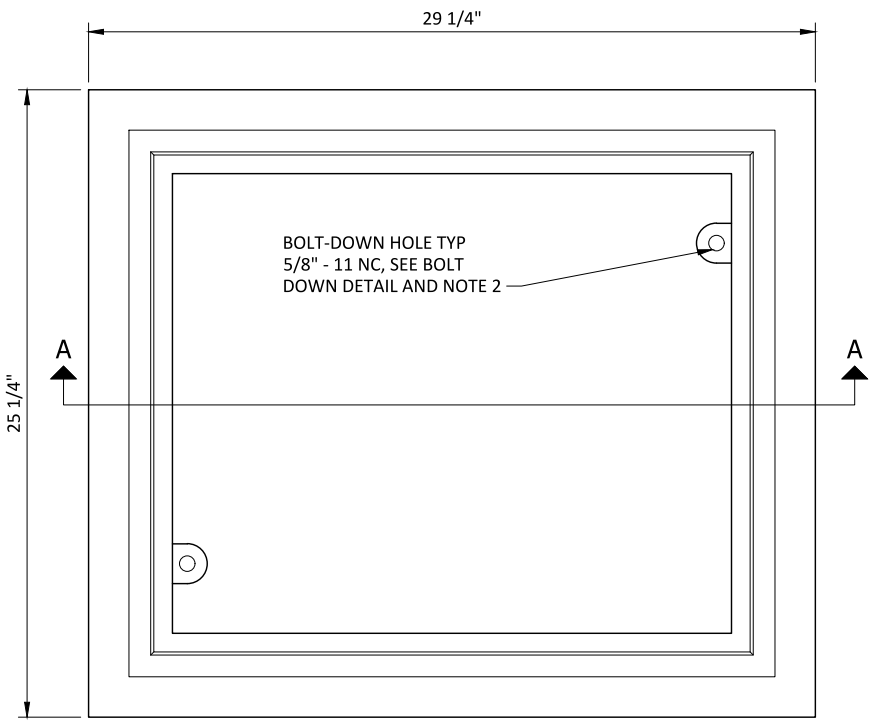
TITLE

CATCH BASIN TYPE 1L

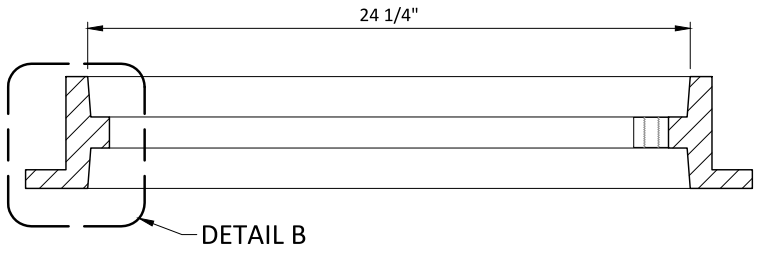
STANDARD DRAWING No.

403

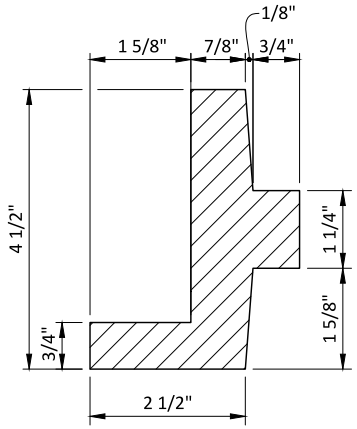
Filename T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD403.DWG



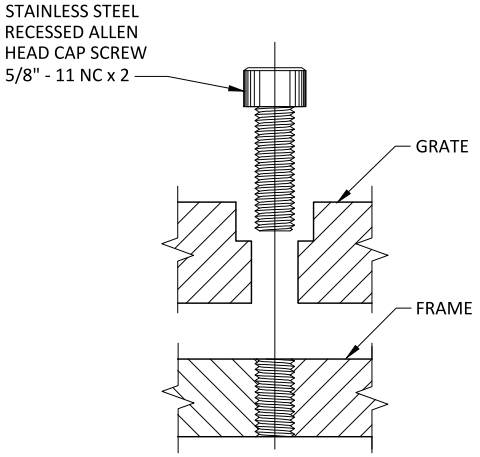
TOP



SECTION A-A



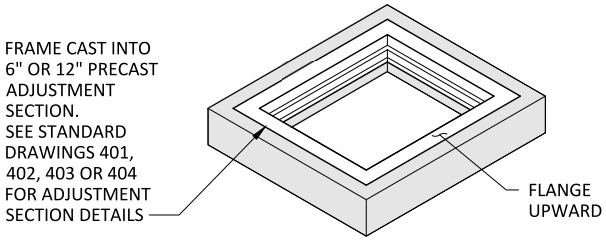
DETAIL B



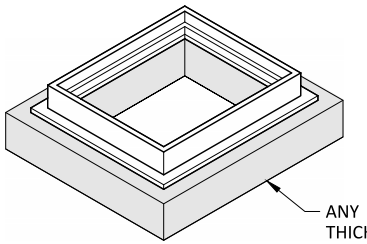
BOLT-DOWN DETAIL
(SEE NOTE 2)

NOTES

1. THIS FRAME IS DESIGNED TO ACCOMMODATE 20"X24" GRATES OR COVERS AS SHOWN ON STANDARD DRAWINGS 409 , 410 AND 411.
2. BOLT-DOWN CAPABILITY IS REQUIRED ON ALL FRAMES, GRATES AND COVERS UNLESS SPECIFIED OTHERWISE IN THE CONTRACT. PROVIDE TWO HOLES IN THE FRAME THAT ARE VERTICALLY ALIGNED WITH THE GRATE OR COVER SLOTS. THE FRAME SHALL ACCEPT THE 5/8" - 11 NC X 2" STAINLESS STEEL RECESSED ALLEN HEAD CAP SCREW BEING TAPPED, OR OTHER APPROVED MECHANISM. LOCATION OF BOLT DOWN HOLES VARIES BY MANUFACTURER.
3. REFER TO WSDOT STANDARD SPECIFICATION 9-05.15(2) AND DESIGN CONSTRUCTION STANDARDS AND SPECIFICATIONS SECTION 4 FOR ADDITIONAL REQUIREMENTS.



FLANGE UP



FLANGE DOWN

WSDOT STD PLAN B-30.10-01, ACCEPTABLE SUBSTITUTE EXCEPT ALL STEEL RECESSED ALLEN SCREWS MUST BE STAINLESS STEEL

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	WRB	12/30/2016

TITLE

RECTANGULAR FRAME
(REVERSIBLE)

STANDARD DRAWING No.

406

Filename
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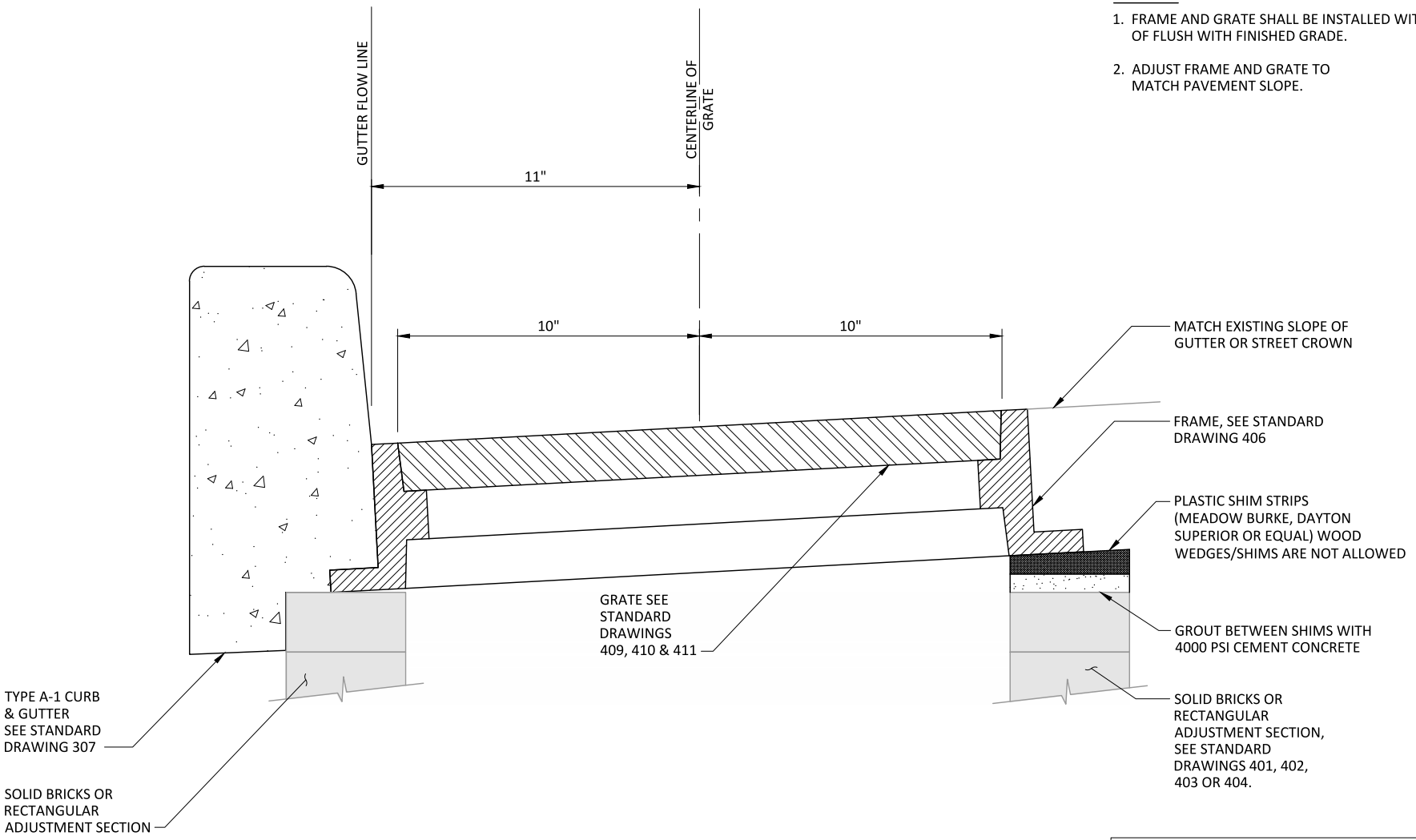
PLOTTED: 11/21/2022 10:45 AM

NOTES

1. FRAME AND GRATE SHALL BE INSTALLED WITHIN ± 1/4" OF FLUSH WITH FINISHED GRADE.
2. ADJUST FRAME AND GRATE TO MATCH PAVEMENT SLOPE.



EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
R SASS	HEATHER GRIFFIN	PAUL WILHELM	WRB	03/07/2017

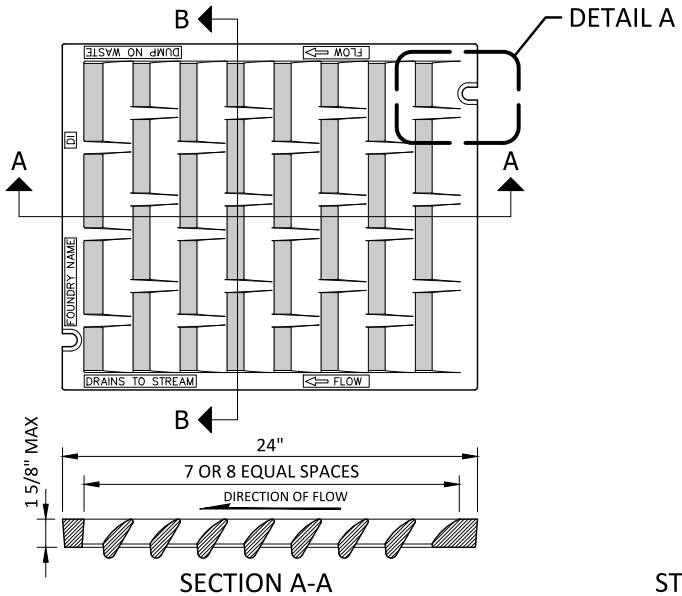
TITLE

TYPICAL FRAME AND GRATE INSTALLATION

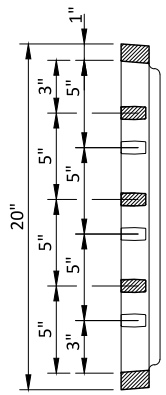
STANDARD DRAWING No.

407

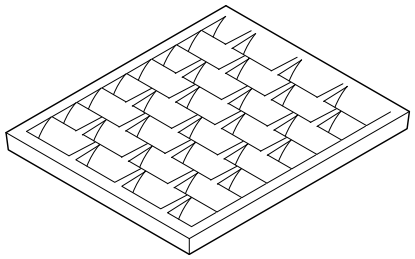
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD407.DWG



SECTION A-A



SECTION B-B

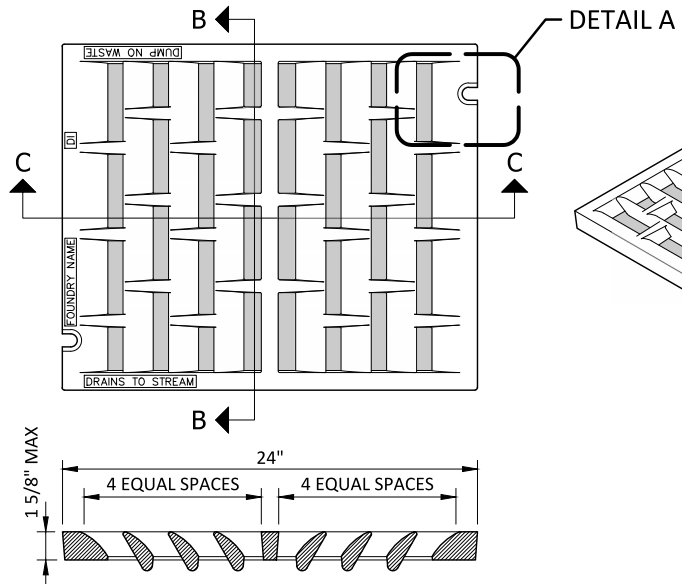


ISOMETRIC

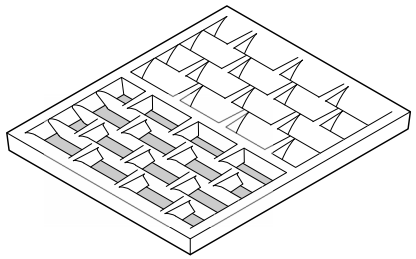
NOTES

1. BOLT-DOWN CAPABILITY IS REQUIRED ON ALL FRAMES, GRATES AND COVERS. PROVIDE TWO HOLES IN THE FRAME THAT ARE VERTICALLY ALIGNED WITH THE GRATE OR COVER SLOTS. THE FRAME SHALL ACCEPT THE 5/8" - 11 NC X 2" STAINLESS STEEL RECESSED ALLEN HEAD CAP SCREW BEING TAPPED, OR OTHER APPROVED MECHANISM. LOCATION OF BOLT DOWN HOLES VARIES BY MANUFACTURER.
2. REFER TO WSDOT STANDARD SPECIFICATION 9-05.15(2) AND DESIGN CONSTRUCTION STANDARDS AND SPECIFICATIONS SECTION 4 FOR ADDITIONAL REQUIREMENTS.
3. FOR FRAME DETAILS, SEE STANDARD DRAWINGS 406 AND 407.
4. ALL GRATES MUST BE STENCILED OR STAMPED "DUMP NO WASTE, DRAINS TO _", WHERE THE BLANK SHALL BE FILLED IN WITH "STREAM", "LAKE", "RIVER", "PUGET SOUND", OR "WETLAND" AS APPLICABLE TO THE LOCATION WHERE THE GRATE IS TO BE INSTALLED.

STANDARD DIRECTIONAL GRATE



SECTION C-C



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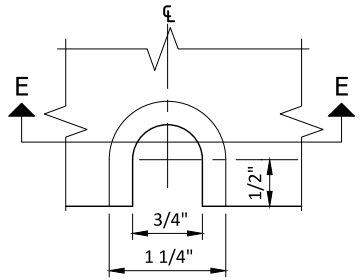
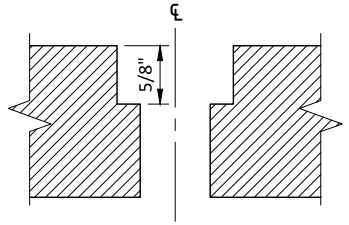


BOLT-DOWN SLOT
DETAIL A



SECTION E-E
(SEE NOTE 1)

WSDOT STD PLAN B-30.30-01 AND B-30.40-01, ACCEPTABLE SUBSTITUTE EXCEPT ALL STEEL RECESSED ALLEN SCREWS MUST BE STAINLESS STEEL

BI-DIRECTIONAL OPTION

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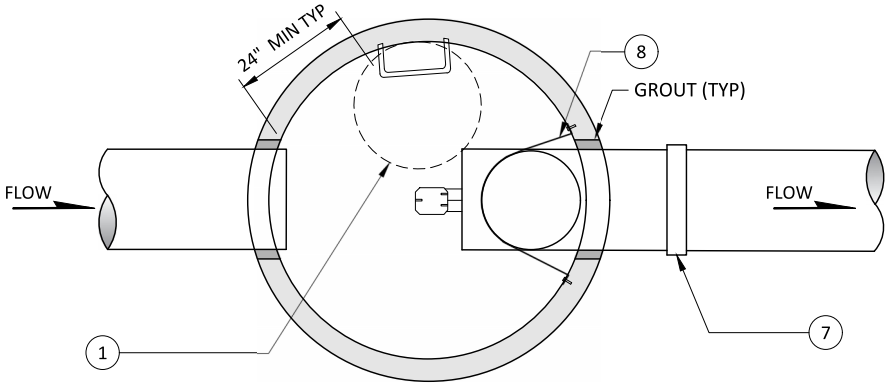
PLOTTED: 11/21/2022 10:45 AM

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

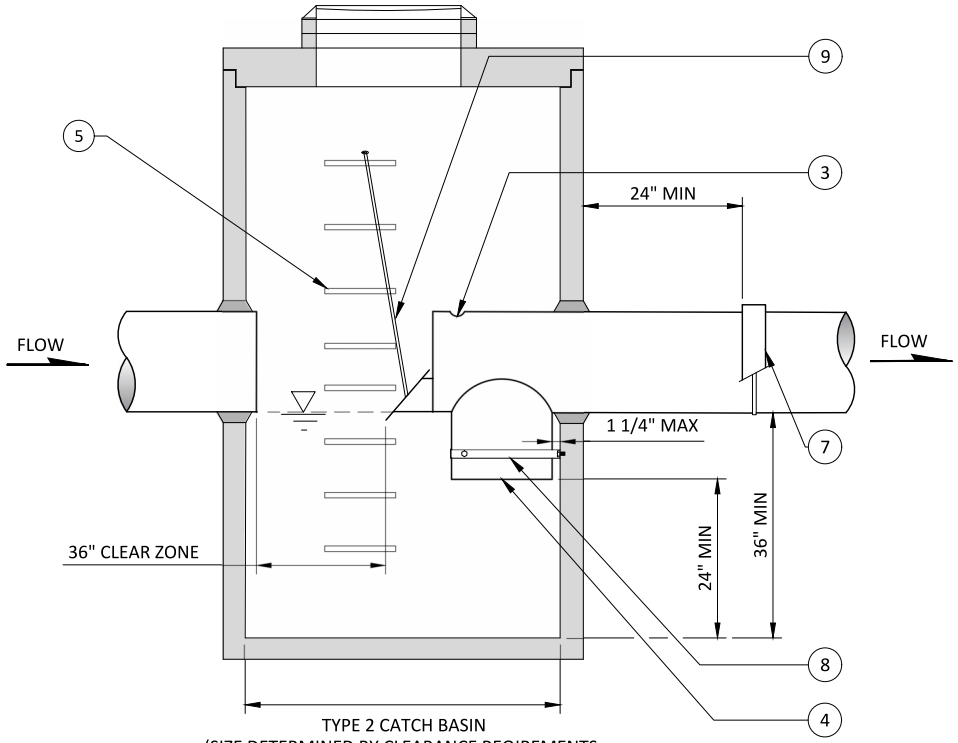
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	WRB	01/03/2019

TITLE
VANED GRATES
FOR CATCH BASIN OR INLET

STANDARD DRAWING No.
411



PLAN



TYPE 2 CATCH BASIN
(SIZE DETERMINED BY CLEARANCE REQIREMENTS,
- 54" CATCH BASIN DIA MIN)

SECTION

NOTES

1. INSTALL CATCH BASIN TOP, FRAME, GRATE AND SECTIONS SO THAT LIFT GATE IS VISIBLE THROUGH OPENING AND STEPS CLEAR INLET AND RESTRICTOR UNIT.
2. INSTALL LOCKING FRAME & GRATE OR COVER PER STANDARD DRAWINGS 406 AND 610. FRAME AND COVER PER STANDARD DRAWING 610 IS REQUIRED IF INSTALLATION IS NOT IN PAVED AREA OR IS NOT TO FUNCTION AS A CATCH BASIN.
3. 1" VENT HOLE WHEN NOT CONNECTED TO COMBINED SEWER SYSTEM.
4. SEPARATOR ASSEMBLY SEE STANDARD DRAWING 415 AS APPLICABLE.
5. STEPS PER STANDARD DRAWING 609.
6. MIN CLEARANCE: 36" FOR OUTLETS OF 24" AND LARGER 18", FOR OUTLETS OF 18" AND SMALLER
7. BAND STRAP WITH GASKET
8. SECURE SEPARATOR TO CATCH BASIN WITH 8 GA ALUMINUM STRAP. BOLT TO CATCH BASIN WALL WITH STAINLESS STEEL ANCHOR BOLTS AND TO SEPARATOR UNIT.
9. FOR LIFT GATE ASSEMBLY AND ALUMINUM ROD LIFT HANDLE ASSEMBLY SEE STANDARD DRAWING 416.

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	WRB	04/25/2017

TITLE
FLOATABLE MATERIAL SEPARATOR AND/OR GAS TRAP
FOR 12" AND LARGER LINES

STANDARD DRAWING No.
414

Filename
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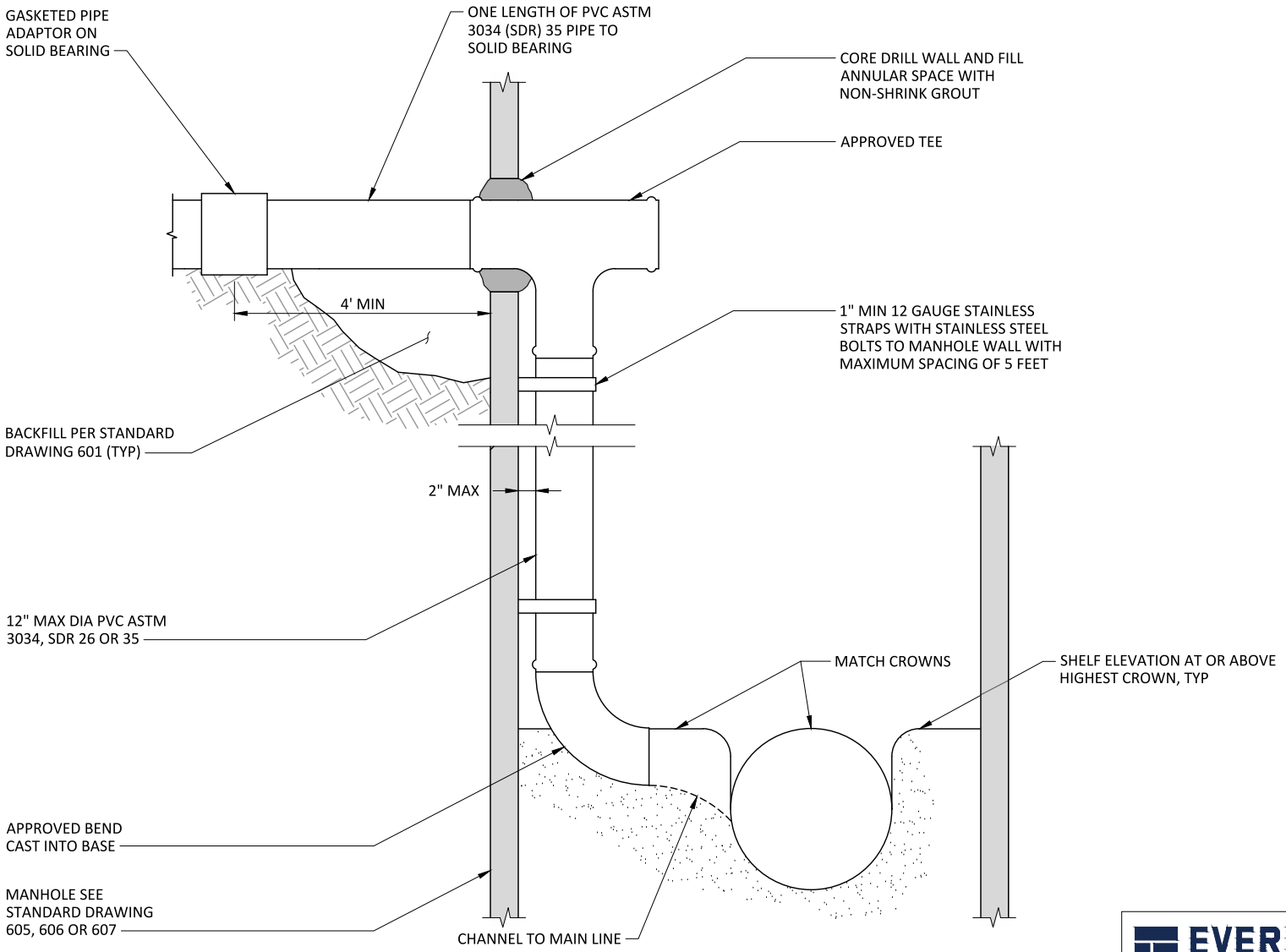

NOTE: LOCATE MANHOLE STEPS AND LADDER ADJACENT TO DROP PIPE DISCHARGE. SEE SEC "A" STANDARD DRAWING 612

54" MINIMUM DIAMETER MANHOLE REQUIRED

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	DAVID VOIGT	PAUL WILHELM	WRB	06/23/2017

TITLE

INSIDE DROP MANHOLE CONNECTION

STANDARD DRAWING No.

