COVERSHEET
DOCUMENTS POSTED ON BUILDER'S EXCHANGE OF WASHINGTON

EVERETT

Project Name	2025 Pavement Maintenance Overlay, City of Everett, WA #3830
Contractor Name	Granite Construction Company
Bid Opening Date	4/15/2025 @ 2:00 pm PDT
City Clerk's Digital Certification Stamp	City of Everett Digitally signed by City of Everett Date: 2025.05.16 09:50:00 -07'00'

CITY OF EVERETT

DEPARTMENT OF PUBLIC WORKS

SPECIFICATIONS, PROPOSAL AND CONTRACT DOCUMENTS
FOR

2025 PAVEMENT MAINTENANCE OVERLAY

COE PW# 3830

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

2025 PAVEMENT MAINTENANCE OVERLAY

COE PW# 3830

February 2025

Prepared By:

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3/26/2025

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

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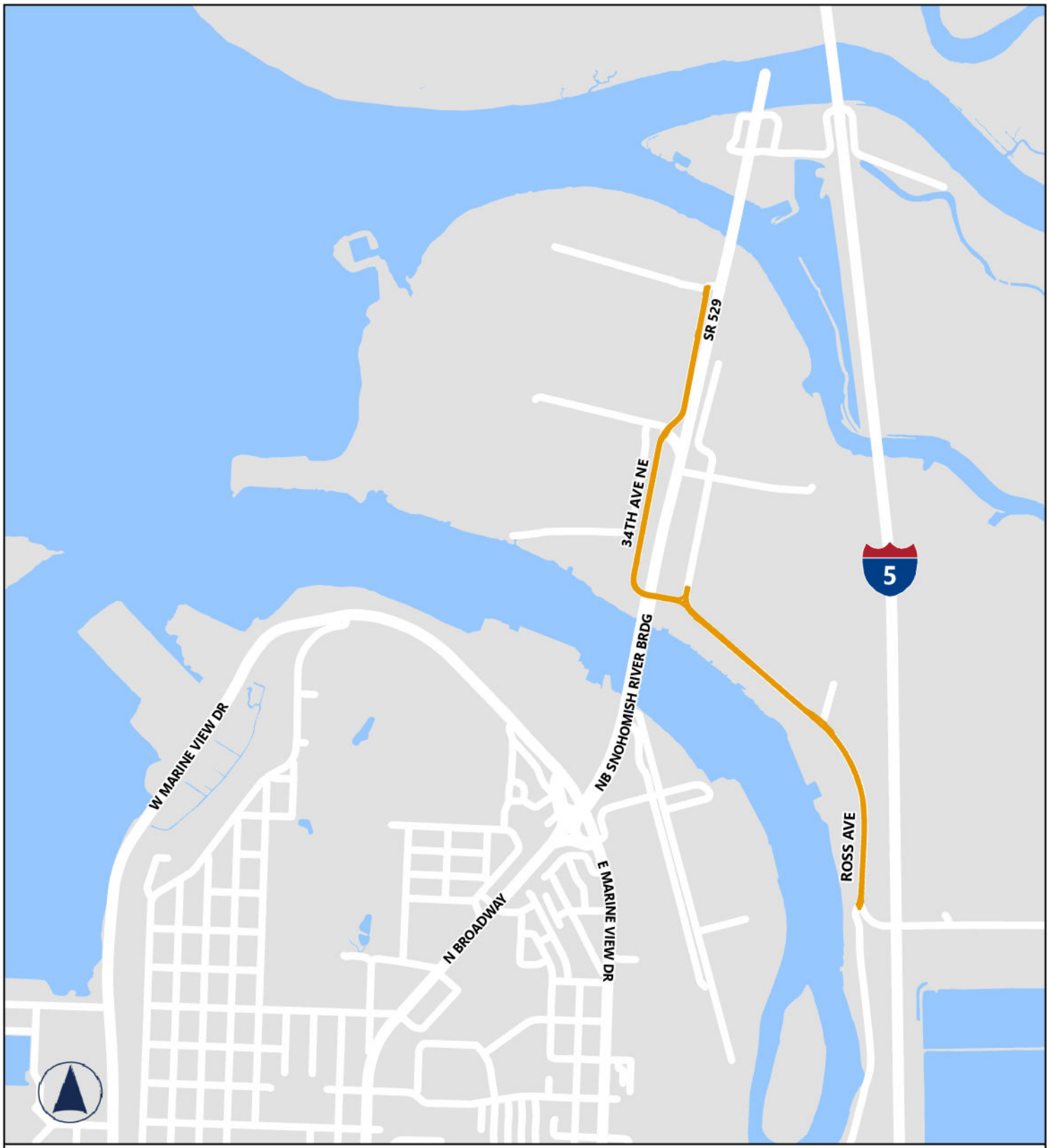