613

Filename
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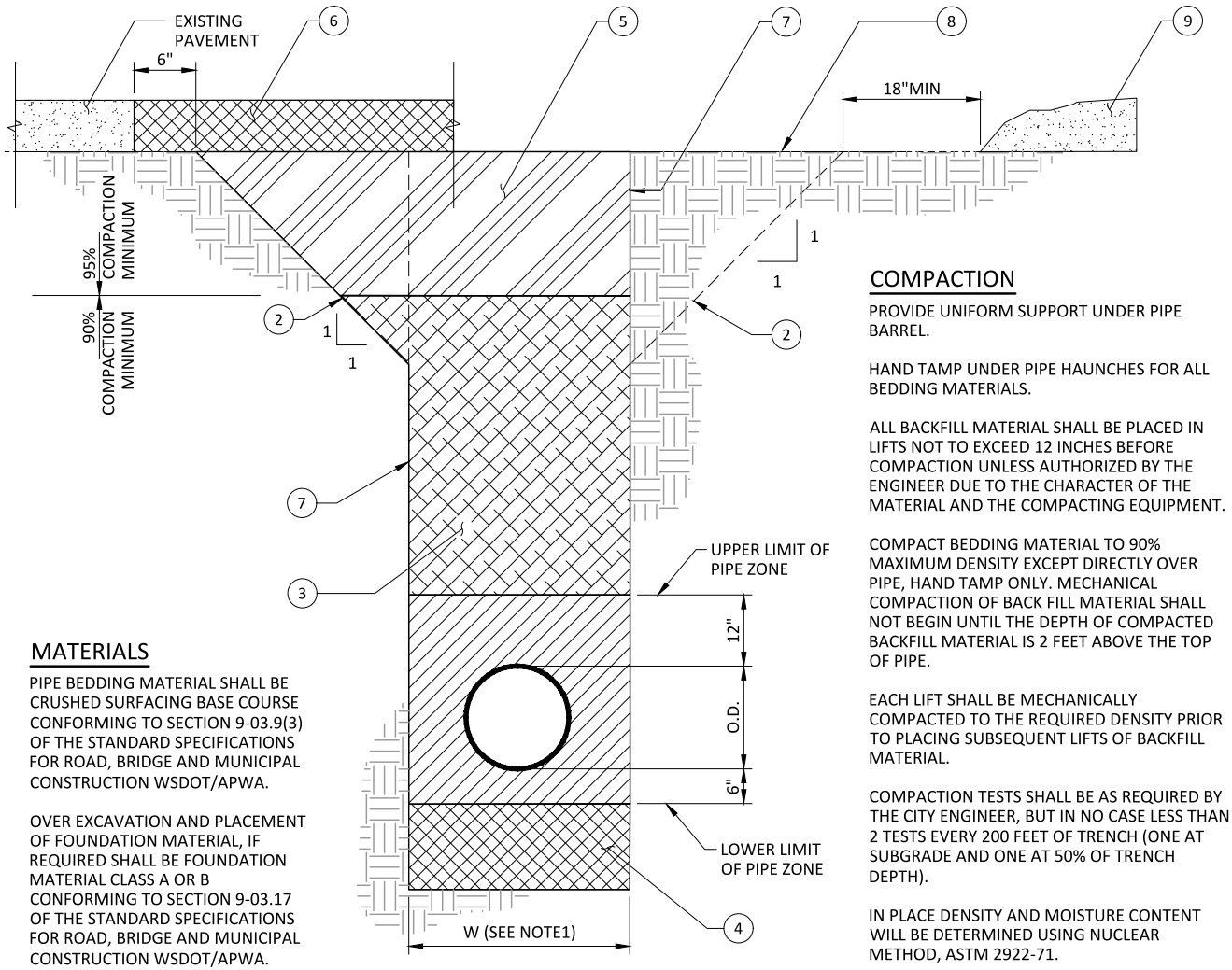

MATERIALS

PIPE BEDDING MATERIAL SHALL BE CRUSHED SURFACING BASE COURSE CONFORMING TO SECTION 9-03.9(3) OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION WSDOT/APWA.

OVER EXCAVATION AND PLACEMENT OF FOUNDATION MATERIAL, IF REQUIRED SHALL BE FOUNDATION MATERIAL CLASS A OR B CONFORMING TO SECTION 9-03.17 OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION WSDOT/APWA.

COMPACTION

PROVIDE UNIFORM SUPPORT UNDER PIPE BARREL.

HAND TAMP UNDER PIPE HAUNCHES FOR ALL BEDDING MATERIALS.

ALL BACKFILL MATERIAL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES BEFORE COMPACTION UNLESS AUTHORIZED BY THE ENGINEER DUE TO THE CHARACTER OF THE MATERIAL AND THE COMPACTING EQUIPMENT.

COMPACT BEDDING MATERIAL TO 90% MAXIMUM DENSITY EXCEPT DIRECTLY OVER PIPE, HAND TAMP ONLY. MECHANICAL COMPACTION OF BACK FILL MATERIAL SHALL NOT BEGIN UNTIL THE DEPTH OF COMPACTED BACKFILL MATERIAL IS 2 FEET ABOVE THE TOP OF PIPE.

EACH LIFT SHALL BE MECHANICALLY COMPACTED TO THE REQUIRED DENSITY PRIOR TO PLACING SUBSEQUENT LIFTS OF BACKFILL MATERIAL.

COMPACTION TESTS SHALL BE AS REQUIRED BY THE CITY ENGINEER, BUT IN NO CASE LESS THAN 2 TESTS EVERY 200 FEET OF TRENCH (ONE AT SUBGRADE AND ONE AT 50% OF TRENCH DEPTH).

IN PLACE DENSITY AND MOISTURE CONTENT WILL BE DETERMINED USING NUCLEAR METHOD, ASTM 2922-71.

LABORATORY MAXIMUM DRY DENSITY AND OPTIMUM MOISTURE CONTENT WILL BE DETERMINED USING THE MODIFIED PROCTOR METHOD IN ACCORDANCE WITH ASTM D-1557.

NOTES

1. W = MAXIMUM WIDTH OF TRENCH. FOR PIPES 15" OR LESS IN DIA W=40". FOR PIPES 18" OR GREATER W=1.5 X I.D. + 18". PIPE MUST BE CENTERED IN TRENCH.
2. ALTERNATE SLOPING TRENCH WALL TO MEET O.S.H.A. REQUIREMENTS (NO SLOPES STEEPER THAN 1:1 EXCEPT FOR ROCK).
3. SUITABLE NATIVE MATERIAL OR IMPORTED GRAVEL BORROW AS DIRECTED. COMPACT TO 90% MAXIMUM DENSITY.
4. FOUNDATION GRAVEL IF REQUIRED BY THE ENGINEER TO REPLACE UNSUITABLE MATERIAL. SHALL BE FOUNDATION MATERIAL CLASS A, B OR AS APPROVED BY THE ENGINEER.
5. IF DIRECTED BY THE ENGINEER THE TOP THREE TO FIVE FEET OF BACKFILL SHALL BE IMPORTED GRAVEL BORROW OR SUITABLE NATIVE MATERIAL COMPACTED TO 95% MAXIMUM DENSITY.
6. SEE CITY OF EVERETT STANDARD DWG 326 FOR PAVEMENT PATCH DETAILS.
7. VERTICAL TRENCH WALLS WITH SHORING TO CONFORM TO O.S.H.A. REGULATIONS.
8. SUBGRADE OR GROUND SURFACE IN NON-PAVED AREAS.
9. EXCAVATED NATIVE MATERIAL OR STOCKPILED BACKFILL MATERIAL.
10. FOR ALL TRENCHING TRANSVERSE TO THE ROADWAY BACKFILL ABOVE THE PIPE ZONE SHALL BE CONTROLLED DENSITY FILL. SEE SECTION 3-9.6 & 3-20.1 OF THESE STANDARDS.
11. FOR UTILITY CUTS SUCH AS GAS, TELEPHONE, POWER, AND CABLE TV LONGITUDINAL TO THE ROADWAY, BACKFILL SHALL BE CONTROLLED DENSITY FILL. SEE SECTION 3-9.5 OF THESE STANDARDS.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	DAVID VOIGT	PAUL WILHELM	ESH	12/11/2019

TITLE

TYPICAL TRENCH SECTION

STANDARD DRAWING No.

614

Filename
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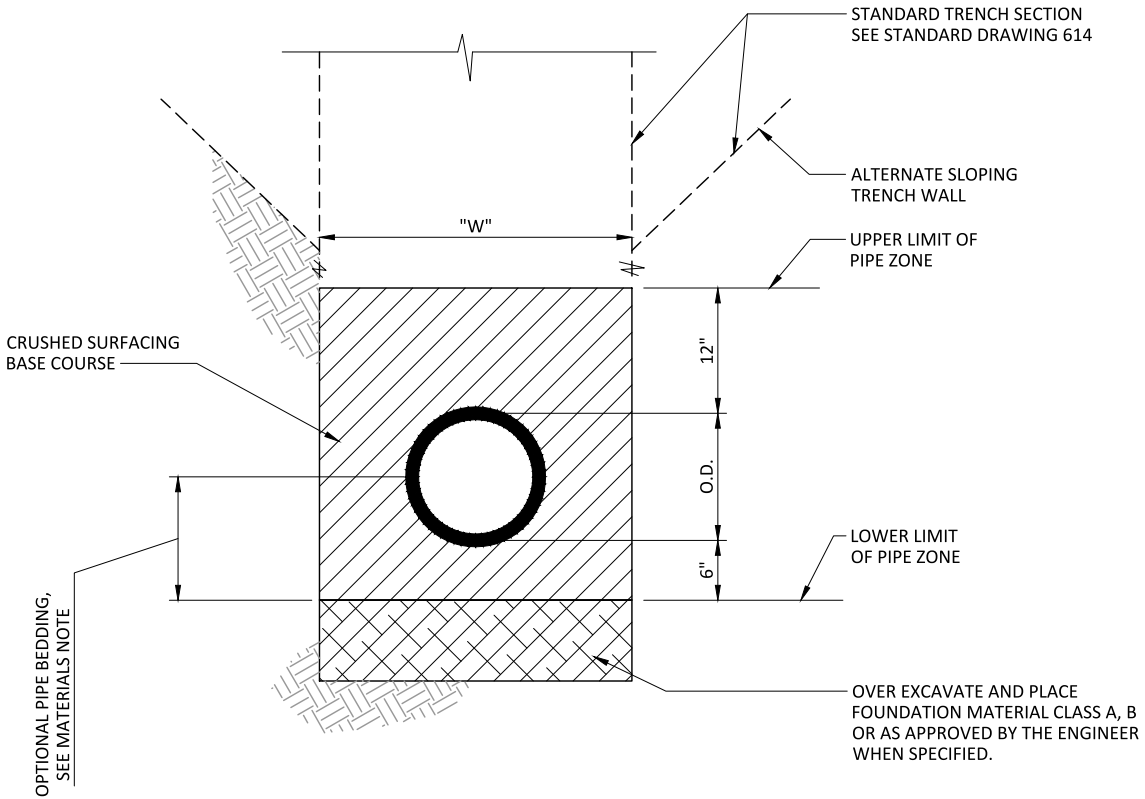
11/21/2022 10:51 AM



BEDDING AND FOUNDATION:

LIMITS OF TRENCH

W = MAXIMUM WIDTH OF TRENCH. FOR PIPES 15" OR LESS IN DIAMETER W = 40". FOR PIPES 18" OR GREATER W = 1 1/2 x I.D. + 18". PIPE MUST BE CENTERED IN TRENCH.

MATERIALS

PIPE BEDDING MATERIAL SHALL BE CRUSHED SURFACING BASE COURSE CONFORMING TO SECTION 9-03.9(3) OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION WSDOT/APWA.

OPTIONAL PIPE BEDDING (TO SPRING-LINE) FOR PIPE 15" DIA AND LARGER: PEA GRAVEL OR 3/4" CLEAN ROCK CHIPS AS APPROVED IN ADVANCE BY ENGINEER.

OVER EXCAVATION AND PLACEMENT OF FOUNDATION MATERIAL, IF REQUIRED SHALL BE FOUNDATION MATERIAL CLASS A OR B CONFORMING TO SECTION 9-03.17 OF THE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION WSDOT/APWA.

PROCEDURE FOR COMPACTION

PROVIDE UNIFORM SUPPORT UNDER PIPE BARREL.

COMPACT BEDDING MATERIAL TO 90% MAXIMUM DENSITY EXCEPT DIRECTLY OVER PIPE, HAND TAMP ONLY.

HAND TAMP UNDER PIPE HAUNCHES FOR ALL BEDDING MATERIALS.

FOR ADDITIONAL COMPACTION INFORMATION SEE STANDARD DWG 615.

Filename
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EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	DAVID VOIGT	PAUL WILHELM	WRB	12/30/2016

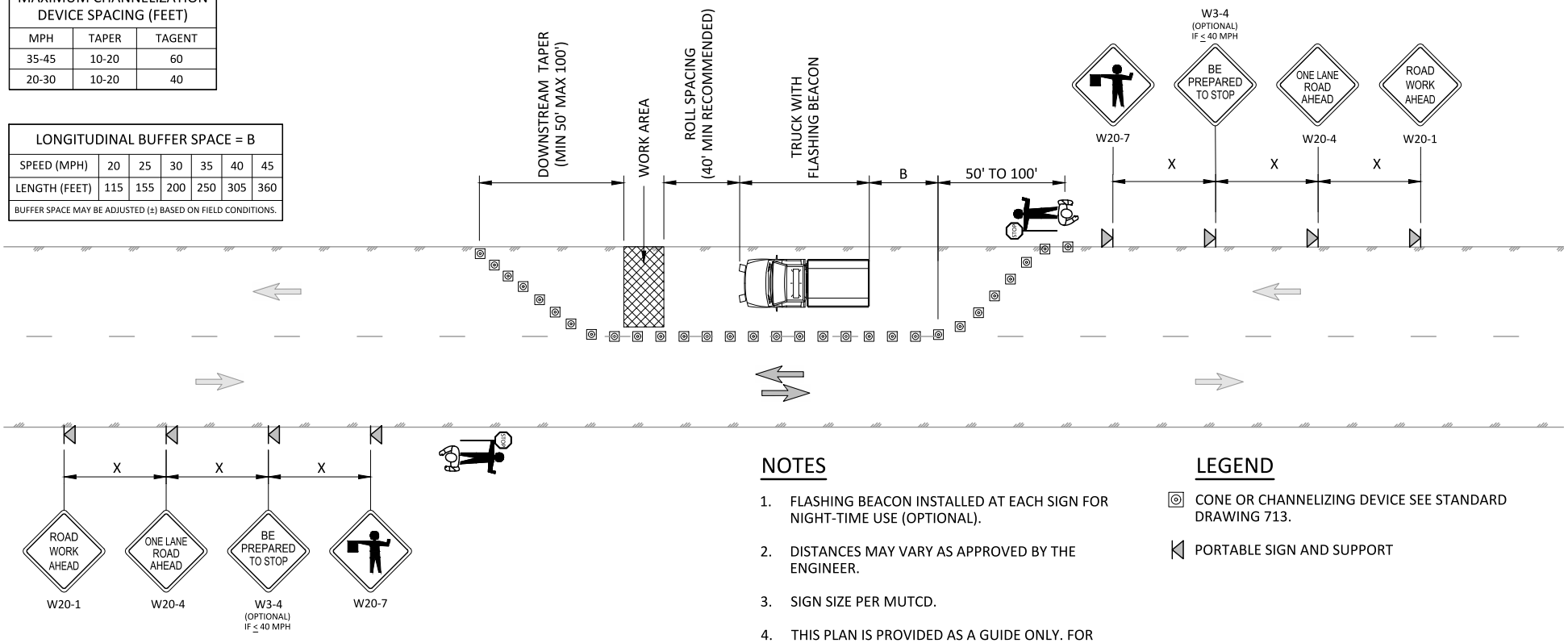
TITLE
BEDDING FOR PIPE IN TRENCHES

STANDARD DRAWING No.
615

ONE-LANE, TWO-WAY
ALTERNATING TRAFFIC
(FLAGGERS, AFADS, TEMP SIGNALS)

MAXIMUM CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TAGENT
35-45	10-20	60
20-30	10-20	40

LONGITUDINAL BUFFER SPACE = B						
SPEED (MPH)	20	25	30	35	40	45
LENGTH (FEET)	115	155	200	250	305	360
BUFFER SPACE MAY BE ADJUSTED (±) BASED ON FIELD CONDITIONS.						



NOTES

1. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
2. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
3. SIGN SIZE PER MUTCD.
4. THIS PLAN IS PROVIDED AS A GUIDE ONLY. FOR SPECIFIC INFORMATION ON TRAFFIC CONTROL PLANS SEE CURRENT MUTCD.

LEGEND

- CONE OR CHANNELIZING DEVICE SEE STANDARD DRAWING 713.
- PORTABLE SIGN AND SUPPORT

RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS	45-55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25-35 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25-35 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS. AT-GRADE INTERSECTIONS & DRIVEWAYS		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS		

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By
TOM HOOD	COREY HERT	PAUL WILHELM	ESH

Current Rev Date: 06/03/2024

TITLE
TRAFFIC CONTROL PLAN
2 LANE ROADWAY:
ONE LANE CLOSED WITH ALTERNATING ONEWAY TRAFFIC AND SPOTTERS

STANDARD DRAWING No.
701

Filename
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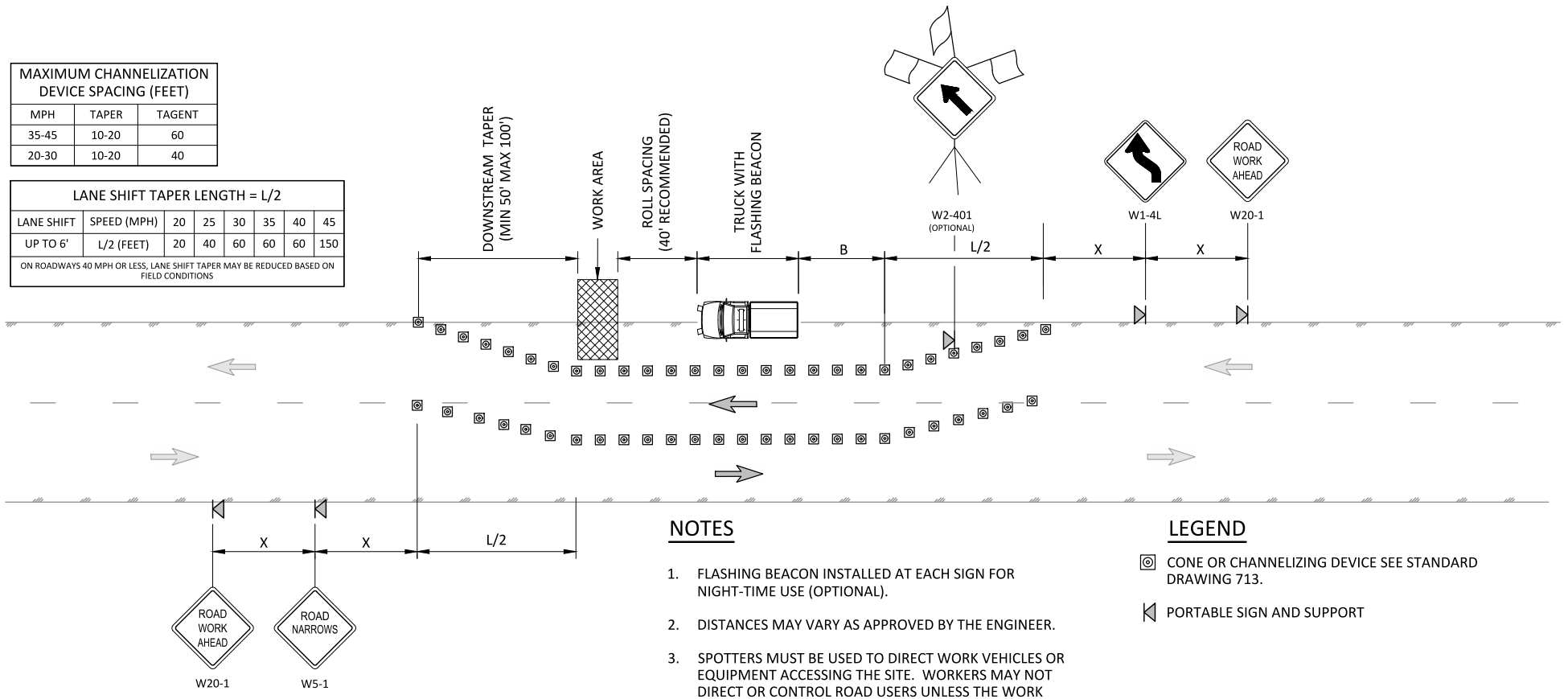
MAXIMUM CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TAGENT
35-45	10-20	60
20-30	10-20	40

LANE SHIFT TAPER LENGTH = L/2							
LANE SHIFT	SPEED (MPH)	20	25	30	35	40	45
UP TO 6'	L/2 (FEET)	20	40	60	60	60	150
ON ROADWAYS 40 MPH OR LESS, LANE SHIFT TAPER MAY BE REDUCED BASED ON FIELD CONDITIONS							



NOTES

1. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
2. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
3. SPOTTERS MUST BE USED TO DIRECT WORK VEHICLES OR EQUIPMENT ACCESSING THE SITE. WORKERS MAY NOT DIRECT OR CONTROL ROAD USERS UNLESS THE WORK AREA IS SET UP FOR FLAGGING. FLAGGING REQUIRES A 3 OR 4 SIGN SETUP, SEE STANDARD DRAWING 701.
4. SIGN SIZE PER MUTCD.
5. THIS PLAN IS PROVIDED AS A GUIDE ONLY. FOR SPECIFIC INFORMATION ON THE TRAFFIC CONTROL PLANS SEE CURRENT MUTCD.
6. MAINTAIN A MINIMUM 10' FOOT LANE WIDTH.

LEGEND

- CONE OR CHANNELIZING DEVICE SEE STANDARD DRAWING 713.
- PORTABLE SIGN AND SUPPORT

RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS	45-55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25-35 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25-35 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS. AT-GRADE INTERSECTIONS & DRIVEWAYS		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS		

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	COREY HERT	PAUL WILHELM	ESH	07/08/2024

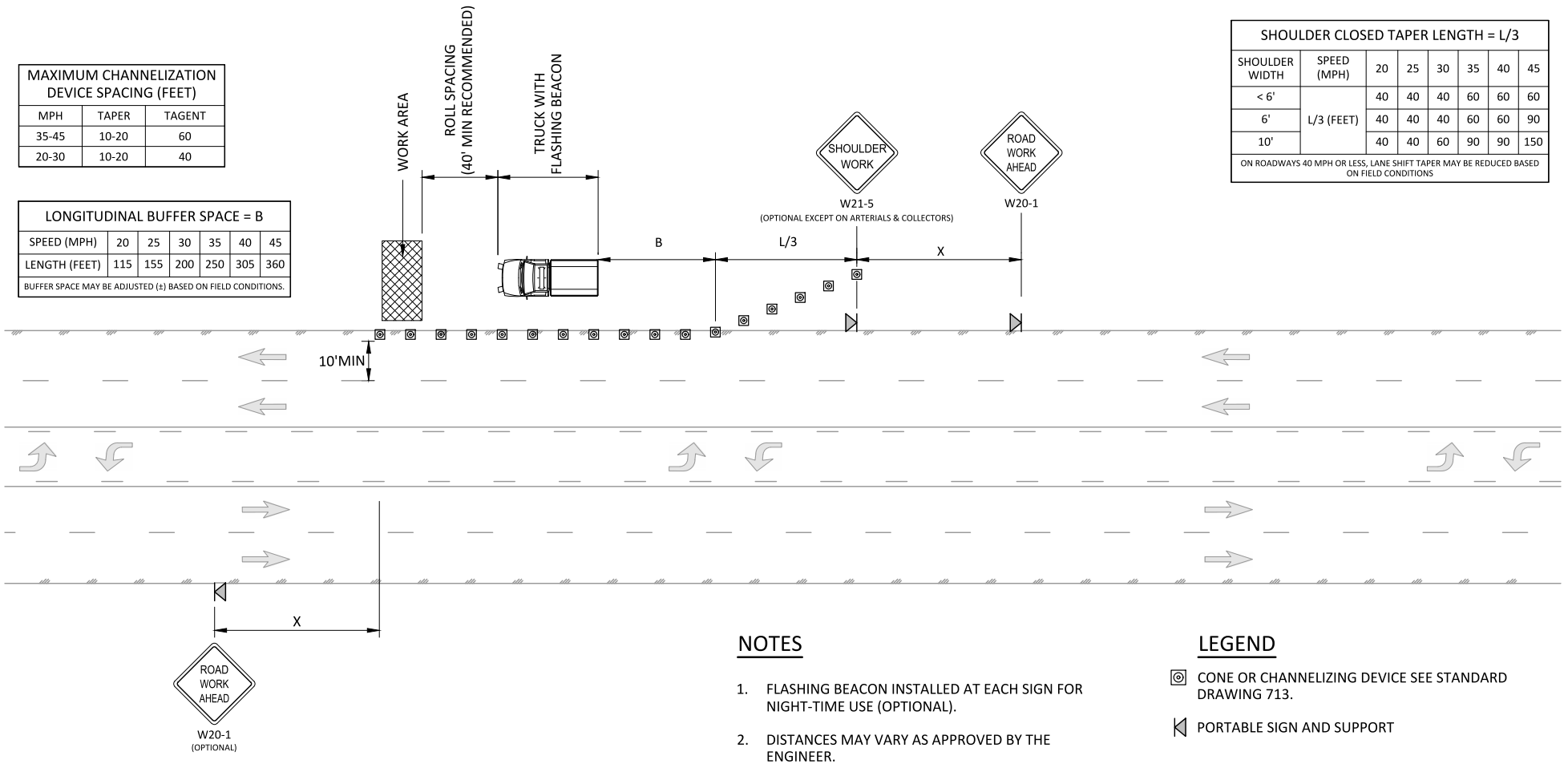
TITLE
TRAFFIC CONTROL PLAN 2 LANE ROADWAY: PARTIAL LANE CLOSURE

STANDARD DRAWING No.
702

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD702.DWG

MAXIMUM CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TAGENT
35-45	10-20	60
20-30	10-20	40

LONGITUDINAL BUFFER SPACE = B						
SPEED (MPH)	20	25	30	35	40	45
LENGTH (FEET)	115	155	200	250	305	360
BUFFER SPACE MAY BE ADJUSTED (±) BASED ON FIELD CONDITIONS.						



SHOULDER CLOSED TAPER LENGTH = L/3							
SHOULDER WIDTH	SPEED (MPH)	20	25	30	35	40	45
< 6'	L/3 (FEET)	40	40	40	60	60	60
6'		40	40	40	60	60	90
10'		40	40	60	90	90	150
ON ROADWAYS 40 MPH OR LESS, LANE SHIFT TAPER MAY BE REDUCED BASED ON FIELD CONDITIONS							

RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS	45-55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25-35 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25-35 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS. AT-GRADE INTERSECTIONS & DRIVEWAYS		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS		

NOTES

1. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
2. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
3. SPOTTERS MUST BE USED TO DIRECT WORK VEHICLES OR EQUIPMENT ACCESSING THE SITE. WORKERS MAY NOT DIRECT OR CONTROL ROAD USERS UNLESS THE WORK AREA IS SET UP FOR FLAGGING. FLAGGING REQUIRES A 3 OR 4 SIGN SETUP, SEE STANDARD DRAWING 701.
4. SIGN SIZE PER MUTCD.
5. THIS PLAN IS PROVIDED AS A GUIDE ONLY. FOR SPECIFIC INFORMATION ON TRAFFIC CONTROL PLANS SEE CURRENT MUTCD.

LEGEND

CONE OR CHANNELIZING DEVICE SEE STANDARD DRAWING 713.

PORTABLE SIGN AND SUPPORT

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	COREY HERT	PAUL WILHELM	ESH	06/03/2024

TITLE

TRAFFIC CONTROL PLAN
SHOULDER WORK

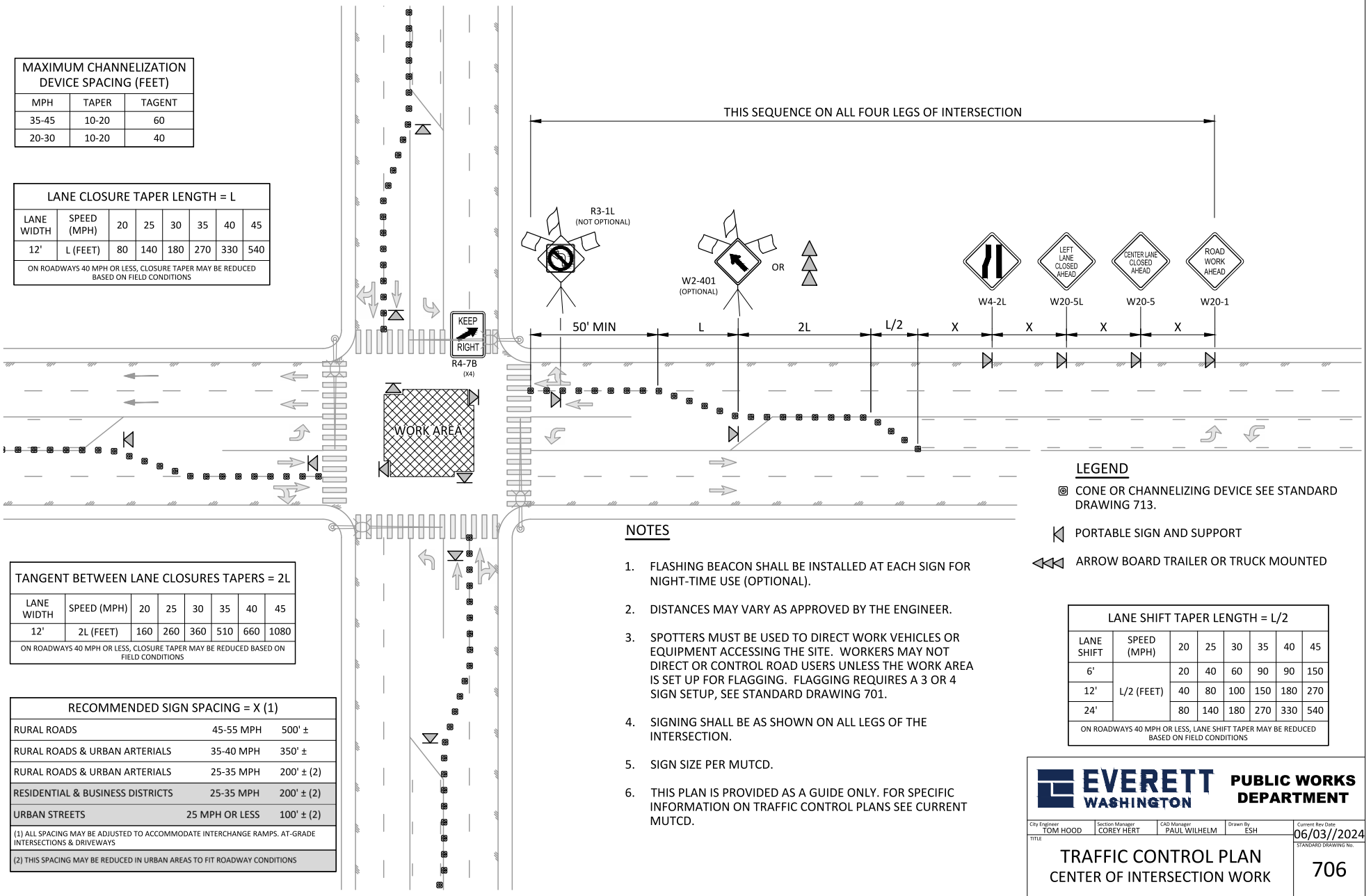
STANDARD DRAWING No.

703

Filename T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD703.DWG

MAXIMUM CHANNELIZATION DEVICE SPACING (FEET)		
MPH	TAPER	TAGENT
35-45	10-20	60
20-30	10-20	40

LANE CLOSURE TAPER LENGTH = L							
LANE WIDTH	SPEED (MPH)	20	25	30	35	40	45
12'	L (FEET)	80	140	180	270	330	540
ON ROADWAYS 40 MPH OR LESS, CLOSURE TAPER MAY BE REDUCED BASED ON FIELD CONDITIONS							



TANGENT BETWEEN LANE CLOSURES TAPERS = 2L							
LANE WIDTH	SPEED (MPH)	20	25	30	35	40	45
12'	2L (FEET)	160	260	360	510	660	1080
ON ROADWAYS 40 MPH OR LESS, CLOSURE TAPER MAY BE REDUCED BASED ON FIELD CONDITIONS							

RECOMMENDED SIGN SPACING = X (1)		
RURAL ROADS	45-55 MPH	500' ±
RURAL ROADS & URBAN ARTERIALS	35-40 MPH	350' ±
RURAL ROADS & URBAN ARTERIALS	25-35 MPH	200' ± (2)
RESIDENTIAL & BUSINESS DISTRICTS	25-35 MPH	200' ± (2)
URBAN STREETS	25 MPH OR LESS	100' ± (2)
(1) ALL SPACING MAY BE ADJUSTED TO ACCOMMODATE INTERCHANGE RAMPS. AT-GRADE INTERSECTIONS & DRIVEWAYS		
(2) THIS SPACING MAY BE REDUCED IN URBAN AREAS TO FIT ROADWAY CONDITIONS		

NOTES

1. FLASHING BEACON SHALL BE INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
2. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
3. SPOTTERS MUST BE USED TO DIRECT WORK VEHICLES OR EQUIPMENT ACCESSING THE SITE. WORKERS MAY NOT DIRECT OR CONTROL ROAD USERS UNLESS THE WORK AREA IS SET UP FOR FLAGGING. FLAGGING REQUIRES A 3 OR 4 SIGN SETUP, SEE STANDARD DRAWING 701.
4. SIGNING SHALL BE AS SHOWN ON ALL LEGS OF THE INTERSECTION.
5. SIGN SIZE PER MUTCD.
6. THIS PLAN IS PROVIDED AS A GUIDE ONLY. FOR SPECIFIC INFORMATION ON TRAFFIC CONTROL PLANS SEE CURRENT MUTCD.

LEGEND

- CONE OR CHANNELIZING DEVICE SEE STANDARD DRAWING 713.
- PORTABLE SIGN AND SUPPORT
- ARROW BOARD TRAILER OR TRUCK MOUNTED

LANE SHIFT TAPER LENGTH = L/2							
LANE SHIFT	SPEED (MPH)	20	25	30	35	40	45
6'	L/2 (FEET)	20	40	60	90	90	150
12'		40	80	100	150	180	270
24'		80	140	180	270	330	540
ON ROADWAYS 40 MPH OR LESS, LANE SHIFT TAPER MAY BE REDUCED BASED ON FIELD CONDITIONS							

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	COREY HERT	PAUL WILHELM	ESH	06/03//2024

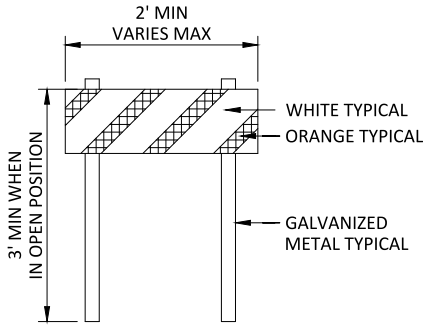
TITLE

TRAFFIC CONTROL PLAN
CENTER OF INTERSECTION WORK

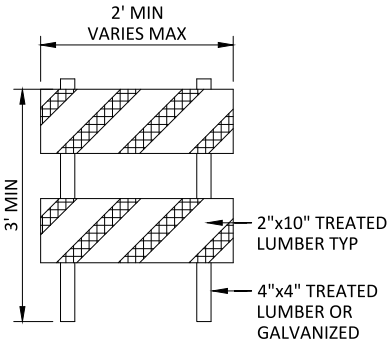
STANDARD DRAWING No.

706

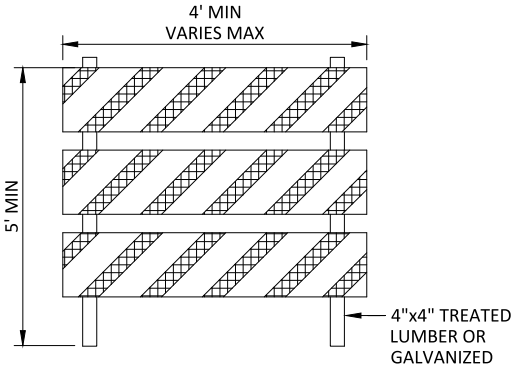
Filename T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD706.DWG



TYPE 1 BARRICADE



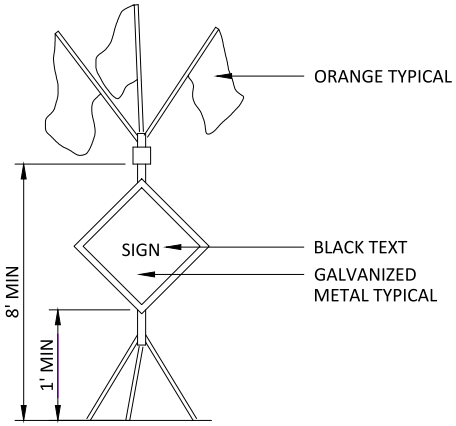
TYPE 2 BARRICADE



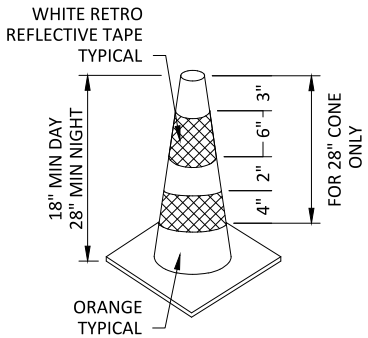
TYPE 3 BARRICADE

NOTES

1. THIS PLAN IS PROVIDED AS A GUIDE ONLY. FOR SPECIFIC INFORMATION ON TRAFFIC CONTROL PLANS SEE CURRENT MUTCD.
2. SEE FIGURE 6F-2 OF THE MUTCD FOR OTHER METHODS OF MOUNTING SIGNS OTHER THAN ON POSTS
3. FOR ADDITIONAL INFORMATION REGARDING BARRICADES AND CHANNELIZING DEVICES SEE FIGURE 6F-4 IN MUTCD



HIGH LEVEL WARNING DEVICE



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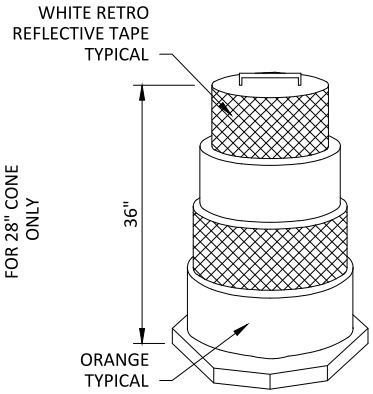
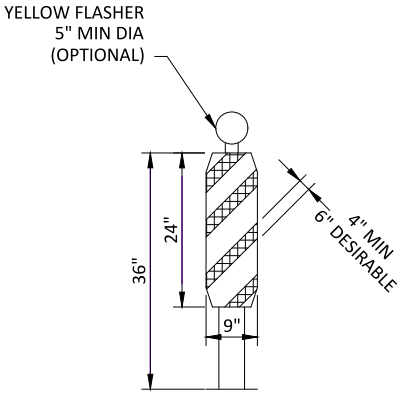
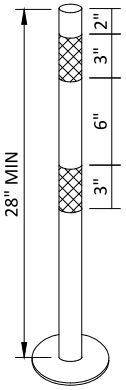


CHANNELIZING DRUM



VERTICAL PANEL



GUIDE POST

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	01/05/2017

TITLE

TRAFFIC CONTROL DEVICES

STANDARD DRAWING No.

713

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD713.DWG
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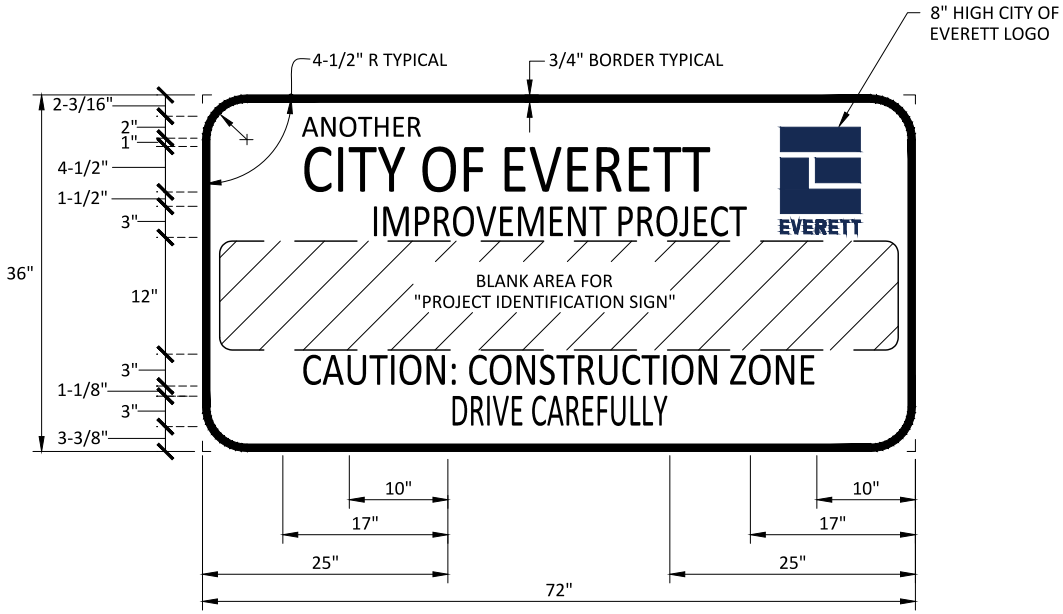
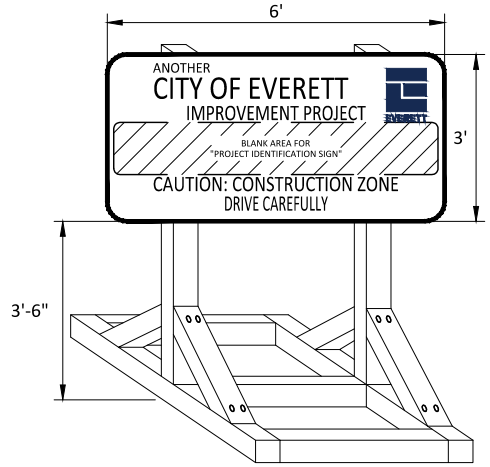
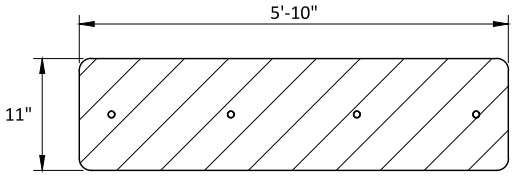


CONSTRUCTION/PROJECT IDENTIFICATION SIGN



CONSTRUCTION SIGN STAND



PROJECT IDENTIFICATION SIGN

NOTES

1. PROJECT INFORMATION SIGN SHALL BE A REMOVABLE METAL PLATE, SHEET ALUMINUM, 0.080 GAUGE, WITH 2 COATS OF INDUSTRIAL GRADE ENAMEL, 1-SHOT, COLOR 101-L WHITE OR EQUAL.
2. LETTERING SHALL BE 1 SHOT, COLOR 144-L MED. GREEN OR EQUAL. INFORMATION TO BE PROVIDED BY THE ENGINEER AND USED ON THE SIGN IN A STYLE AND MANNER CONSISTENT WITH LETTERING ON CONSTRUCTION IDENTIFICATION SIGN.
3. REMOVABLE PORTION OF SIGN SHALL BE ATTACHED TO WOODEN SIGN WITH FOUR(4) 1-1/2"X1/4" STAINLESS STEEL BOLTS WITH NUTS.
4. WOOD FRAME CONSTRUCTED WITH 4"x4" TREATED FIR LUMBER WITH GALVANIZED STEEL LAG BOLTS.
5. USE SANDBAGS ON BASE OF FRAME TO PREVENT OVERTURNING BY WIND GUSTS.
6. FINISHED FRAME TO BE PAINTED WITH WHITE EXTERIOR ENAMEL (2 COATS).
7. SIGN BOARD SHALL BE DURA-PLY, M.D.O. OR EQUAL, WITH 2 COATS OF EXTERIOR PRIMER-SEALER PLUS 2 COATS OF INDUSTRIAL GRADE ENAMEL, 1-SHOT, COLOR 101-L WHITE OR EQUAL. BORDER AND LETTERING SHALL BE 1-SHOT, COLOR 144-L MED. GREEN OR EQUAL FONT STYLE SHALL BE "ARIAL NARROW". LOGO TO BE SUPPLIED BY THE CITY OF EVERETT. SIGN AND COLORS TO BE APPROVED BY THE ENGINEER.
8. "PROJECT INFORMATION SIGN" INFORMATION TO BE PROVIDED BY THE ENGINEER.

EVERETT WASHINGTON **PUBLIC WORKS DEPARTMENT**

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	COREY HERT	PAUL WILHELM	ESH	06/28/2023

TITLE: PROJECT/CONSTRUCTION IDENTIFICATION SIGN

STANDARD DRAWING No. 714

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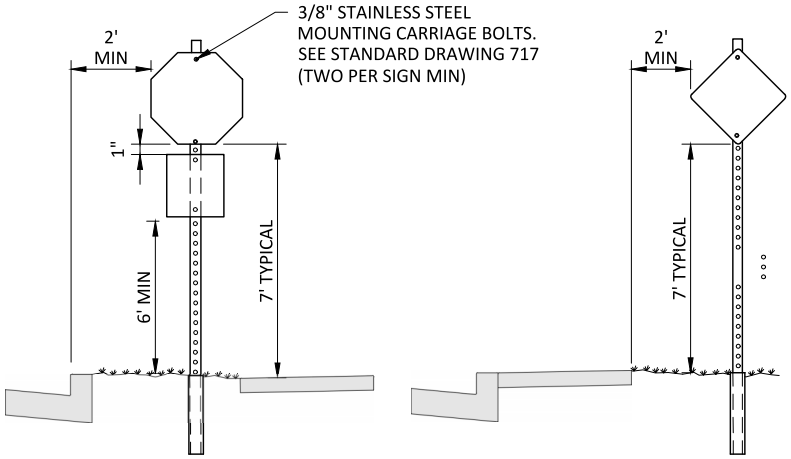
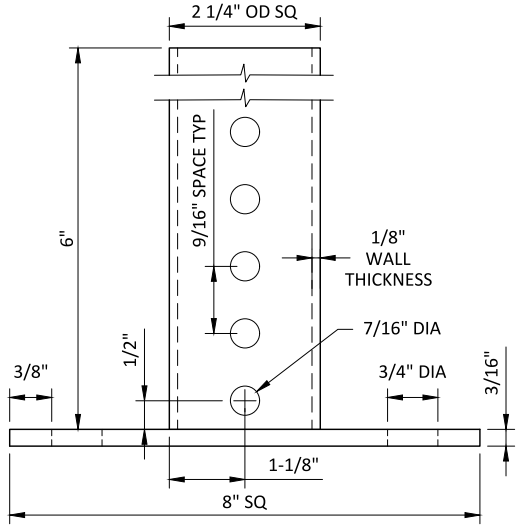


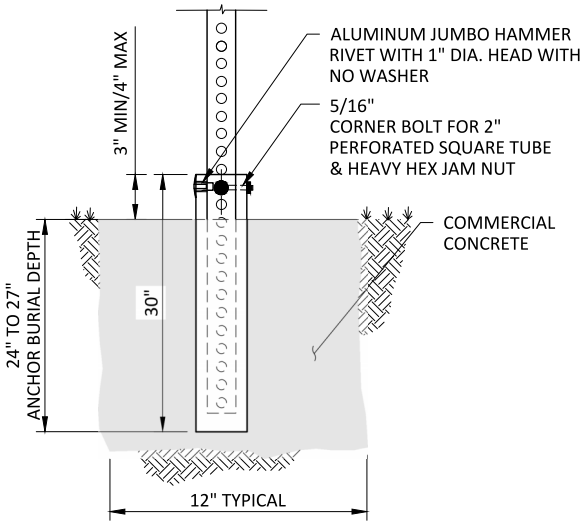
TYPICAL SIGN INSTALLATION HEIGHTS



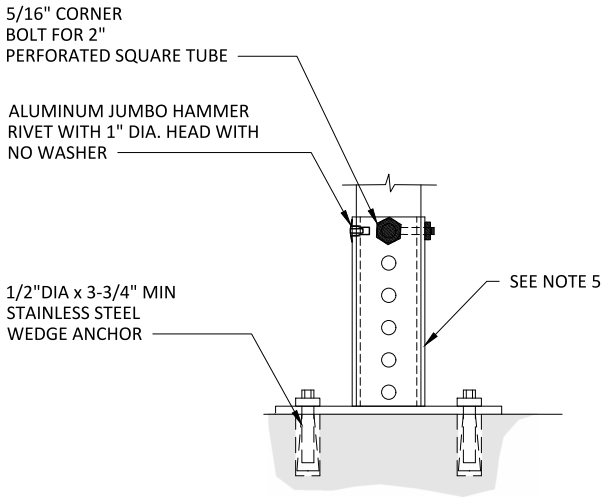
STEEL BASE PLATE SECTION

NOTES

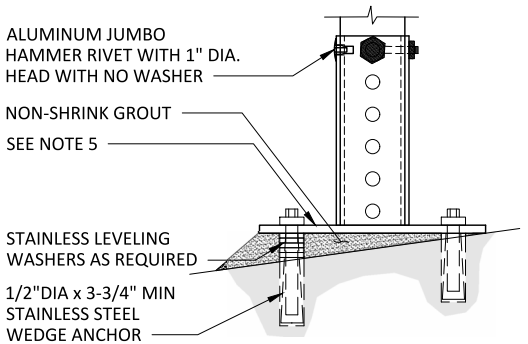
1. STANDARD STOP SIGNS SHALL BE 30"X30" PER MUTCD #R1-1 UNLESS OTHERWISE APPROVED OR DIRECTED BY CITY OF EVERETT TRAFFIC ENGINEER.
2. STREET NAME SIGNS SHALL BE INSTALLED AT TOP OF POST. SEE STANDARD DRAWING 715.
3. ALL NEW SIGN INSTALLATIONS SHALL USE 2" SQUARE TUBE POSTS.
4. ANCHOR MUST NOT PROTRUDE MORE THAN $\frac{1}{4}$" ABOVE THE NUT.
5. ANCHORS PLATES SHALL ONLY BE USED WHERE SHOWN IN THE PLANS OR APPROVED BY THE CITY ENGINEER.
6. STEEL BASE PLATE MUST BE PRIMED WITH "RUSTOLEUM" OR APPROVED EQUIVALENT AND PAINTED WITH TWO COATS OF ALUMINUM HOT DIPPED GALVANIZED OR POWDER COATED TO PREVENT RUSTING, ALL SURFACES.
7. ALL NEW SIGN INSTALLATIONS SHALL USE 2" SQUARE TUBE POSTS.
8. ALL SIGN INSTALLATIONS IN THE PUBLIC RIGHT-OF-WAY SHALL COMPLY WITH MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES REQUIREMENTS IN EFFECT ON THE DATE OF INSTALLATION.



TYPICAL SQUARE POST INSTALLATION SECTION



TYPICAL LEVEL SURFACE ANCHOR PLATE INSTALLATION



TYPICAL SLOPED SURFACE ANCHOR PLATE INSTALLATION

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	03/15/2017

TITLE

TRAFFIC SIGN POST INSTALLATION IN PUBLIC RIGHT-OF-WAY

STANDARD DRAWING No.

716

Filename
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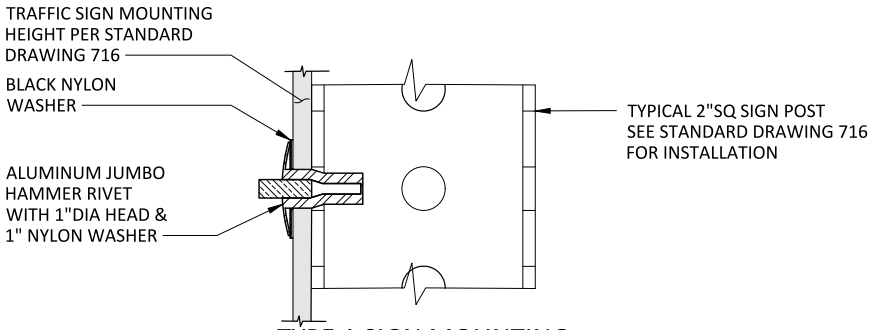
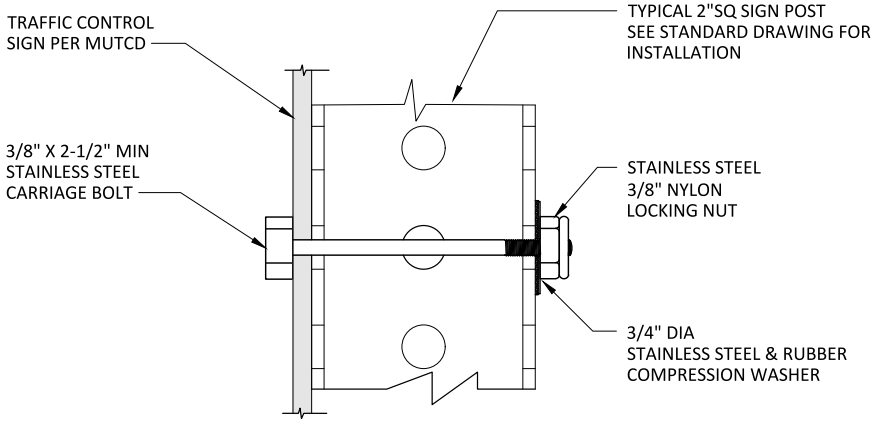
NOTES

1. SIGNS MOUNTED ON WOOD POSTS WILL USE A 3/8" STAINLESS STEEL CARRIAGE BOLT WITH 3/4" X 1/4" STAINLESS STEEL WASHER AND 3/8" STAINLESS STEEL NYLON LOCKING NUT.



TYPE 1 SIGN MOUNTING

2 RIVETS PER SIGN MIN.



TYPE 2 SIGN MOUNTING

2 BOLTS PER SIGN MIN.

Filename
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EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

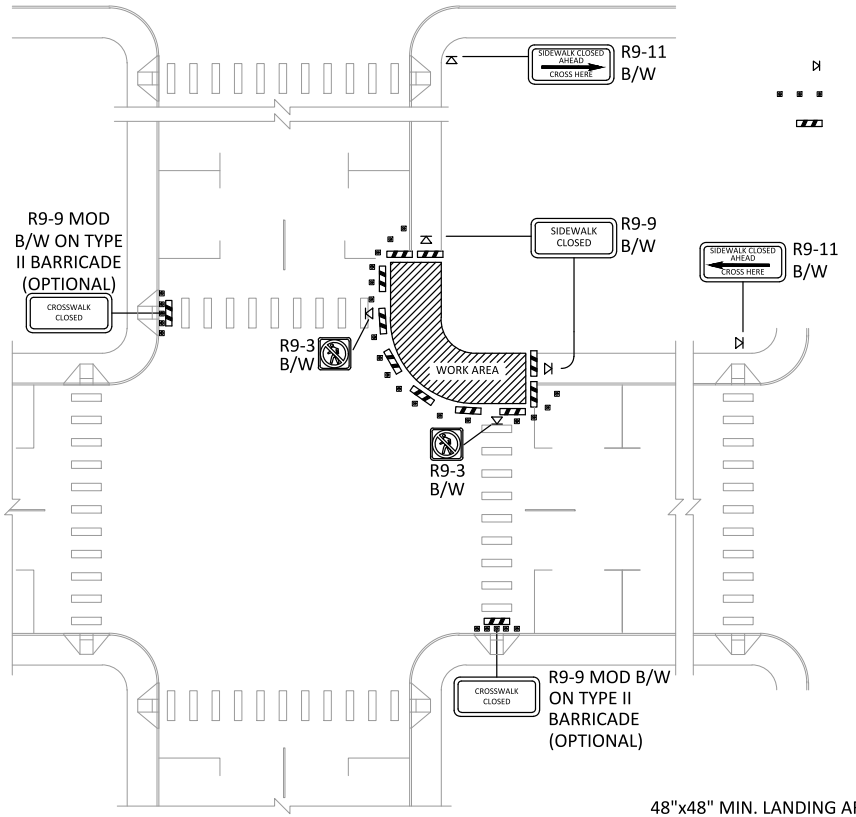
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	04/26/2017

TITLE

TRAFFIC SIGN INSTALLATION IN PUBLIC RIGHT-OF-WAY

STANDARD DRAWING No.

717

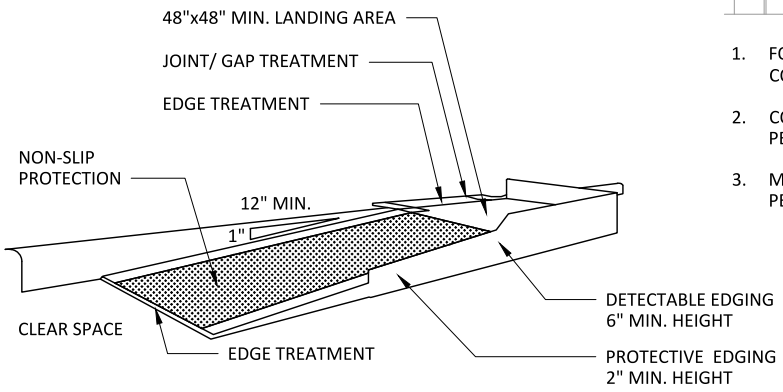


LEGEND

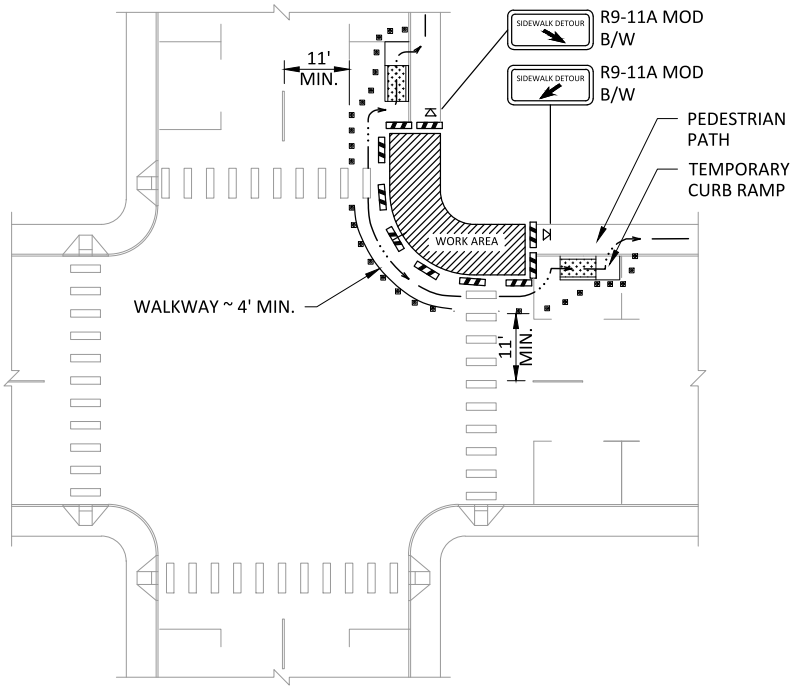
- SIGN LOCATION
- CHANNELIZING DEVICES
- TYPE 2 BARRICADE

1. FOR SIGNS SIZE REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. COVER PEDESTRIAN PUSH BUTTONS AND DISPLAYS WITH BLACK PLASTIC (6 MIL. RECOMMENDED).

CROSSWALK CLOSURE



TEMPORARY CURB RAMP - PARALLEL TO CURB



1. FOR SIGNS SIZE REFER TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. CONTACT SIGNAL OPERATIONS TO PLACE SIGNAL IN PEDESTRIAN RECALL IF BUTTONS ARE NOT ACCESSIBLE.
3. MAINTAIN A MINIMUM WIDTH OF 4 FEET FOR PEDESTRIAN PATH.

SIDEWALK DETOUR

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	BED	08/03/2017

TITLE
PEDESTRIAN CONTROL PLAN
CROSSWALK CLOSURE & SIDEWALK DETOUR

STANDARD DRAWING No.
726

Filename
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EVERETT
WASHINGTON

CITY OF EVERETT, WASHINGTON
PUBLIC WORKS DEPARTMENT

ADDENDUM NO. #1
18th St Pedestrian Improvements
WO 3741
August 22, 2024

Notice to Plan Holders:

This Addendum No. 1 contains the following revisions, additions, deletions, and/or clarifications, is hereby made a part of the plans and specifications (Contract Documents) for the above named project, and shall be taken into consideration by Bidders in submitting their bids.

Bidders shall acknowledge receipt of this Addendum No. 1 in the space provided on the Proposal. Failure to do so may subject the Bidder to disqualification of its bid.

CLARIFICATIONS

Q1: Please confirm that the only STD 414 gas trap that is needed on this project is to be installed inside existing manhole SMH Z02 which proposed 12" CPEP from CB2 outfalls to as shown on sheet C1, and that no other material separators / gas traps are needed anywhere else on this project.

Q1 RESPONSE:

Please see Addendum 1 C1 drawing as this storm system has been reconfigured. There is one gas trap to be installed on this project, it is to be installed on CB3 as shown in Addendum 1 C1 drawing.

Q2: Please confirm that CB2 is the Type 1L catch basin that should be included in Bid Item 23 and that CB's 1 & 3 should be included in Bid Item 24.

Q2 RESPONSE:

Please see drawing Addendum 1 C1 as this storm system has been reconfigured.

Please note the changes to the Addendum 1 Bid Schedule as noted in the Proposal section below.

There are two (2) Type 1L on this project, CB1 and CB2, accounted for in Bid Item #24. There is one (1) 48" Type 2 with Gas Trap, CB3, accounted for in Bid Item #23.

PLANS

Replace drawing C1 with Addendum 1 C1 drawing, dated 8/22/24.

SPECIFICATIONS

Supplement the special provisions with City of Everett general special provision, COE 1-05.8 Autodesk Build for Document Control (August 14, 2024 COE GSP), as pages 12b – 12d.

CONTRACT

Notice to Contractors, second paragraph, strikeout $392,348.^{00}$ and replace with $394,376.^{00}$.

PROPOSAL

Bid Schedule:

- *Item No. 21,* Item Description, strikeout "High-Density Polyethylene (HDPE) Storm Pipe, 12 In. Diam." and replace with "High-Density Polyethylene (HDPE) Storm Pipe, 8 In. Diam."
- *Item No. 21,* Bid Qty, strikeout "32" and replace with "23"
- *Item No. 23,* Item Description, strikeout "Catch Basin, Type 1L with Gas Trap" and replace with "Catch Basin, 48 Inch Type 2 with Gas Trap"

All other requirements of the plans and specifications remain in effect.

This addendum shall be attached to and made a part of the plans and specifications and shall be acknowledged on the bidder's proposal.

Sincerely,

Gina Loring
Project Manager

Attachments: COE 1-05.8 AutodeskBuild_Addendum1.pdf
C1-Addendum1-3741-18th St PED IMP.pdf

Add the following new Section:
(****
1-05.8 AUTODESK BUILD FOR DOCUMENT CONTROL
(August 14, 2024, COE GSP)

Section 1-05.8 of the Standard Specifications is supplemented with the following:

All Contract Document Control will be conducted in the application Autodesk Build and may include any of the following:

1-05.8(1) General Requirements

1.1 Scope:
This specification outlines the requirements for the use of Autodesk Build as the primary platform for construction management activities including Requests for Information (RFIs), submittals for approval, construction schedules, two-week look-ahead, proposed change orders, change orders, and record drawings.
1.2 Software Requirement:
The Contractor shall use Autodesk Build for all specified construction management activities. No alternative apps or software platforms will be accepted unless pre-approved by the Owner. **Owner will provide logins for the Contractor at no additional charge**.

1-05.8(2) Requests for Information (RFIs)

2.1 Submission:
All RFIs shall be submitted through Autodesk Build RFI TOOL.
Each RFI must be clearly labeled with a unique identifier, the date of submission, and the specific location or detail of the construction documents to which it pertains.
2.2 Response Time:
The Owner shall respond to all RFIs within the timeframe specified in the contract documents.

1-05.8(3) Submittals for Approval

3.1 Submission Process:
All submittals shall be uploaded to Autodesk Build SUBMITTAL TOOL for review and approval.
Submittals must include all necessary documents, drawings, and specifications as required by the contract.
3.2 Tracking and Status:
The status of each submittal (e.g., submitted, in review, approved, rejected) shall be tracked within Autodesk Build.
Any comments or required revisions will be communicated through the platform.
The Owner shall respond to all Submittals within the timeframe specified in the contract documents.

1-05.8(4) Construction Schedules

4.1 Initial Schedule:

The Contractor shall transmit the initial construction schedule in MSFT Project native format to the Owner via Autodesk Build CORRESPONDENCE TOOL as an attachment within fourteen (14) working days from the notice to proceed. The Contractor is responsible for developing the schedule in Microsoft Project and updating it as required.

4.2 Updates:

Monthly updates to the construction schedule shall be submitted through Autodesk Build CORRESPONDENCE TOOL.

Rolling short-interval schedules must also be uploaded weekly per 1-05.8(5) below.

1-05.8(5) Short Interval Schedules

5.1 Format and Content:

The Short-Interval Schedules must detail the planned activities, manpower, and equipment for the upcoming two weeks.

It must be submitted weekly in MSFT Excel native format using the Autodesk Build CORRESPONDENCE TOOL and include information pertaining to any anticipated delays or issues.

1-05.8(6) Record Drawings

6.1 Submission:

The Contractor shall maintain the record drawings through Autodesk Build SHEETS.

Record drawings must be updated regularly using the Autodesk Build SHEETS function to reflect as-built conditions and must be complete and accurate.

6.2 Format:

All record drawings shall be submitted in a format compatible with Autodesk Build, ensuring they are clear, legible, and easily accessible.

6.3 Review and Finalization**:**

The record drawings will be reviewed by the Owner for accuracy and completeness. Any discrepancies must be addressed and corrected promptly.

1-05.8(7) Training and Support

7.1 Training:

The Owner will provide one (1) training session to the Contractor and support throughout the duration of the contract.

The Contractor is responsible for ensuring that all relevant personnel are trained in the use of Autodesk Build.

The Contractor shall provide initial training sessions and continuous support as needed.

7.2 Support:

Ongoing technical support for Autodesk Build shall be available to all project participants throughout the duration of the project.

1-05.8(8) Monthly Progress Payments

8.1 Application Process:

All applications for monthly progress payments shall be submitted through Autodesk Build.

Each application must include the appropriate documentation supporting the progress claimed, such as photos, daily logs, and work completion reports.

8.2 Review and Approval:
The Owner will review the submitted progress payment application via Autodesk Build. Any discrepancies or required corrections will be communicated through the platform.

1-05.8(9) Proposed Change Orders

9.1 Submission and Documentation:
All proposed change orders must be submitted through Autodesk Build CORRESPONDENCE function.
Each change order proposal must include a detailed description, justification, and cost breakdown.

9.2 Approval Process:
The proposed change orders will be reviewed and approved or rejected via Autodesk Build CORRESPONDENCE function.

1-05.8(10) Change Orders

10.1 Implementation:
Approved change orders shall be documented and implemented through Autodesk Build. The Contractor must ensure that all relevant change order documentation and schedule impacts are updated to reflect the Change Order.

1-05.8(11) Compliance and Reporting

11.1 Compliance:
The Contractor must ensure full compliance with the use of Autodesk Build as specified.
Regular audits will be conducted to ensure adherence to the platform use requirements.

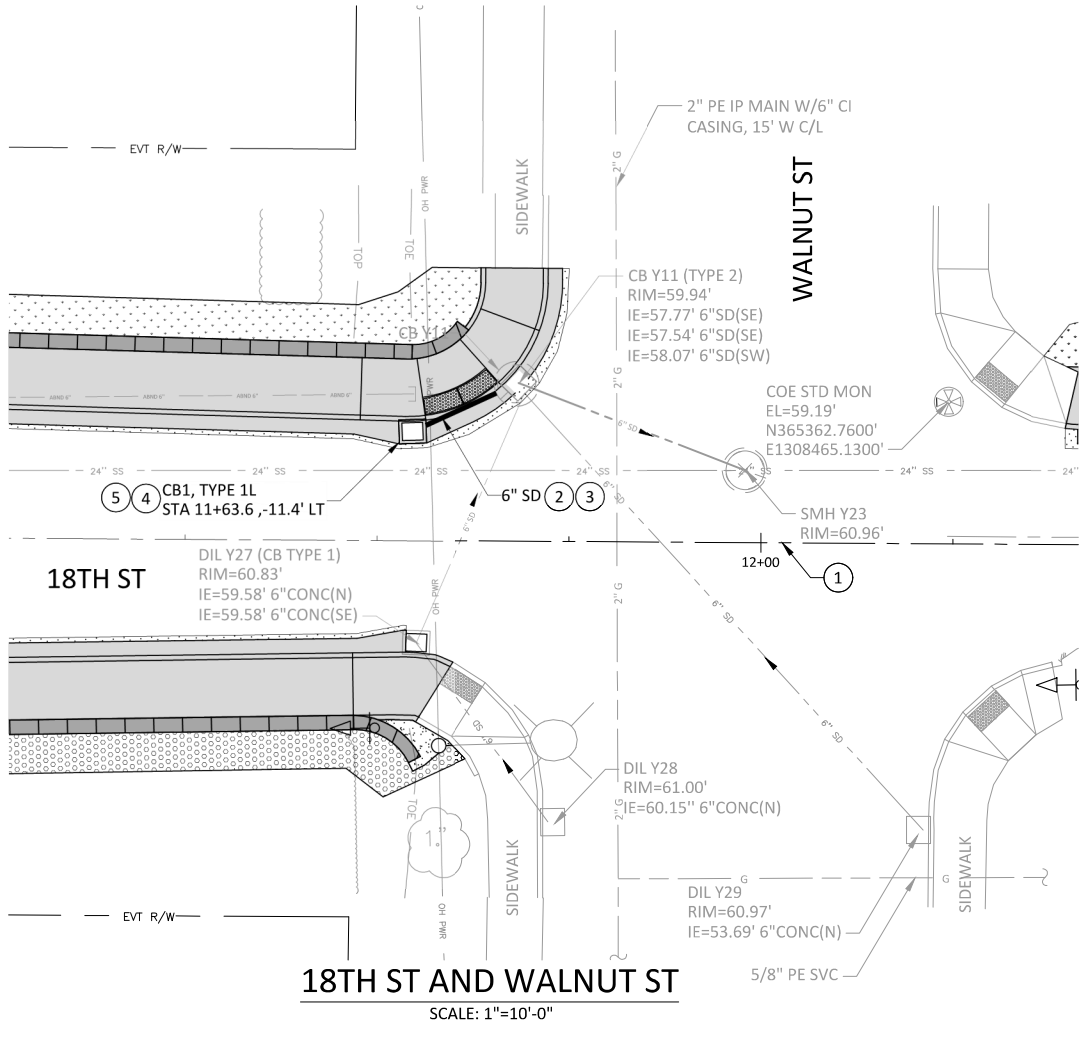
11.2 Reporting:
The Contractor shall generate and submit reports from Autodesk Build as required by the Owner, including but not limited to, progress reports, compliance reports, and issue logs.

1-05.8(12) Data Security and Backup

12.1 Data Security:
All data within Autodesk Build must be protected in accordance with City of Everett standards and project-specific requirements.

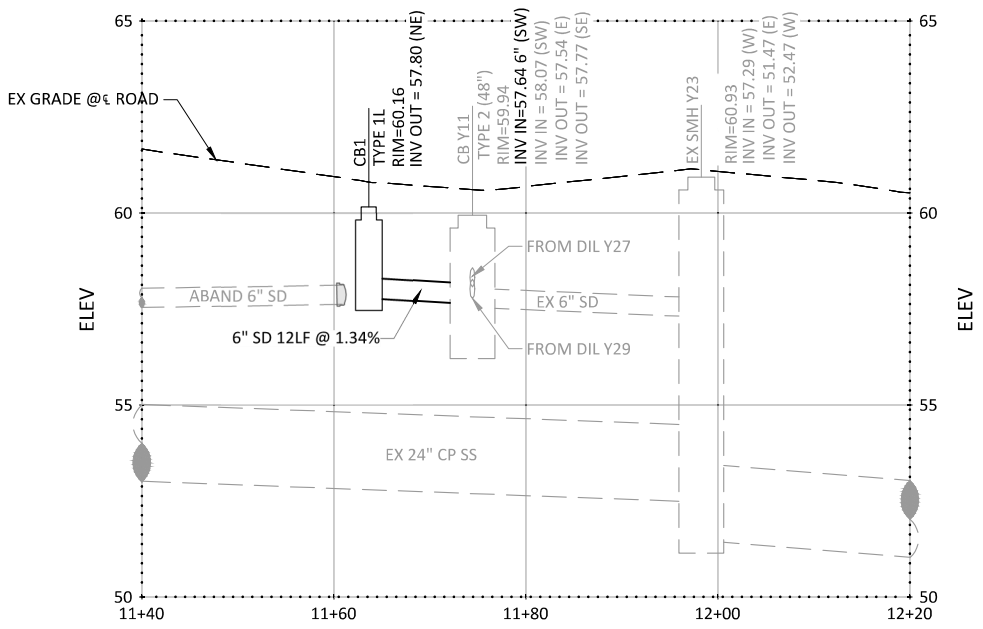
By adhering to these specifications, the Contractor ensures a streamlined, efficient, and transparent construction management process, leveraging the capabilities of Autodesk Build to achieve project goals.

******)**



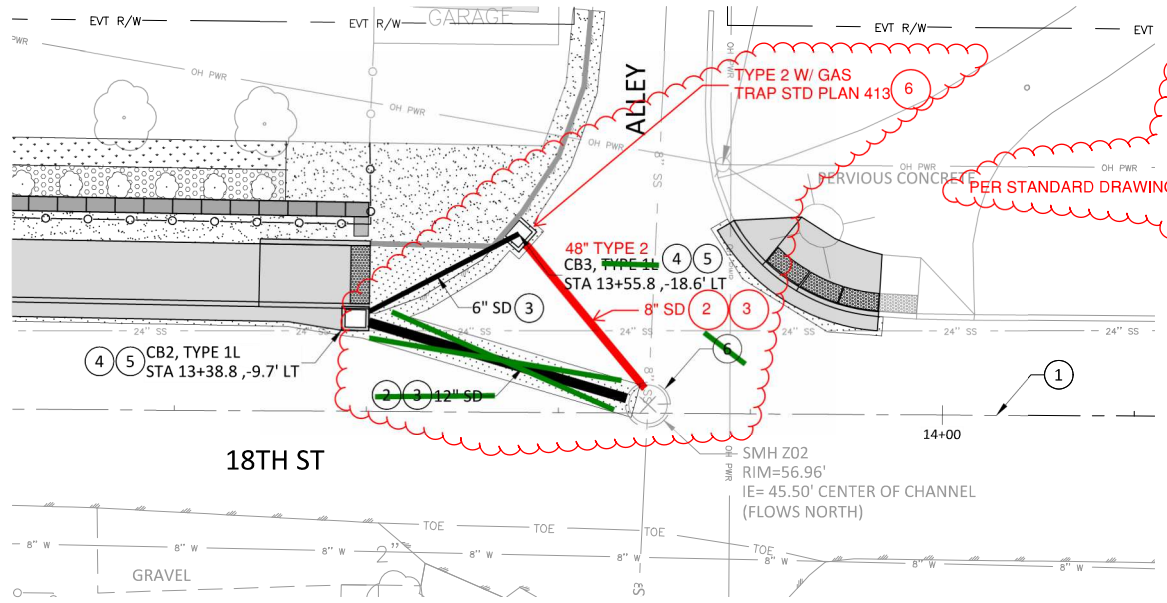
18TH ST AND WALNUT ST

SCALE: 1"=10'-0"



18TH ST PROFILE
STA 11+40 TO STA 12+00

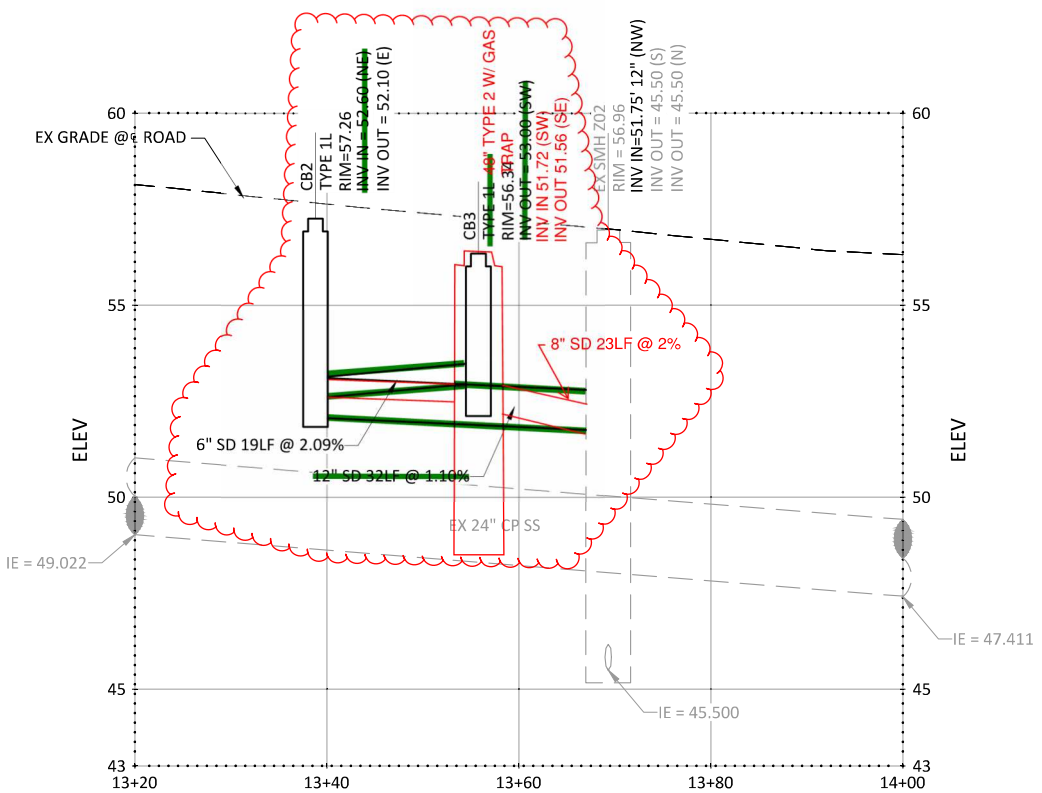
SCALE: HORIZ: 1"=10' VERT:1"=2.5'



ALLEY

(BETWEEN 1731 WALNUT ST AND 3302-18TH ST)

SCALE: 1"=10'-0"



18TH ST PROFILE
STA 13+20 TO STA 14+00

SCALE: HORIZ: 1"=10' VERT:1"=2.5'

STORM DRAINAGE CONSTRUCTION NOTES

1. SEE SURVEY CONTROL PLANS FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
2. CONNECT TO ~~EXISTING CATCH BASIN.~~ EXISTING SMH.
3. INSTALL NEW STORM DRAINAGE PIPE AS INDICATED ON THE PLAN AND PROFILE AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND STD SPECIFICATIONS. EXCAVATE AND BACKFILL TRENCH PER STANDARD DRAWING 614.
4. INSTALL NEW STORM DRAINAGE STRUCTURE AS INDICATED ON THE PLAN AND PROFILE AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND STD SPECIFICATIONS. CATCH BASINS SHALL BE ~~PER STANDARD DRAWINGS 402 AND 403~~. OFFSETS ARE SHOWN TO THE CENTER OF STRUCTURE.
5. TYPICAL FRAME AND VANED GRATE INSTALLATION PER STANDARD DRAWINGS 407 AND 411.
6. ~~CONNECT TO EXISTING MANHOLE AND~~ INSTALL GAS TRAP PER ~~STANDARD DRAWING 414.~~ PER STANDARD DRAWING 413.

STORM DRAINAGE GENERAL NOTES

1. NO PART OF THE DRAINAGE SYSTEM SHALL BE COVERED, CONCEALED, OR PUT INTO USE UNTIL IT HAS BEEN INSPECTED, TESTED, AND ACCEPTED BY THE CITY.
2. ALL STORM SYSTEMS WITHIN THE PUBLIC RIGHT-OF-WAY OR ON PRIVATE PROPERTY MUST BE STAKED BY SURVEY FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION.
3. ALL REQUESTS FOR INSPECTIONS AND FOR WITNESSING TESTS SHALL BE SCHEDULED WITH THE ENGINEER 3 BUSINESS DAYS IN ADVANCE. FAILURE TO GIVE ADEQUATE ADVANCE NOTICE MAY RESULT IN DELAYS TO THE CONTRACTOR FOR REQUIRED INSPECTIONS.
4. TYPE 2 CATCH BASINS OVER 4 FEET IN HEIGHT SHALL BE PROVIDED WITH A LADDER OR STEPS PER STANDARD DRAWING 608 OR 609.
5. ALL PIPES SHALL BE CLEARLY MARKED WITH DIAMETER, TYPE, CLASS AND THICKNESS, AS APPLICABLE. LETTERING SHALL BE LEGIBLE AND PERMANENT UNDER NORMAL CONDITIONS OF HANDLING AND STORAGE.
6. CLEAN AND FLUSH STORM DRAIN LINES WITH CLEAN WATER PRIOR TO TESTING.
7. ALL CATCH BASINS AND INLETS SHALL HAVE STANDARD DIRECTIONAL VANED GRATE PER STANDARD DRAWING 411 UNLESS OTHERWISE NOTED. SOLID COVER SHALL BE PER STANDARD DRAWING 610 FOR TYPE 2 CATCH BASIN.
8. PROTECT ALL EXISTING UTILITIES TO REMAIN.
9. PROTECT ALL INSTALLED PIPES AND STRUCTURES WITH BACKFILL, STEEL PLATES OR OTHER ADEQUATE PROTECTION FROM CONSTRUCTION AND TRAFFIC LOADS PRIOR TO FINAL PAVING.
10. DO NOT ALLOW FLOW OF STORMWATER OR RAW SEWAGE TO ENTER THE TRENCH OR EXCAVATION PIT.
11. AT THE END OF THE WORKDAY AND IN WORK LOCATIONS WHERE THE CONTRACTOR IS NOT PRESENT, ALL OPEN EXCAVATIONS, TRENCHES OR AND STRUCTURES SHALL BE COVERED WITH STEEL PLATES.
12. PROVIDE A MINIMUM 1-FOOT SEPARATION BETWEEN NEW CATCH BASIN AND INLET STRUCTURES AND GAS LINES.

SCALE
10 5 0 10 20
FEET

NO.	DATE	APRVD	
1	08-22-24	GSL	DTE
Δ	MM-DD-YY	INITIALS	

DELETE 12" 32 LF PIPE AND REVERSE FLOW FOR THIS SYSTEM.
CB3 TO BE 48" TYPE 2 CATCH BASIN.
STORM PIPE FROM FROM CB3 > CB2 TO BE 8".
GAS TRAP TO BE INSTALLED AT CB3.
CHANGES TO CONSTRUCTION NOTES 2, 4, AND 6.
CHANGES TO STORM SYSTEM ADDED TO PROFILE.

PLANS ISSUED FOR

BID	7/25/24	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed GSL, ESH
Drawn ESH
Checked DTE
Design Review Level

DANIEL T ENRICO — STATE OF WASHINGTON — 20811 — REGISTERED PROFESSIONAL ENGINEER
Daniel Enrico, P.E.
2024.08.01 10:54:55-07'00'

EVERETT PUBLIC WORKS
3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET
PEDESTRIAN IMPROVEMENTS
WORK ORDER 3741
REGION - 10 | STATE - WA

STORM DRAIN IMPROVEMENTS
ADDENDUM NO. 1

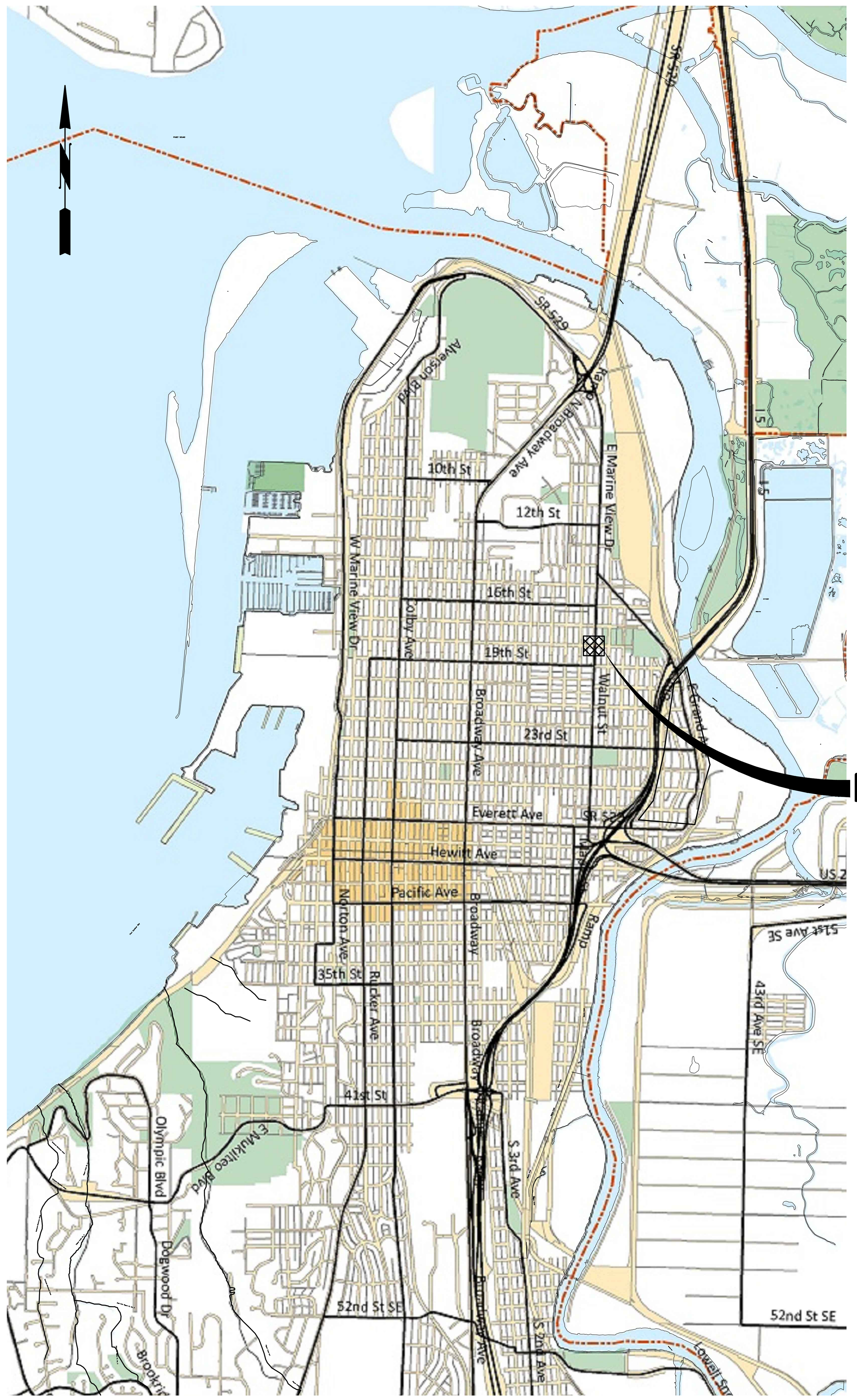
Drawing C1
Sheet No. 5 / 10 Of Total

Surveyed By Date Control Monument City of Everett Field Book/Starting Page /

CITY OF EVERETT

PUBLIC WORKS DEPARTMENT

18TH STREET PEDESTRIAN IMPROVEMENTS



PROJECT SITE

VICINITY MAP

WORK ORDER: 3741

DRAWING INDEX		
SHEET #	DRAWING #	TITLE
G-GENERAL		
1	G1	COVER
2	G2	LEGEND
V-SURVEY & CONTROL		
3	V1	HORIZONTAL CONTROL AND GENERAL PROJECT NOTES
D-DEMOLITION & SITE PREP		
4	D1	DEMOLITION AND SITE PREPARATION
C-CIVIL PLAN SHEETS		
5	C1	STORM DRAIN IMPROVEMENTS
6	C2	SIDEWALK IMPROVEMENTS AND RESTORATIONS
7	C3	1731 WALNUT ST WALL PLAN AND PROFILE
8	C4	1732 WALNUT ST WALL PLAN AND PROFILE
9	C5	1802 WALNUT ST WALL PLAN AND PROFILE
10	C6	SECTIONS AND DETAILS

CITY OFFICIALS:

MAYOR:

CASSIE FRANKLIN

COUNCIL MEMBERS:

COUNCIL PRESIDENT
DON SCHWAB

MARY FOSSE	BEN ZARLINGO
PAULA RHYNE	SCOTT BADER
LIZ VOGELI	JUDY TUOHY

RECOMMENDED FOR APPROVAL :

PROJECT ENGINEER
GINA S. LORING, E.I.T.

TRAFFIC ENGINEER
COREY HERT, P.E.

MAINTENANCE SUPERINTENDENT
GRANT E. MOEN, P.E.

CONSTRUCTION MANAGER
KEITH ALEWINE

APPROVED BY :

CITY ENGINEER
THOMAS W. HOOD, P.E.

PUBLIC WORKS DIRECTOR
RYAN L. SASS, P.E.

EVERETT
WASHINGTON

3741 18TH STREET PEDESTRIAN IMPROVEMENTS

Plot date 7/29/2024 10:11 AM Plotted by Eugene Houtby Last saved by EHoutby Plot style Everett-2016.stb Sheetset Name 3741-18TH ST PED IMP
Filepath\Filename S:\1COMMON\ENGINEERING PROJECTS\3741 18TH STREET PED IMPROVEMENTS\300 CAD-BIM\SHEETS\3741-G1-COVER.DWG

NO.	DATE	APRVD	REVISION

PLANS ISSUED FOR								
BID	7/25/24	GSL	CONST					
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed GSL, ESH
Drawn ESH
Checked DTE
Design Review Level
Issued 7/25/2024

LIFE THREATENING EMERGENCIES: FIRST CALL 911		
CALL	EMERGENCY CONTACTS 24 HR PHONE	FOR:
SNO COUNTY PUD	425-783-4745	ELECTRICAL
PSE (GAS)	1-888-225-5773	GAS LEAKS
CITY OF EVERETT (DISPATCH)	425-257-8832	SS,SD,WATER, TRAFFIC & SIGNAL

CALL TWO (2) BUSINESS DAYS BEFORE YOU DIG 1-800-424-5555

811 Know what's below. Call before you dig.

DANIEL T ENRICO STATE OF WASHINGTON 40811 REGISTERED PROFESSIONAL ENGINEER 8/1/2024

Drawing G1
Sheet No. 1
10 Of Total

PLANS LAYOUT SYMBOLS AND CALLOUTS

SYMBOL	DESCRIPTION (ABBR)
NOTE CALLOUTS	
2	POLE NOTE
5	CONSTRUCTION NOTE
P4	STRIPING NOTE
4	CONDUIT NOTE
27	SIGN NOTE
P4VHM	CABLE TRACE NO.
1	CABLE TRACE NO.
3	PAVEMENT REPLACEMENT NOTE

DATUM
NAD 83/91
NAVD 88

SCALE
20 10 0 20 40
FEET

DETAIL, SECTION & ELEVATION CALLOUTS

ON PLAN SHEETS

B / C502 — SECTION/ELEVATION LETTER — DRAWING WHERE SHOWN
2 / C502 — DETAIL NUMBER

PLAN VIEW TITLE
SCALE: 1"=20'-0"

EVERETT AVE. PROFILE
STA 0+00 TO STA 22+00
SCALE: HORIZ: 1"=20' VERT:1"=5'

ON DETAIL SHEETS

B / C4 — SECTION/ELEVATION LETTER — DRAWING WHERE CUT
POND SECTION
SCALE: N.T.S.

2 / C4 — DETAIL NUMBER
CULVERT END
SCALE: N.T.S.

WITHIN DETAILS

SECTION A-A PLAN DETAIL 1

CITY OF EVERETT STANDARD DETAIL PLAN CALLOUT

AS SHOWN ON PLAN SHEET
506 — CITY OF EVERETT STANDARD DRAWING NUMBER

CITY OF EVERETT STANDARD DETAILS MAY BE REFERRED TO IN PLANS WITH THE USE OF THE ADJACENT CALLOUT. CITY STANDARD DRAWINGS CAN BE FOUND AT EVERETTWA.GOV OR APPEAR IN THE BACK OF PROJECT SPECIFICATION.
WHEN SUCH A DETAIL IS SHOWN IN THE PLAN SET IT BECOMES A PROJECT SPECIFIC DETAIL

BASE MAP SYMBOLS

SURVEY & CONTROL

MONUMENTS & POINTS
- ANGLE POINT (W/ N & E)
- BENCH MARK (W/ BN#, N, E & EL)
- REBAR/IRON PIPE (W/ N & E)
- MONUMENT IN CASE (W/ #, N, E & EL)
- MONUMENT SURFACE (W/ #, N, E & EL)
- SURVEY POINT (PK NAIL, SHINER, TACK ETC)
- SPOT ELEVATION (W/ ELEV)

SECTION DATA
- SECTION CENTER (W/ DNR#, N & E)
- SECTION CORNER (W/ DNR#, N, E, SEC#'S)
- QUARTER CORNER (W/ DNR#, N, E & SEC#'S)
- SIXTEENTH CORNER (#, N & E)
- CLOSING CORNER (W/ DNR#, N, E & SEC#'S)
- MEANDER CORNER (W/ DNR#, N, E & SEC#) — MC

PLAT DATA
- A — PLAT BLOCK NO (W/ #)
- TAX LOT OWNERSHIP TIE
- ? — TAX LOT / PARCEL NUMBER (W/ #)

TOPOGRAPHIC & UTILITY

PIPING
- CAP/PLUG
- GUARD POST (BOLLARD)
- REDUCER
- THRUST BLOCK
- WATER METER
- FIRE HYDRANT
- FIRE DEPT. CONNECTION
- AIR RELIEF
- BLOW-OFF
- VALVE (TYPE=G, W, PIV)
- P.R.V.
- BENDS (11-1/4", 22-1/2", 45", OR 90°)
- FLANGE CONNECTION
- MECHANICAL CONNECTION
- COUPLING
- TEE
- WYE
- CROSS

TYP CALLOUTS
- 8"x6"TEE (FxMJ)
- 3" 22 1/2" BEND (ALL F)
- 8" GV (F)

SS AND SD
- SAN. SEWER CLEAN OUT (NORMAL & IN PAVEMENT)
- MANHOLE (TYPES 1, 2 & 3)
- CATCHBASIN (TYPE 2)
- CATCHBASIN (TYPES 1 & 1P) STORM DRAIN INLET
- CATCHBASIN (TYPE 1L)
- STORM DRAIN CULVERT
- CULVERT TRASH RACK OR OPEN END

VAULTS
- UG VAULTS (TYPE 444LA & 504LA,)
- TY? — UTILITY VAULT (TEL, TLM, SIG, WTR, GAS ETC)

ELECTRICAL
- JUNCTION BOX (TYPE 1, 2, 3 & SPECIAL)
- PAD MOUNTED TRANSFORMER
- TRANSMISSION TOWER
- UTILITY POLE
- UTILITY POLE W/RISER
- UTILITY POLE ANCHOR
- UTILITY POLE SIDEWALK ANCHOR
- STREET LIGHT ON UTILITY POLE
- STREET LIGHT ON SEPARATE POLE
- WALL MOUNTED LIGHT
- TELEPHONE RISER
- YARD LIGHT
- DECORATIVE STREET LIGHT
- ELECTRICAL SERVICE CABINET

SIGNAL
- 6' SQ / 6' DIA — DIPOLE DETECTOR
- DIPOLE DETECTOR (6' x VAR')
- DIPOLE DETECTOR (6' x VAR')
- QUADRUPOLE DETECTOR (6' x VAR')
- BICYCLE DET LOOPS (2' x 12')
- EVP INDICATOR LIGHT
- OPTICOM SENSOR
- SONIC DETECTOR
- PEDESTRIAN SIGNAL HEAD (TYPE E, B & C)
- R/R CROSSING GATE
- CONTROLLER (TYPE 30,332,336,G,M & P)
- TELEMETRY CABINET (24"Wx46"Hx10"D)
- SERVICE CABINETS (ON FOUNDATION OR POLE)
- TRAFFIC SIGNAL POLE (TYPE 2)
- SIGNAL POLE W/LUM (TYPE 3)
- SIGNAL POLE (TYPE 1)
- SIGNAL STRAIN POLE (TYPE 4) (STEEL OR WOOD)
- PEDESTRIAN POLES (TYPE PPB & PS)
- VEHICLE SIGNAL HEAD
- VEHICLE SIGNAL HEAD W/ARROW INDICATOR
- 4 WAY FLASHER

GEOTECHNICAL
- B# — SOIL BORING
- TP# — SOIL TEST PIT
- #__ — PAVEMENT CORING
- NO — MONITORING WELL (TYPE, TOP, DEPTH)

LANDSCAPING
- ROCKERY
- HEDGE
- SHRUB
- BUSH
- TREE (Conifer) W/ & W/O 10'DIA DRIP LINE
- TREE (Deciduous) W/ & W/O 10'DIA DRIP LINE

MISCELLANEOUS
- BUS SHELTER — BUS STOP
- MAIL BOX
- TB — TELEPHONE BOOTH
- EMBANKMENT
- RIP RAP

PAVEMENT MARKINGS
- BIKE PATH
- DISABLED SYMBOL
- H.O.V. LANE SYMBOL
- ONLY — ONLY LEGEND
- STOP — STOP LEGEND
- SCHOOL — SCHOOL LEGEND
- RAILROAD CROSSING
- STRAIGHT ARROW
- LT.RT.STR.ARROW
- LEFT-STRAIGHT ARROW
- RIGHT-STRAIGHT ARROW
- LEFT-RIGHT ARROW
- 2-WAY LEFT TURN
- LEFT TURN ARROW
- RIGHT TURN ARROW

CROSSWALK LINES
- COE (2' x 10')
- DOT
- SNO CTY

RAISED PAVEMENT MARKERS: (RPM)
- LANE MARKERS TYPE I
- LANE MARKERS TYPE II

SIGNS
- ILLUMINATED MASTARM SIGN
- MASTARM ST NAME SIGN
- MASTARM MOUNTED SIGN
- SIGN W/ & W/O SINGLE POST
- SIGN W/TWO POSTS
- SIGN ON SN BRIDGE
- ST NAME INTX SIGN
- TYPE 1, 2 OR BARRICADE
- SINGLE OR DOUBLE SIDED
- TEMP W/ BASE

TEXT SYMBOLS

Ø	PHASE, DIAMETER
&	AND
'	FEET, MINUTES
"	INCHES, SECONDS
°	DEGREE

STANDARD ABBREVIATIONS

A

AB	ANCHOR BOLT
ABBR	ABBREVIATION
ABAND	ABANDONED
ABUT	ABUTMENT
ACT	ACTUAL
ADD	ADDENDUM, ADDITION
ADJ	ADJUST
AFF	ABOVE FINISH FLOOR
AH	AHEAD
ALT	ALTERNATE
ALY	ALLEY
AMEND	AMENDMENT
AP	ANGLE POINT
APPROX	APPROXIMATELY
APWA	AMERICAN PUBLIC WORKS ASSOC
ARCH	ARCHITECTURE
ARV	AIR RELIEF VALVE
ASPH	ASPHALT
AUX	AUXILIARY
AVE	AVENUE
AVAR	AIR VACUUM, AIR RELEASE
AVG	AVERAGE
AWG	AMERICAN WIRE GAUGE RD

B

B	BLACK
BC	BLOCK CORNER
BITUM	BITUMINOUS
BK	BACK
BL	BLOCK
BLDG	BUILDING
BLVD	BOULEVARD
BLK	BLOCK
BOC	BACK OF CURB
BOW	BACK OF WALK
BOL	BOLLARD
BM	BENCH MARK
BOC	BACK OF CURB
BOL	BOLLARD
BOT	BOTTOM
BOW	BACK OF WALK
BRDG	BRIDGE
BRG	BEARING
BRK	BREAK
BTWN	BETWEEN

C

C	CONDUCTOR
CAP	CAPACITY
CB	CATCH BASIN, CABLE
CB1	CATCH BASIN TYPE 1
CB2	CATCH BASIN TYPE 2
CC	CENTER TO CENTER
CCb	COAXIAL CABLE
CCd	CONTROL CONDUIT
CCG	CONCRETE CURB & GUTTER
CCL	CREEK CENTER LINE
CD	CONDUIT
CGC	CURB & GUTTER
CHG	CHANGE
CHK	CHECK
CI	CAST IRON
CICL	CAST IRON CONCRETE LINED
CIP	CAST IN PLACE
CIR	CIRCUIT, CIRCLE
CJ	CONSTRUCTION JOINT
CLY	CLAY
CLF	CHAIN LINK FENCE
C/L, CL	CENTERLINE
CLR	CLEARANCE, CLEAR
CLS	CLASS, CHLORINE SOLUTION
CMP	CORRUGATED METAL PIPE CONC
CMU	MASONRY UNIT
CND	CONDUIT
CNTY	COUNTY
CO	CLEAN OUT
COE	CITY OF EVERETT
COL	COLUMN
COM	COMMON
COMM	COMMUNICATE
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCT
CONT	CONTINUED, CONTINUOUS
COOR	COORDINATE
COP	COPPER
COR	CORNER
CORR	CORRUGATED
CRN	CROWN OF ROAD
CS	COMBINED SS & SD SYSTEM
CT	CENTER
CTR	COURT
CU	CUBIC
CULV	CULVERT
CYL	CYLINDER

D

D	DEPTH, DIPOLE
DB	DIRECT BURIAL CABLE
DBL	DOUBLE
DCL	DITCH CENTERLINE
DE	DE ENERGIZE
DEG	DEGREE
DET	DETAIL
DI	DUCTILE IRON
DIA	DIAMETER
DIAPH	DIAPHRAGM
DIR	DIRECTION
DN	DOWN
DR	DRAIN, DRIVE
D/L	DAYLIGHT
DW, D/W	DRIVEWAY
DWG	DRAWING

E

E	EAST, ELECTRICAL
EA	EACH
ECb	ELECTRICAL CABLE
ECC	ECCENTRIC
EG	EXISTING GROUND/GRADE
EF	EACH FACE
EL	EASEMENT LINE
ELB	ELBOW
ELJB	ELECTRICAL JB
ELEV	ELEVATION
EMH	ELECTRICAL MH
ENCL	ENCLOSE
ENG	ENGINE
ENGR	ENGINEER
EMB	EMBANKMENT
EO	EDGE OF
EOA	EDGE OF ASPHALT
EOC	EDGE OF CONCRETE
EOD	EDGE OF DIRT
EOG	EDGE OF GRAVEL
EP	EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EV	ELECTRICAL VAULT
EVP	EMERGENCY VEH PRE-EMPTION
EW	EACH WAY
EX, EXIST	EXISTING
EXC	EXCAVATION
EXT	EXTERIOR, EXTENSION, EXTRUDED
EVT	EVERETT

F

F, FLG	FLANGE
FAB	FABRICATE
FND	FOUNDATION
FF	FAR FACE, FIN FLOOR
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIG	FIGURE
FIN	FINISH, FINISHED
FL	FOG LINE
FLD	FIELD
FLT	FILTER
FLX	FLEXIBLE
FM	FROM, FORCE MAIN
FNC	FENCE
FOC	FACE OF CURB
FOG	FOG LINE
FOW	FACE OF WALL
FP	FULL PENETRATION, FLAG POLE
FT	FEET/FOOT
FTG	FOOTING
FWD	FORWARD
FWPS	FINISHED WATER PUMP STATION
FWY	FREEWAY

G

G	GAS LINE, GREEN
GA	GAUGE
GALV	GALVANIZED
GARG	GARAGE
GB	GREEN W/BLACK TRACER GRAVEL
GDWY	DRIVEWAY
GE	GRATE ELEVATION
GEN	GENERATOR
GL	GAS METER
GV	GALV IRON
GL	GUTTER LINE, GLASS
GLV	GLOBE VALVE
GM	GAS METER
GR	GUARD RAIL
GRD	GROUND
GV	GAS VALVE
GVL	GRAVEL
GVT	GAS VAULT

H

H	HEIGHT
H-T	HUB & TACK
HAP	HORIZONTAL ANGLE POINT
HD	HEAD
HDCP	HANDICAP SYM
HDG	HOT DIPPED GALV
HI	HEIGHT OF INSTRUMENT
HORIZ	HORIZONTAL
HPS	HIGH PRESSURE SODIUM
HSB	HIGH STRENGTH BOLT
HSE	HOUSE
HT	HEIGHT
HTS	HEIGHTS
HW	HOT WATER
HWY	HIGHWAY
HYDR	HYDRAULIC

I

I	IRON
ID	INSIDE DIAMETER
IDENT	IDENTIFICATION
IE	INVERT ELEV
IF	INSIDE FACE
IL	INLET
ILLUM	ILLUMINATE
IMSA	INTERNATIONAL MUNICIPAL SIGNAL ASSOC
IN	INCH/INCHES
INCL	INCLUDE
INCR	INCREASE
IND	INDICATOR
INDUCT	INDUCTANCE
INST	INSTALL, INSTRUMENT
INSUL	INSULATION
INT	INTERSECTION, INTERNAL
INV	INVERT, INVERSE
IP	IRON PIPE
IS	ISLAND
ITE	INSTITUTE OF TRANSPORTATION ENGINEERING

J

JNX	JUNCTION
JB	JUNCTION BOX
JCT	JUNCTION
JT	JOINT

K

KG	KILOGRAM
KHZ	KILOHERTZ
KM	KILOMETER
KV	KILOVOLT
KW	KILOWATT
KWH	KILOWATT HOUR

L

L	LENGTH OF ARC, TRAFFIC DETECTION LOOP
LAB	LABORATORY
LAT	LATERAL, LATITUDE
LBS	POUNDS
LF	LINEAL FOOT/FEET
LIM	LIMIT
LK	LAKE
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL, LONGITUDE
LP	LIGHT POLE, LAMP
LT	LEFT
LUMIN	LUMINAIRE
LWR	LOWER

M

M	METER
MA	TRAFFIC DETECTION MAGNETOMETER
MACH	MACHINE
MAINT	MAINTENANCE
MATL	MATERIAL
MAX	MAXIMUM
MB	MAILBOX
MC	MEANDER CORNER
MECH	MECHANICAL
MED	MEDIUM
MER	MERIDIAN
MFR	MANUFACTURE
MH	MANHOLE
MHHW	MEAN HIGHER HIGH WATER
MHT	MEAN HIGH TIDE
MHW	MEAN HIGH WATER
MIC	MONUMENT IN CASE
MID	MIDDLE
MIL	MILITARY
MIN	MINIMUM, MINUTE
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
MK	MARK
ML	MATCH LINE
MLLW	MEAN LOWER LOW WATER
MLT	MEAN LOW TIDE
MLW	MEAN LOW WATER
MOD	MODIFICATION
M/L	MONUMENT LINE
MLCSP	MORTAR LINED AND COATED STEEL PIPE
MLTCS	MORTAR LINED TAPE COATED STEEL PIPE
MLECSP	MORTAR LINED EPOXY COATED STEEL PIPE
MON	MONUMENT
MPOC	MIDPOINT ON CURVE
MSNRY	MASONRY
MT	MEAN TIDE
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

N

N	NORTH
NA	NOT APPLICABLE
NEG	NEGATIVE
NAUT	NAUTICAL
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOC
NEUT	NEUTRAL
NF	NEAR FACE
NIC	NOT IN CONTRACT
NOM	NOMINAL
NTS	NOT TO SCALE
NO	NUMBER

O

O	ORANGE
OB	ORANGE W/BLACK TRACER
O-XING	OVERHEAD CROSSING
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OVERHEAD
OHP	OVERHEAD POWER
OHW	ORDINARY HIGH WATER
OL	OVERLAP PHASE
OPNG	OPENING
OPP	OPPOSITE
OPR	OPERATE
OPT	OPTIC
OT	OVERHEAD TELEPHONE
OZ	OUNCE

P

P	POLE, POWER
PAR	PARALLEL
PC	POINT OF CURVATURE
PCC	PT OF COMPOUND CURVE
PD	PERFORATED DRAIN LINE
PE	PLAIN END
PED	PEDESTRIAN
PERM	PERMANENT
PERP	PERPENDICULAR
PH	PHASE
PI	POINT OF INTERSECTION
PKWY	PARKWAY
PL	PLASTIC, PLATE, PLACE
POA	POLE ORIENTATION ANGLE
POC	POINT ON CURVE
POS	POSITIVE, POSITION
PPB	PEDESTRIAN PUSH BUTTON
PPBP	PEDESTRIAN PUSH BUTTON POST
PR	PAIR
PRC	PT OF REVERSE CURVE
PROJ	PROJECT
PROP	PROPERTY
PRV	PRES REDUCING VALVE
PSI	POUNDS PER SQ. IN.
PT	POINT OF TANGENCY, PT
PUD	PUBLIC UTILITY DISTRICT NO.1 OF SNOHOMISH COUNTY
PV	POWER VAULT
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENT
P/C	PRECAST
P/L	PROPERTY LINE
P/S	PRESTRESSED
P/T	POST-TENSIONED
PWR	POWER

Q

Q	QUADRUPLE
QC	QUARTER CORNER
QT	QUART
QTR	QUARTER
QTY	QUANTITY
QUAD	QUADRANT, QUADRANGLE
QUAL	QUALITY

R

R	RADIUS, RED, RIVER
RA	RAISED
R-C	REBAR & CAP
RC	REINF CONC
RCKY	ROCKERY
RCP	REINF CONC PIPE
RB	RED W/ BLACK TRACER
RD	ROAD, ROUND
RECD	RECEIVED
RECT	RECTANGLE
REF	REFERENCE
REG	REGULAR
REINF	REINFORCED
REM	REMOVE, REMOVED
REPL	REPLACE, REPLACED
REQ	REQUIRED
RET	RETAINING
RETW	RETAINING WALL
RIV	RIVER
RLD	ROLLED
RMC	RIGID METAL CD
RPT	REPORT
RR	RAILROAD
RRCS	RR CROSSING SIG
RRG	RR CROSSING GATE
RRC	RR CROSSING
RT	RIGHT
R/W	RIGHT OF WAY

S

S	SOUTH, SLOPE
SAN	SANITARY
SB	SOIL BORING, SOUTH BOUND
SC	SECTION CORNER
SCb	SHIELDED CABLE
SCC	CLOSE CORNER
SCCP	STEEL CONCRETE CYLINDER PIPE
SCEM	CENTER OF SECTION
SCHED	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SE	SPOT EL/SOUTHEAST
SEC	SECOND
SECT	SECTION
SEG	SEGMENT
SEP	SEPARATE
SERV	SERVICE
SEW	SEWAGE
SHLD	SHIELDED
SHLDR	SHOULDER
SHT	SHEET
SIG	SIGNAL
SIM	SIMILAR
SL	SPAN LENGTH, SECTION LINE
S/L	SURVEY LINE
SLJB	STREET LIGHTING JB
SLP	SLOPE
SLS	STAINLESS STEEL
SLV	SLEEVE
SM	SMALL
SN	SIGN
SOV	SHUT-OFF VALVE
SP	SINGLE SHIELDED PAIR
SPA	SPACE, SPACES
SPC	SINGLE SHIELDED TWISTED PAIR CABLE
SPCb	PAIRS IN SINGLE CABLE
SPEC	SPECIFICATIONS
SR	STATE ROUTE
SQ	SQUARE
SS	SANITARY SEWER, STAINLESS STEEL
SSCO	SS CLEANOUT
SSMH	SS MANHOLE
ST	STREET
STA	STATION
STD	STANDARD
STIR	STIRRUP
STN, STL	STAINLESS STEEL
STPS	STEPS
STR	STREAM
STL	STEEL
SUB	SUBSTITUTE
SUR	SURFACE
SURV	SURVEY
SVL	SURVEY LINE
SW, S/W	SIDEWALK
SYM	SYMBOL, SYMMETRICAL
SYS	SYSTEM

T

T	TOP, TAN, TOPO
TB	THRUST BLOCK
TAN	TANGENT
T&B	TOP & BOTTOM
TBM	TEMP. BENCH MARK
TCb	BURIED TELEPHONE CABLE
TEBO	TELEPHONE BOOTH
TEL	TELEPHONE
TEMP	TEMPORARY
TESC	TEMP EROSION & SEDIMENTATION CONTROL
TJB	TELEPHONE JB
TK	THICKNESS
TMH	TELEPHONE MH
TOC	TOP OF CURB
TOE	CONCAVE SLOPE BREAK
TOP	CONVEX SLOPE BREAK
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB
TOW	TOP OF WALL
TP	TWISTED PAIRS, TEST PIT
TPOL	TRAFFIC SIGNAL POLE
TRAN	TRANSITION
TR	TRAFFIC, TELEPHONE RISER
TRJB	TRAFFIC SIGNAL JB
TS	TEST STATION
TSD	TRAFFIC SN DOUBLE POST
TSS	TRAFFIC SN SINGLE POST
TUN	TUNNEL
TV	TELEVISION
TWST	TWISTED
TYP	TYPICAL

U

UDS	UTILITY DUCT SYSTEM
UNGD	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
UG	UNDERGROUND
UP	UTILITY POLE
UPA	UTILITY POLE ANCHOR

V

V	VALVE
VAR	VARIES
VB	VALVE BOX, VAPOR BARRIER
VEH	VEHICLE
VERT	VERTICAL
VLT	VAULT
VP	VENT PIPE
VPC	VERTICAL CURVE PC
VPCC	VERTICAL CURVE PCC
VPI	VERTICAL CURVE PI
VPRC	VERTICAL CURVE PRC
VPT	VERTICAL CURVE PT

W

W	WEST, WATER LINE, WALK, & WHITE
W/	WITH
WB	WHITE W/BLACK TRACER
WC	WITNESS CORNER
WCR	WHEEL CHAIR RAMP
WFP	WATER FILTRATION PLANT
WGV	WATER GATE VALVE
WHSE	WAREHOUSE
WK	WALK
WM	WATER METER, WATERMAIN
W/O	WITHOUT
WO	WORK ORDER
WP	WORK POINT
WS	WATER SURFACE
WSDOT	WA DEPT OF TRANS
WT	WATTS, WEIGHT
WV	WATER VALVE
WW	WING WALL
WWM	WELDED WIRE MESH

X

X-BM	CROSS BEAM
X-RD	CROSS ROAD

Y

Y	YELLOW
YD	YARD

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▷	MM-DD-YY	INITIALS	REVISION

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BID			CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD
	7/25/24	GSL						

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Drawn ESH
Checked DTE
Design Review Level

DANIEL T. ENRICO — STATE OF WASHINGTON — 20811 — REGISTERED PROFESSIONAL ENGINEER
Daniel Enrico, P.E.
2024.08.01 10:54:54-07'00'

EVERETT PUBLIC WORKS
3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET
PEDESTRIAN IMPROVEMENTS
WORK ORDER 3741
REGION - **10** / *STATE* - **WA**

LEGEND

G2
2 / 10

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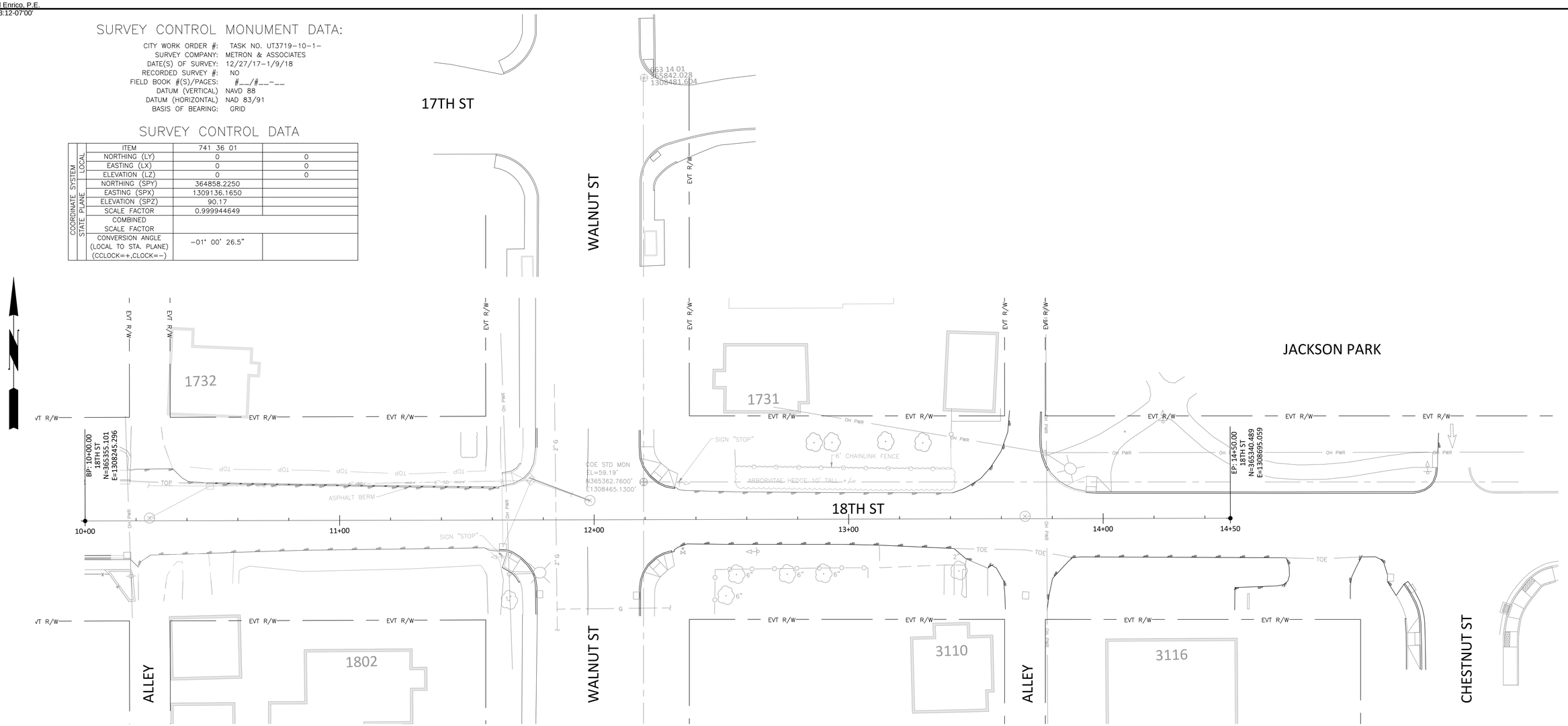
SURVEY CONTROL MONUMENT DATA:

CITY WORK ORDER #: TASK NO. UT3719-10-1-
SURVEY COMPANY: METRON & ASSOCIATES
DATE(S) OF SURVEY: 12/27/17-1/9/18
RECORDED SURVEY #: NO
FIELD BOOK #(S)/PAGES: #__/#__-__
DATUM (VERTICAL) NAVD 88
DATUM (HORIZONTAL) NAD 83/91
BASIS OF BEARING: GRID

SURVEY CONTROL DATA

COORDINATE SYSTEM		ITEM	741 36 01	
LOCAL		NORTHING (LY)	0	0
		EASTING (LX)	0	0
		ELEVATION (LZ)	0	0
STATE PLANE		NORTHING (SPY)	364858.2250	
		EASTING (SPX)	1309136.1650	
		ELEVATION (SPZ)	90.17	
		SCALE FACTOR	0.999944649	
		COMBINED SCALE FACTOR		
		CONVERSION ANGLE (LOCAL TO STA. PLANE) (CCLOCK=+,CLOCK=-)	-01° 00' 26.5"	

Surveyed By
Date
Control Monument
City of Everett Field Book/Starting Page



GENERAL PROJECT NOTES

1. ALL WORK AND MATERIAL SHALL CONFORM TO THE CITY OF EVERETT DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, THE WSDOT/APWA STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (CURRENT EDITION, 2024), THE PROJECT PLANS, SPECIFICATION AND SPECIAL PROVISIONS.
2. A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH THE CITY PRIOR TO THE START OF CONSTRUCTION.
3. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES (TESC) SHALL BE IN PLACE AND OPERATING PRIOR TO DEMOLITION AND CONSTRUCTION ACTIVITIES. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY THE CITY DEPENDING ON SITE AND WEATHER CONDITIONS.
4. DO NOT ALLOW SEDIMENT LADEN WATERS TO ENTER THE COMBINED SEWER SYSTEM.
5. APPROXIMATE LOCATIONS OF EXISTING UTILITIES HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND ARE SHOWN FOR CONVENIENCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF LOCATIONS OF EXISTING UTILITIES AND TO AVOID DAMAGE TO ANY ADDITIONAL UTILITIES SHOWN. IF CONFLICTS WITH EXISTING UTILITIES ARISE, THE CONTRACTOR SHALL NOTIFY THE CITY IMMEDIATELY AND ANY CHANGES REQUIRED SHALL BE APPROVED BY THE ENGINEER PRIOR TO COMMENCEMENT OF RELATED CONSTRUCTION ON THE PROJECT.
6. THE CONTRACTOR SHALL PROTECT ALL AREAS OUTSIDE THE WORK ZONE AND OUTSIDE THE RIGHT-OF-WAY FROM DISTURBANCE. ALL DISTURBED AREAS SHALL BE FULLY RESTORED TO PROPOSED OR PRE-EXISTING CONDITIONS.
7. AN APPROVED SET OF CONSTRUCTION PLANS FOR ALL WORK SHALL BE KEPT ON THE CONSTRUCTION SITE AT ALL TIMES. IN ADDITION, A COPY OF THE CURRENT CITY OF EVERETT DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS SHALL ALSO BE AVAILABLE AT THE CONSTRUCTION SITE.
8. TEMPORARY PAVEMENT PATCH SHALL BE ACCOMPLISHED BY USING COLD MIX, ATB OR STEEL PLATES.
9. WHERE EXISTING PAVEMENT, CURBS, SIDEWALKS, DRIVEWAYS, OR LANDSCAPE FEATURES ARE NOT INDICATED TO BE REMOVED/REPLACED, THE CONTRACTOR SHALL IMPLEMENT MEASURES TO PROTECT AND MAINTAIN EXISTING CONDITIONS. IF DAMAGED DURING CONSTRUCTION, THE CONTRACTOR SHALL REPLACE OR RESTORE AT THE CONTRACTOR'S EXPENSE.
10. EXISTING WATER SERVICES AND SIDE SEWERS SHOWN ARE BASED ON CITY GIS DATA AND ARE APPROXIMATE ONLY. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION.
11. INSTALLATION OF RELOCATED SIGNPOSTS SHALL BE PER STD DRAWINGS. LOCATION OF RELOCATED SIGNS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLING.
12. BACKFILL IN LANDSCAPED AREAS WITH NATIVE MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
13. CONTRACTOR TO PROVIDE STREET CLEANING IN ACCORDANCE WITH SP2-08.

KEY NOTES

BP ● = BEGIN POINT
EP ● = END POINT

20 10 0 20 40
FEET

NO.	DATE	INITIALS	REVISION DESCRIPTION
7	MM-DD-YY		

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BID			CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD
	7/25/24	GSL						

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Drawn ESH
Checked DTE
Design Review Level

DANIEL T. ENRICO — STATE OF WASHINGTON — 40811 — REGISTERED PROFESSIONAL ENGINEER
Daniel Enrico, P.E.
2024.08.01 10:54:54-07'00'

EVERETT PUBLIC WORKS
3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET PEDESTRIAN IMPROVEMENTS WORK ORDER 3741

REGION - **10** / STATE - **WA**

HORIZONTAL CONTROL AND GENERAL PROJECT NOTES

Drawing V1
Sheet No. 3 / 10 Of Total

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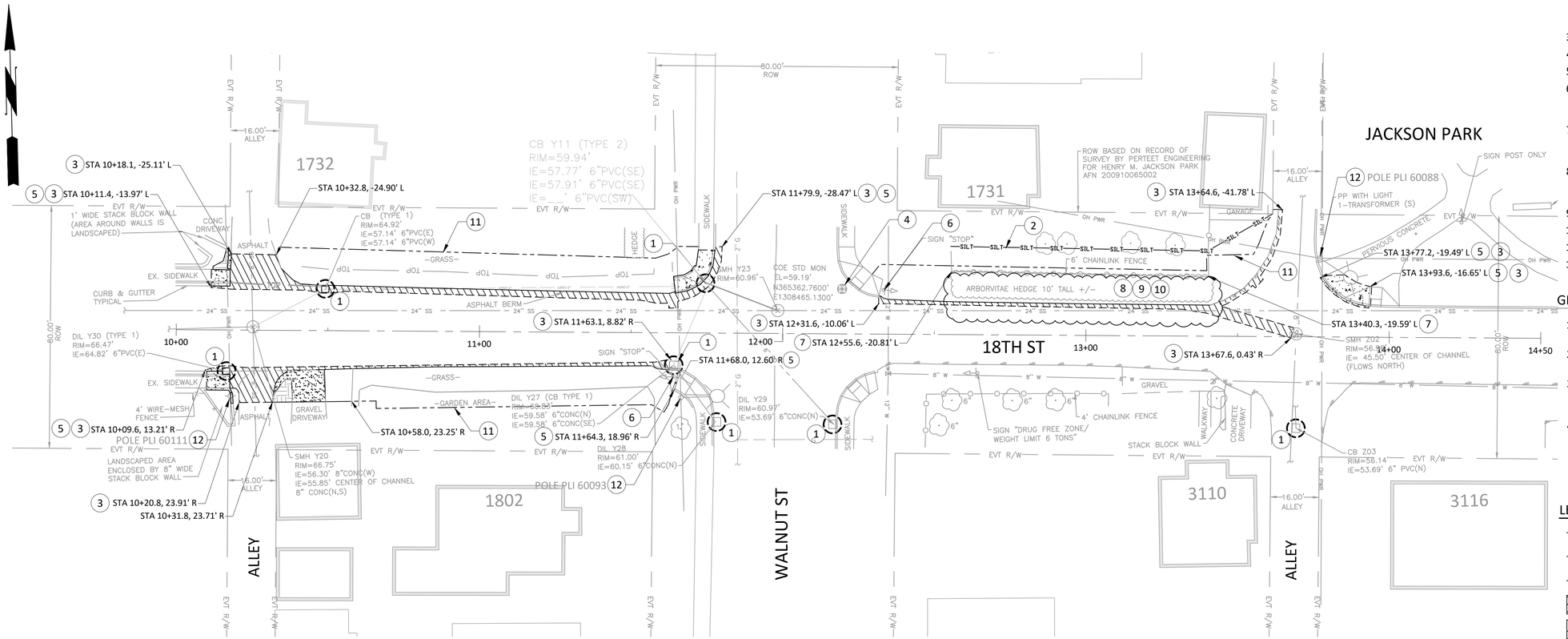

CONSTRUCTION NOTES

1. INSTALL INLET PROTECTION PRIOR TO ANY CONSTRUCTION ACTIVITY PER SPECIAL PROVISION 8-01.5 AND STANDARD DRAWING 210.
2. PRIOR TO EXISTING CHAIN LINK FENCE REMOVAL, INSTALL HIGH VISIBILITY SILT FENCE PER STANDARD DRAWING 214, LINKING TO EXISTING CHAIN LINK FENCE THEREBY PROVIDING CONTINUOUS FENCE ENCLOSURE FOR PROPERTY OWNERS AT 1731 WALNUT ST. EXISTING FRUIT TREES SHALL BE PROTECTED IN PLACE.
3. SAWCUT AND REMOVE EXISTING PAVEMENT TO LIMITS SHOWN.
4. CITY OF EVERETT CONTROL MONUMENT. PROTECT IN PLACE.
5. REMOVE CEMENT CONCRETE CURB AND GUTTER TO LIMITS SHOWN.
6. STREET SIGN TO BE REMOVED AS NECESSARY TO DO THE WORK. PRESERVE SIGN TO CITY. REFER TO SIGN SCHEDULE FOR EXISTING SIGN DETAILS.
7. EXISTING CHAIN LINK FENCE TO BE REMOVED FROM FRONTAGE AS NECESSARY TO CONSTRUCT NEW SIDEWALK. DISPOSE OF FENCING AND POST. CONSTRUCT NEW CHAIN LINK FENCING.
8. ARBORVITAE HEDGE TO BE REMOVED. CONTRACTOR TO PROVIDE NOTICE TO THE HOMEOWNER AND TO DO THE WORK AS PER THE SIGNED RIGHT-OF-ENTRY FORM INCLUDED IN THE APPENDIX.
9. CLEAR AND GRUBBING LIMITS.
10. USE CAUTION WHEN GRUBBING IN THE VICINITY OF THE 24" SS LINE.
11. EXCAVATION LIMITS.
12. EXISTING PUD POLE SHALL BE PROTECTED IN PLACE.

GENERAL NOTES

1. ROADWAY EXCAVATION INCLUDING HAUL LIMITS TO INCLUDE ALL REMOVALS NECESSARY TO COMPLETE THE WORK.
2. PROTECT UTILITY VALVES, HYDRANTS, METERS AND ALL OTHER UTILITIES AND APPURTENANCES.
3. EXISTING WATER, STORM, AND SEWER MAINS ARE SHOWN PER THE SURVEY. CONTRACTOR SHALL VERIFY LOCATION PRIOR TO CONSTRUCTION.
4. NOTIFY ENGINEER, IN WRITING, FIVE (5) DAYS PRIOR TO COMMENCING WORK THAT WILL BLOCK EXISTING DRIVEWAY, REMOVE EXISTING VEGETATION OR TREES, REMOVE EXISTING FENCE, OR REGRADE EXISTING LAWN, GARDEN, OR GRAVEL AREAS.

LEGEND

- EXCAVATION LIMITS
- SILT FENCE
- SAWCUT
- ASPHALT REMOVAL
- CEMENT CONCRETE REMOVAL TO NEAREST JOINT
- GRAVEL REMOVAL
- CLEAR/GRUB LIMITS
- INLET PROTECTION

20 10 0 20 40
FEET

NO.	DATE	INITIALS	REVISION DESCRIPTION
			PLANS ISSUED FOR
BID ACTION	7/25/24 DATE	GSL APRVD	CONST ACTION / DATE / APRVD
			RECORD ACTION / DATE / APRVD

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Drawn ESH
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3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET
PEDESTRIAN IMPROVEMENTS
WORK ORDER 3741
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DEMOLITION AND SITE PREPARATION

D1
4 / 10

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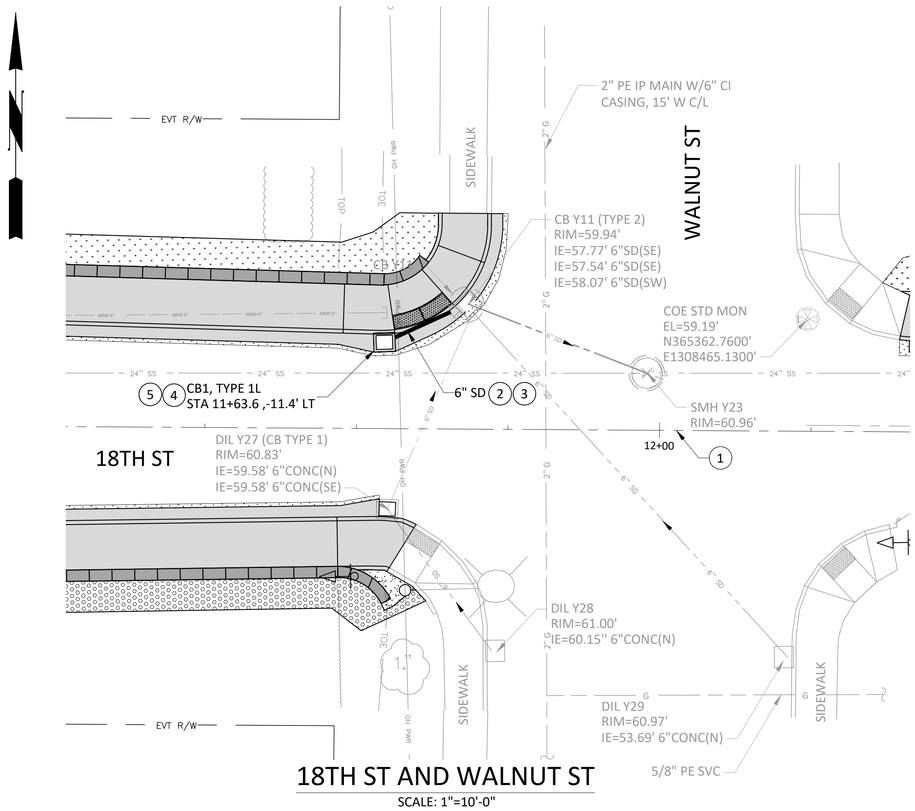

18TH ST AND WALNUT ST

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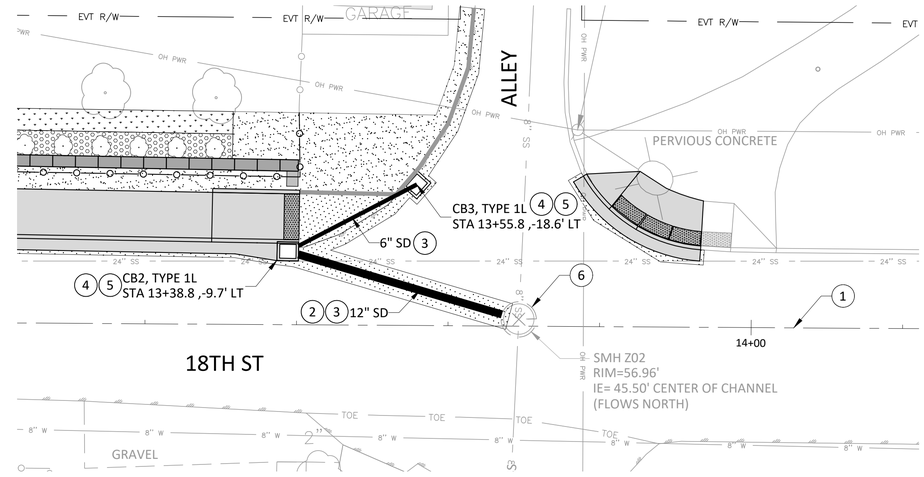

ALLEY

(BETWEEN 1731 WALNUT ST AND 3302-18TH ST)

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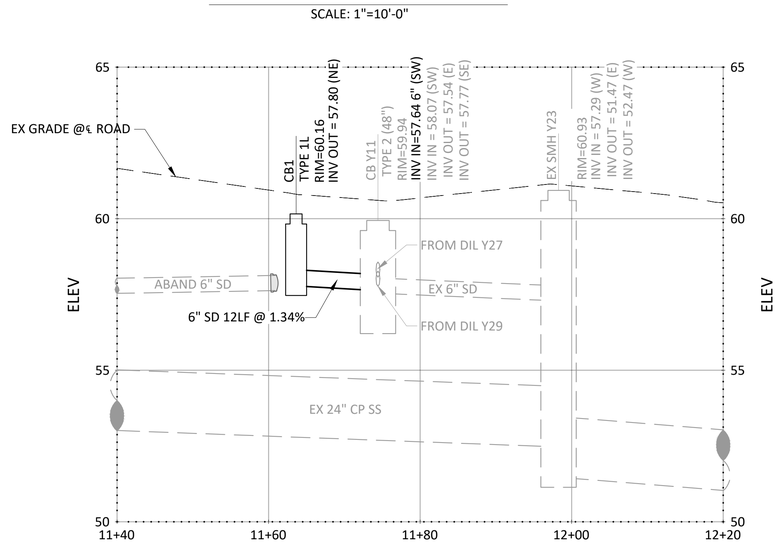
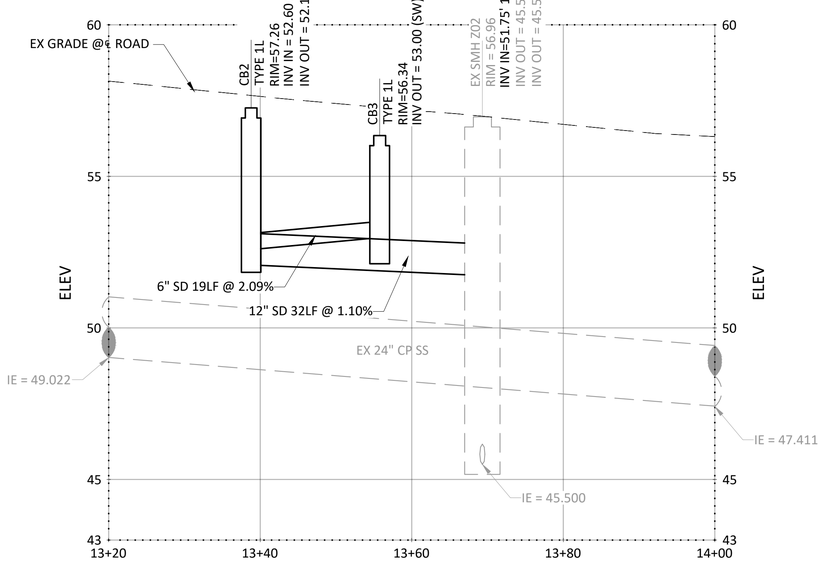


18TH ST PROFILE
STA 11+40 TO STA 12+00

SCALE: HORIZ: 1"=10' VERT:1"=2.5'



18TH ST PROFILE
STA 13+20 TO STA 14+00

SCALE: HORIZ: 1"=10' VERT:1"=2.5'

(#) STORM DRAINAGE CONSTRUCTION NOTES

1. SEE SURVEY CONTROL PLANS FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
2. CONNECT TO EXISTING CATCH BASIN.
3. INSTALL NEW STORM DRAINAGE PIPE AS INDICATED ON THE PLAN AND PROFILE AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND STD SPECIFICATIONS. EXCAVATE AND BACKFILL TRENCH PER STANDARD DRAWING 614.
4. INSTALL NEW STORM DRAINAGE STRUCTURE AS INDICATED ON THE PLAN AND PROFILE AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND STD SPECIFICATIONS. CATCH BASINS SHALL BE PER STANDARD DRAWINGS 402 AND 403. OFFSETS ARE SHOWN TO THE CENTER OF STRUCTURE.
5. TYPICAL FRAME AND VANED GRATE INSTALLATION PER STANDARD DRAWINGS 407 AND 411.
6. CONNECT TO EXISTING MANHOLE AND INSTALL GAS TRAP PER STANDARD DRAWING 414.

STORM DRAINAGE GENERAL NOTES

1. NO PART OF THE DRAINAGE SYSTEM SHALL BE COVERED, CONCEALED, OR PUT INTO USE UNTIL IT HAS BEEN INSPECTED, TESTED, AND ACCEPTED BY THE CITY.
2. ALL STORM SYSTEMS WITHIN THE PUBLIC RIGHT-OF-WAY OR ON PRIVATE PROPERTY MUST BE STAKED BY SURVEY FOR LINE AND GRADE PRIOR TO STARTING CONSTRUCTION.
3. ALL REQUESTS FOR INSPECTIONS AND FOR WITNESSING TESTS SHALL BE SCHEDULED WITH THE ENGINEER 3 BUSINESS DAYS IN ADVANCE. FAILURE TO GIVE ADEQUATE ADVANCE NOTICE MAY RESULT IN DELAYS TO THE CONTRACTOR FOR REQUIRED INSPECTIONS.
4. TYPE 2 CATCH BASINS OVER 4 FEET IN HEIGHT SHALL BE PROVIDED WITH A LADDER OR STEPS PER STANDARD DRAWING 608 OR 609.
5. ALL PIPES SHALL BE CLEARLY MARKED WITH DIAMETER, TYPE, CLASS AND THICKNESS, AS APPLICABLE. LETTERING SHALL BE LEGIBLE AND PERMANENT UNDER NORMAL CONDITIONS OF HANDLING AND STORAGE.
6. CLEAN AND FLUSH STORM DRAIN LINES WITH CLEAN WATER PRIOR TO TESTING.
7. ALL CATCH BASINS AND INLETS SHALL HAVE STANDARD DIRECTIONAL VANED GRATE PER STANDARD DRAWING 411 UNLESS OTHERWISE NOTED. SOLID COVER SHALL BE PER STANDARD DRAWING 610 FOR TYPE 2 CATCH BASIN.
8. PROTECT ALL EXISTING UTILITIES TO REMAIN.
9. PROTECT ALL INSTALLED PIPES AND STRUCTURES WITH BACKFILL, STEEL PLATES OR OTHER ADEQUATE PROTECTION FROM CONSTRUCTION AND TRAFFIC LOADS PRIOR TO FINAL PAVING.
10. DO NOT ALLOW FLOW OF STORMWATER OR RAW SEWAGE TO ENTER THE TRENCH OR EXCAVATION PIT.
11. AT THE END OF THE WORKDAY AND IN WORK LOCATIONS WHERE THE CONTRACTOR IS NOT PRESENT, ALL OPEN EXCAVATIONS, TRENCHES OR AND STRUCTURES SHALL BE COVERED WITH STEEL PLATES.
12. PROVIDE A MINIMUM 1-FOOT SEPARATION BETWEEN NEW CATCH BASIN AND INLET STRUCTURES AND GAS LINES.

SCALE
10 5 0 10 20
FEET

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DANIEL T ENRICO — STATE OF WASHINGTON — 40881 — REGISTERED PROFESSIONAL ENGINEER
Daniel Enrico, P.E.
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3200 Cedar Street
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18TH STREET
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STORM DRAIN IMPROVEMENTS

Drawing C1
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Date: 2024.08.01 10:53:13-07'00'

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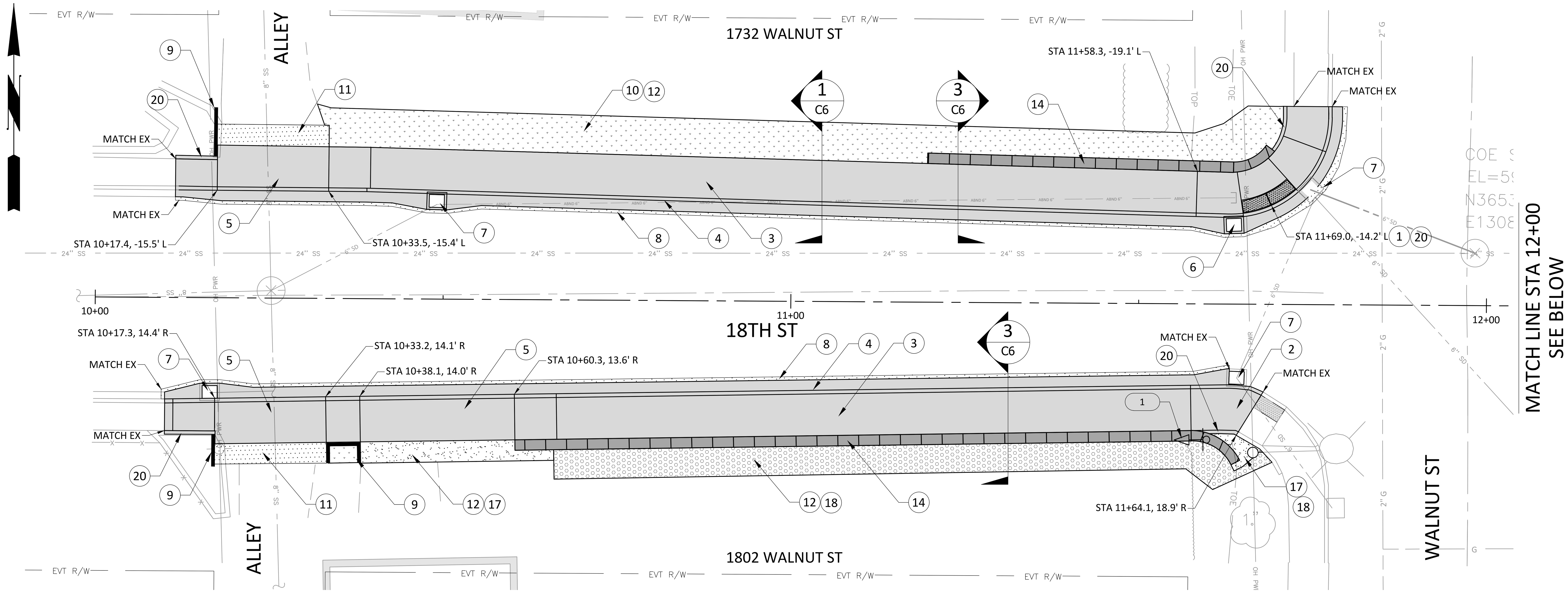

PLAN
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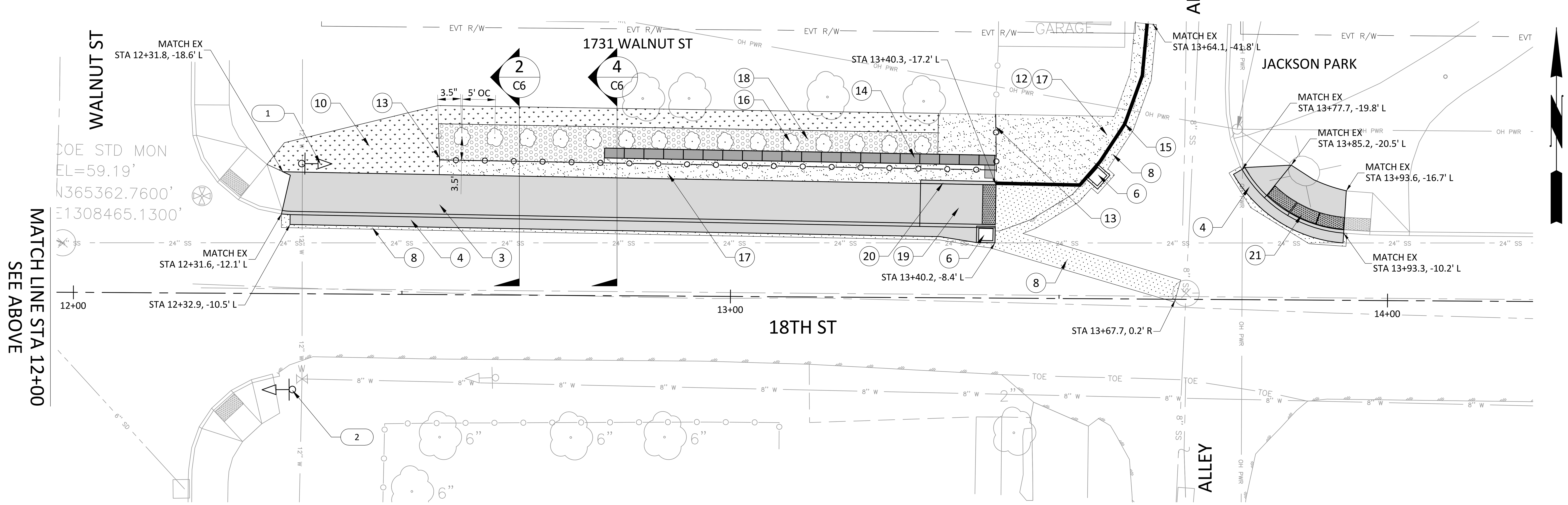
SCALE
10 5 0 10 20
FEET



PLAN
SCALE: 1"=10'-0"

SCALE
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FEET

CONSTRUCTION NOTES

1. INSTALL CEMENT CONCRETE CURB RAMP TYPE D PER STANDARD DRAWING 321.
2. INSTALL MODIFIED WING FOR CURB RAMP TYPE D PER STANDARD DRAWING 321.
3. CONSTRUCT CEMENT CONCRETE SIDEWALK PER STANDARD DRAWING 312 AND SECTION DETAILS ON DRAWING C3.
4. INSTALL TYPE A-1 CURB AND GUTTER PER STANDARD DRAWING 307.
5. INSTALL CEMENT CONCRETE DRIVEWAY RAMP TYPE-1 PER STANDARD DRAWING 315. WIDTH VARIES.
6. CONCRETE INLET. CONNECT TO EXISTING STORM DRAIN AS SHOWN ON DRAWING C1.
7. ADJUST CONCRETE INLET AS NEEDED FOR NEW CONSTRUCTION.
8. INSTALL HMA PAVEMENT PATCH PER STANDARD DRAWING 326. WIDTH VARIES AS SHOWN ON PLANS.
9. INSTALL TYPE E-3 CURB PER STANDARD DRAWING 309.
10. HYDROSEED OR SOD TO COVER REGRADED LAWN AREA.
11. ASPHALT TRANSITION TO EXISTING GRADE.
12. TRANSITION TO EXISTING GRADE.
13. INSTALL NEW 6-FOOT CHAIN LINK FENCE 2 FEET-2 INCHES BEHIND THE BACK OF SIDEWALK. REINSTALL GATE.
14. INSTALL CEMENT CONCRETE MODULAR BLOCK UNIT RETAINING WALL. PER MANUFACTURES SPECIFICATIONS. HEIGHT VARIES.
15. ASPHALT WEDGE CURB SECTION PER STANDARD DRAWING 310.
16. PLANT FIFTEEN (15) THUJA OCCIDENTALIS ' SMARAGD ' EMERALD GREEN ARBORVITAE 8 FEET TO 9 FEET HEIGHT, 3.5 FEET FROM THE FENCE, AT 5 FEET INTERVALS AS SHOWN AND PER PLANTING DETAIL STANDARD DRAWING 339.
17. CSBC 4 INCH DEPTH.
18. BARK OR WOOD CHIP MULCH 2 INCHES TO 4 INCHES MINIMUM DEPTH TO COVER REGRADED GARDEN AREA AND/OR CSBC ADJACENT TO WALL.
19. INSTALL CEMENT CONCRETE CURB RAMP TYPE C WITH LANDING ORIENTED AS SHOWN.
20. INSTALL CEMENT CONCRETE PEDESTRIAN CURB PER WSDOT STANDARD PLAN F-10.12-04.
21. INSTALL CEMENT CONCRETE CURB RAMP TYPE B PER STANDARD DRAWING 319.

LEGEND

▨	CEMENT CONCRETE
▨	HMA PAVEMENT
▨	TOPSOIL AND HYDROSEED OR SOD
▨	GRAVEL
▨	CEMENT CONCRETE MODULAR BLOCK UNIT RETAINING WALL
▨	BARK OR WOOD CHIP MULCH

SIGN SCHEDULE

1 SIGN "STOP" RE-INSTALL PER STANDARD DRAWING 716.

2 SIGN "JACKSON PARK ACCESS CROSS HERE" INSTALL PER STANDARD DRAWING 716.

NO.	DATE	APRVD	REVISION					
PLANS ISSUED FOR								
BID	7/25/24	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed GSL, ESH
Drawn ESH
Checked DTE
Design Review Level

DANIEL T ENRICO
STATE OF WASHINGTON
40811
REGISTERED PROFESSIONAL ENGINEER
Daniel Enrico, P.E.
2024.08.01 10:54:56-07'00'

EVERETT PUBLIC WORKS
3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET
PEDESTRIAN IMPROVEMENTS
WORK ORDER 3741
REGION - **10** | *STATE* - **WA**

SIDEWALK IMPROVEMENTS
AND RESTORATIONS

Drawing C2
Sheet No. 6 / 10 Of Total

Plot date 7/29/2024 10:13 AM Plotted by Eugene Houtby Last saved by EHoutby Plot style Everett-2016.stb Sheetset Name 3741-18TH ST PED IMP
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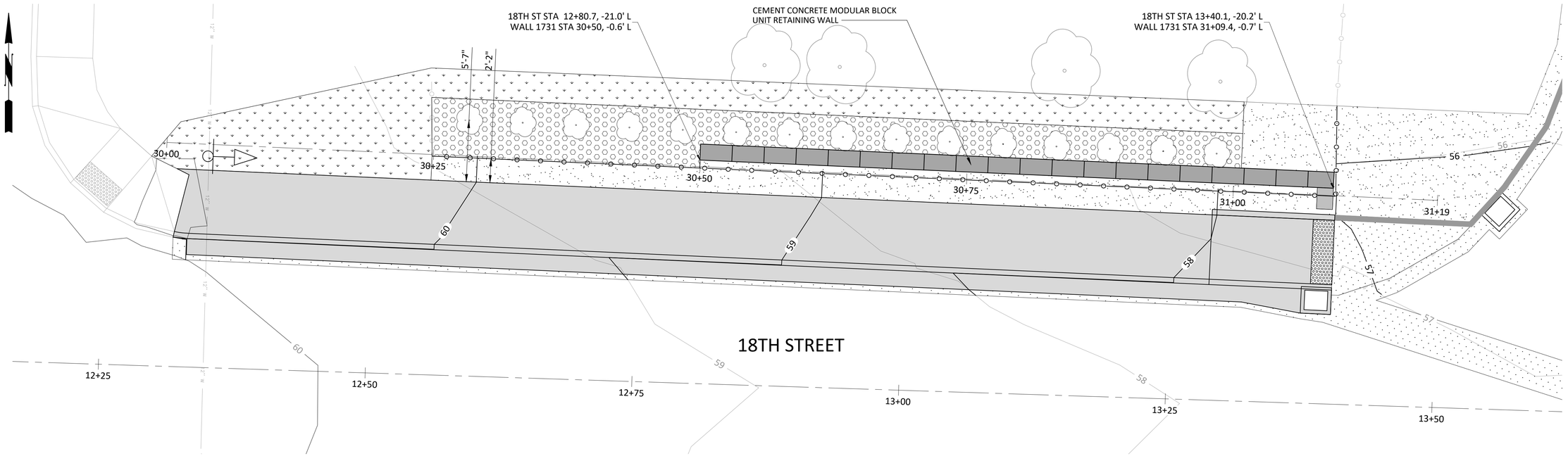
Surveyed By | Date | Control Monument | City of Everett Field Book/Starting Page

WALNUT STREET



1731 WALNUT

SCALE: 1"=5'-0"

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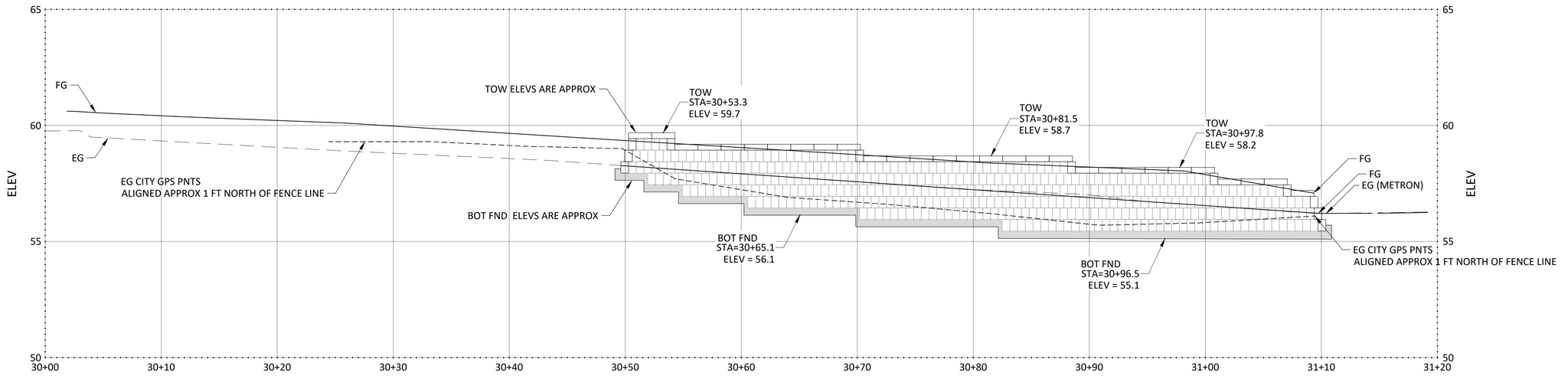
FEET



1731 WALNUT WALL PROFILE
STA 30+00 TO STA 31+20

SCALE: HORIZ: 1"=5' VERT:1"=2'

KEY NOTES
TOW - TOP OF WALL
BOT FND - BOTTOM OF FOUNDATION
(BASED OFF OF EG CITY GPS PNTS)

NO.	DATE	APRVD	REVISION
A	MM-DD-YY	INITIALS	REVISION DESCRIPTION

PLANS ISSUED FOR

BID	7/25/24	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

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Drawn ESH
Checked DTE
Design Review Level

DANIEL T ENRICO — STATE OF WASHINGTON — 40881 — REGISTERED PROFESSIONAL ENGINEER
Daniel Enrico, P.E.
2024.08.01 10:54:56-07'00'

EVERETT PUBLIC WORKS
3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET
PEDESTRIAN IMPROVEMENTS
WORK ORDER 3741
REGION - **10** | *STATE* - **WA**

1731 WALNUT ST
WALL PLAN AND PROFILE

C3
7 / 10

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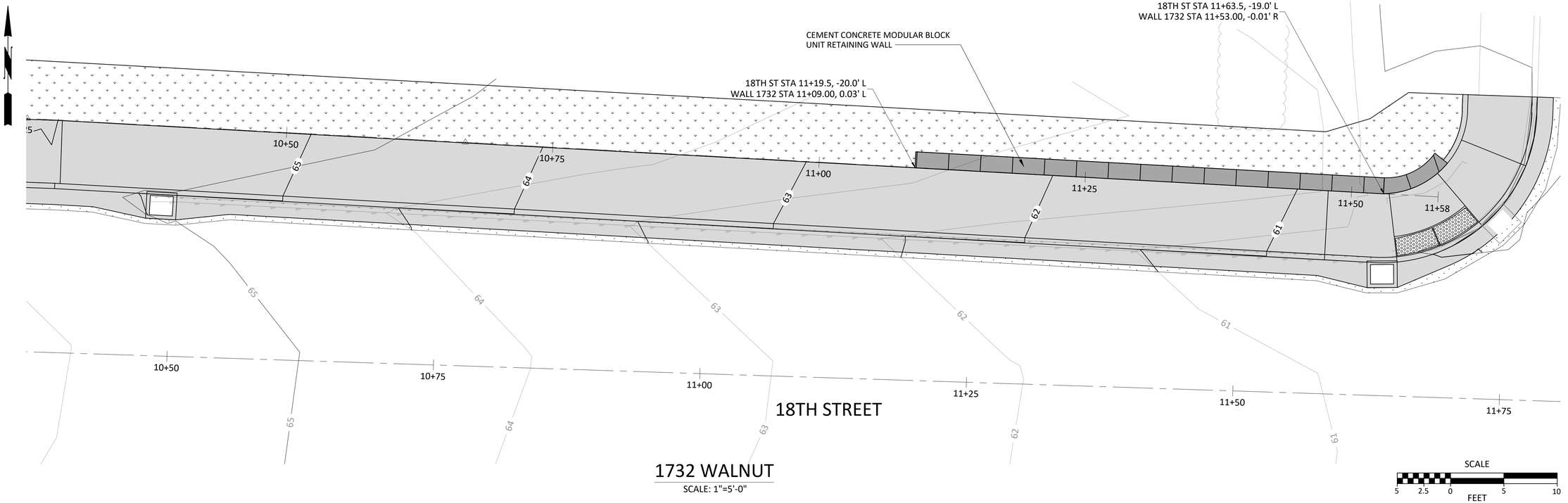

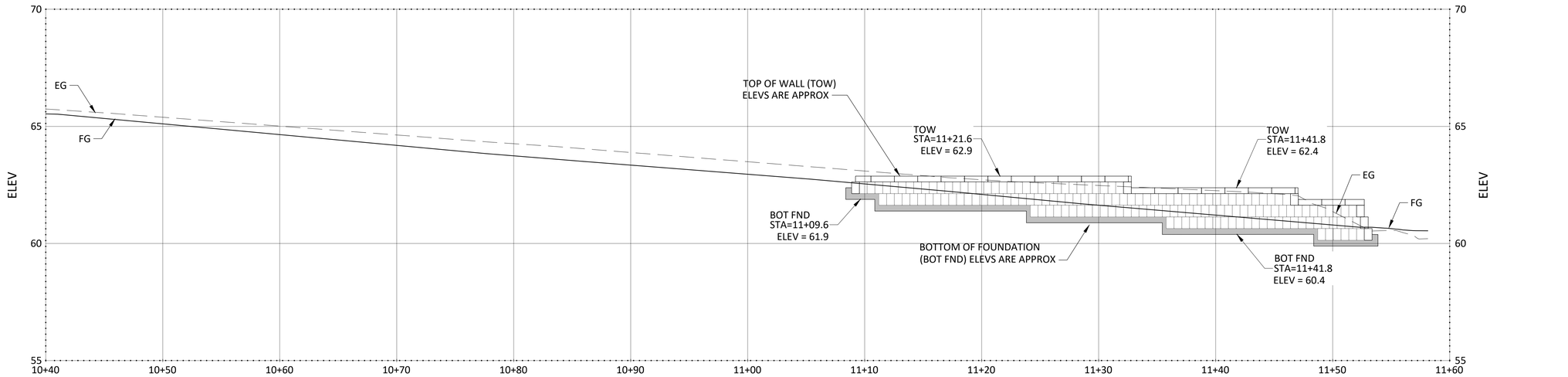

1732 WALNUT WALL PROFILE
STA 10+40 TO STA 11+60

SCALE: HORIZ: 1"=5' VERT:1"=2'

KEY NOTES
TOW - TOP OF WALL
BOT FND - BOTTOM OF FOUNDATION

NO.	DATE	APRVD	REVISION
A	MM-DD-YY	INITIALS	REVISION DESCRIPTION

PLANS ISSUED FOR

BID			CONST			RECORD		
ACTION	7/25/24 DATE	GSL APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed GSL, ESH
Drawn ESH
Checked DTE
Design Review Level

DANIEL T ENRICO — STATE OF WASHINGTON — 40881 — REGISTERED PROFESSIONAL ENGINEER
Daniel Enrico, P.E.
2024.08.01 10:54:57-07'00'

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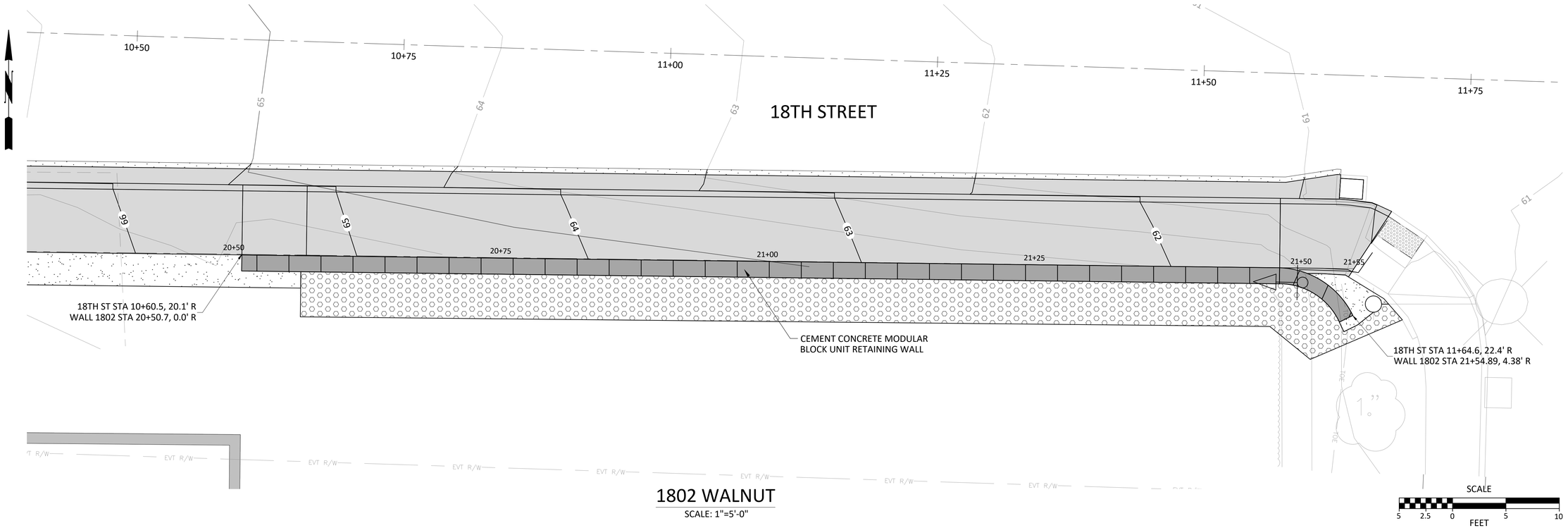
3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET
PEDESTRIAN IMPROVEMENTS
WORK ORDER 3741
REGION - **10** | *STATE* - **WA**

1732 WALNUT ST
WALL PLAN AND PROFILE

C4
8 / 10



1802 WALNUT

SCALE: 1"=5'-0"

SCALE
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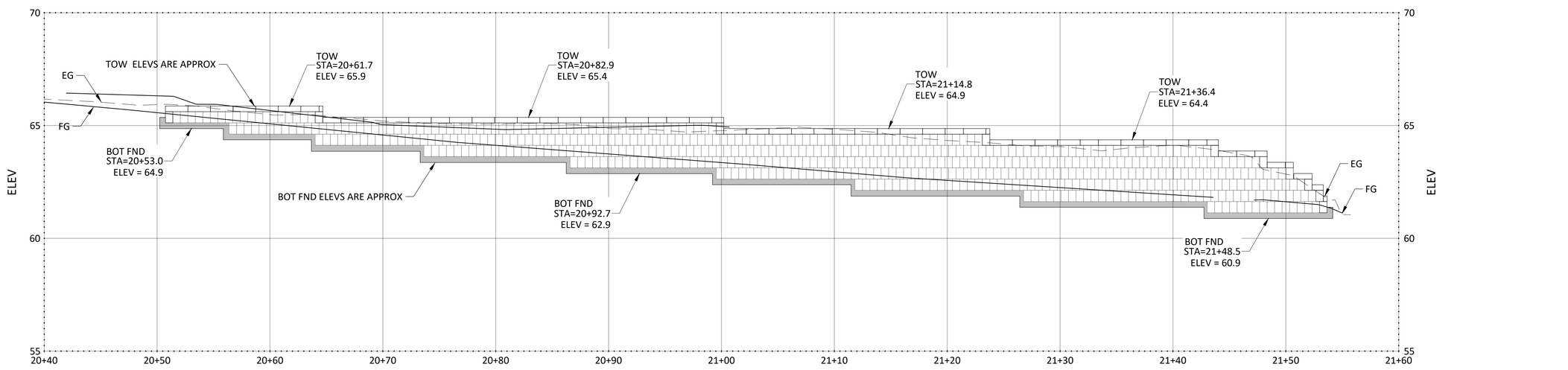
FEET



1802 WALNUT WALL PROFILE
STA 20+40 TO STA 21+60

SCALE: HORIZ: 1"=5' VERT:1"=2'

KEY NOTES
TOW - TOP OF WALL
BOT FND - BOTTOM OF FOUNDATION

NO.	DATE	APRVD	REVISION DESCRIPTION
A	MM-DD-YY	INITIALS	REVISION

PLANS ISSUED FOR

BID			CONST			RECORD		
ACTION	7/25/24 DATE	GSL APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed GSL, ESH
Drawn ESH
Checked DTE
Design Review Level

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Daniel Enrico, P.E.
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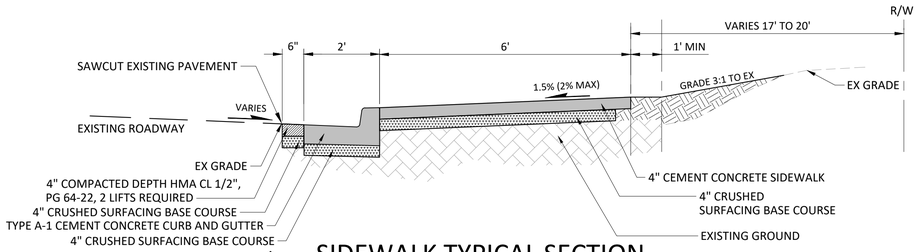
3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET
PEDESTRIAN IMPROVEMENTS
WORK ORDER 3741
REGION - **10** | *STATE* - **WA**

1802 WALNUT ST
WALL PLAN AND PROFILE

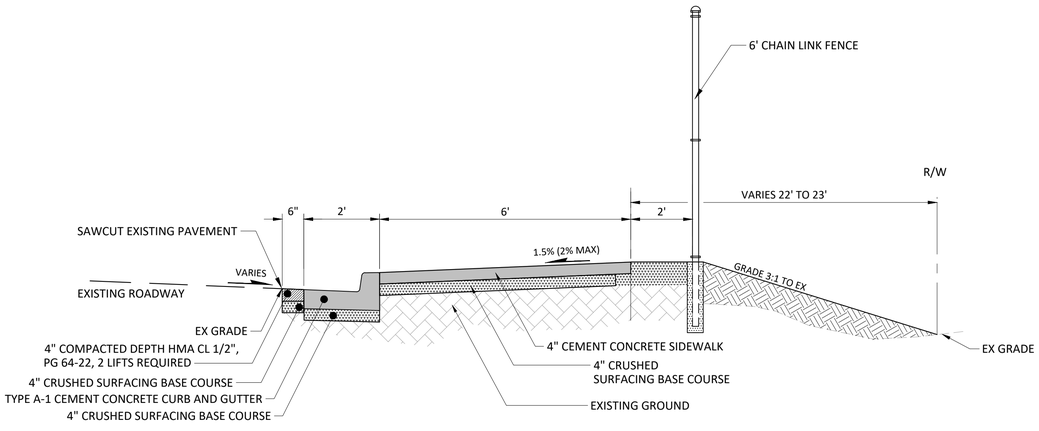
C5
9 / 10



1
C2

SIDEWALK TYPICAL SECTION
STATION VARIES

SCALE: N.T.S.



2
C2

SIDEWALK TYPICAL SECTION
STATION VARIES

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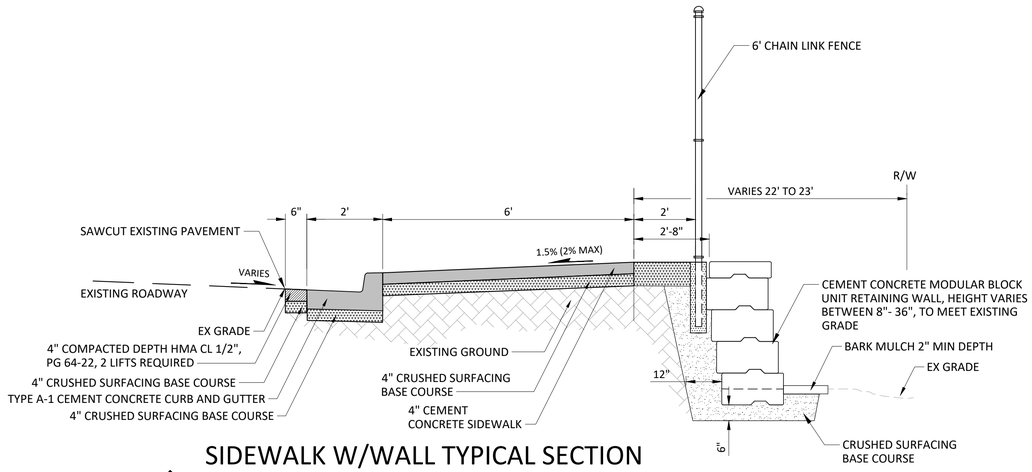
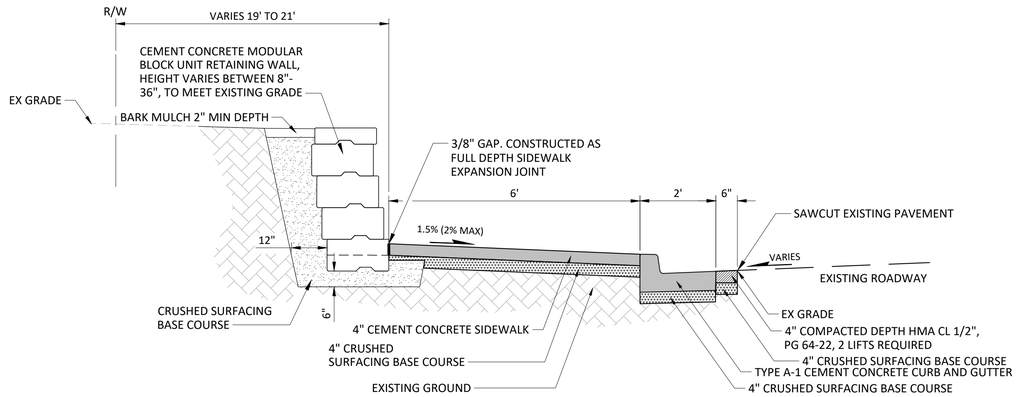


4
C2

SIDEWALK W/WALL TYPICAL SECTION
STATION VARIES

SCALE: N.T.S.



3
C2

SIDEWALK TYPICAL SECTION
STATION VARIES

SCALE: N.T.S.

NO.	DATE	APRVD	REVISION
			PLANS ISSUED FOR

BID			CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD
	7/25/24	GSL						

Designed GSL, ESH
Drawn ESH
Checked DTE
Design Review Level

DANIEL T ENRICO — STATE OF WASHINGTON — 40801 — REGISTERED PROFESSIONAL ENGINEER

Daniel Enrico, P.E.
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3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

18TH STREET PEDESTRIAN IMPROVEMENTS WORK ORDER 3741

REGION - **10** | *STATE* - **WA**

SECTIONS AND DETAILS

Drawing C6

Sheet No. 10 / 10 Of Total