2025 PAVEMENT MAINTENANCE OVERLAY

Vicinity Map 1 of 2

2/11/2025

EVERETT
WASHINGTON

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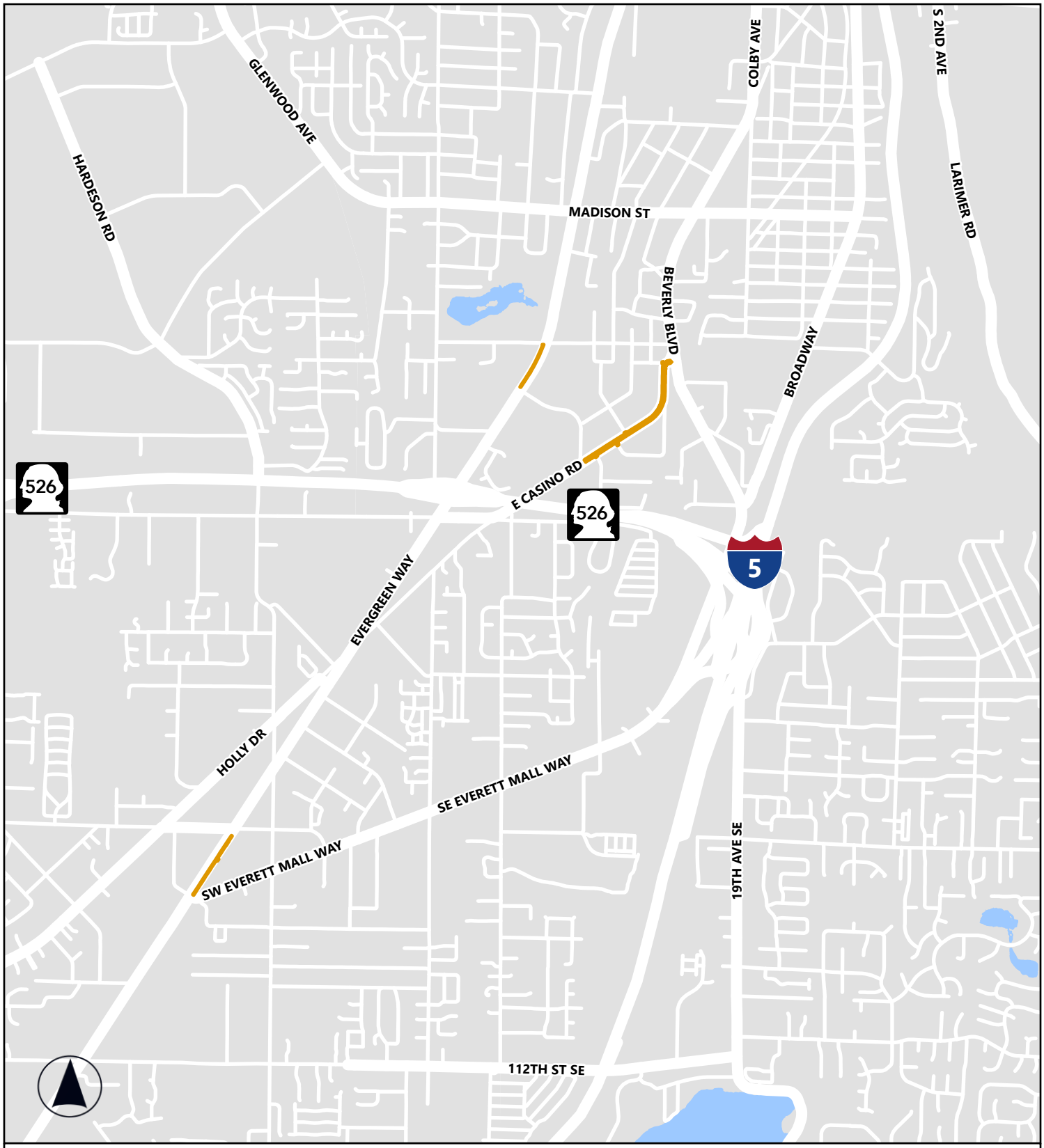
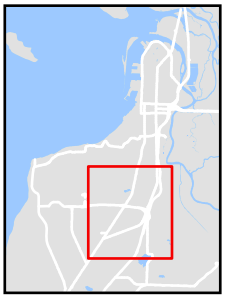


2025 PAVEMENT MAINTENANCE OVERLAY

Vicinity Map 2 of 2

9/11/2024

EVERETT
WASHINGTON



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NOTICE TO CONTRACTORS

Notice is hereby given that sealed bids/proposals for the **2025 PAVEMENT MAINTENANCE OVERLAY** will be received at the City Clerk, 1st Floor Everett Municipal Building, 2930 Wetmore, Everett, WA, 98201, until 2:00 p.m. on Tuesday, **APRIL 15, 2025**. 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 **$1,233,977.00**, not including sales tax.

The project includes, is not limited to, *The construction of up to 5,857 tons of Hot Mix Asphalt, Class ½-inch, PG 64-22, two inches (2") thick, on selected City Streets, three inches (3") thick on Ross Ave, including grinding, utility adjustments, such as manhole, catch basin, inlet, valve box, monument case and cover, striping, channelization, traffic induction loops*, 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 bidder must submit a Bidders Questionnaire (WSDOT form 272-022), if applicable, with the bid/proposal as required Special Provisions Section 1-02.6. Failure to do this may result in bid rejection under Special Provisions Section 1-02.13.

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 3830

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. **Local Agency Subcontractor List (DOT Form 271-15A Rev 06/2020):** To be filled in by the Bidder.
4. **RCW 35.22.650 Certification:** To be filled in and signed by the bidder.
5. **Non-Collusion Declaration:** To be submitted with the bid.
6. **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.
7. **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:

CITY OF EVERETT, WASHINGTON
CONTRACT PROVISIONS FOR
WORK ORDER NO.: PW 3830

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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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*, 2025 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

fDESWORK1.docx
(March 13, 1995)
This Contract provides for the improvement of ***The construction of up to 5,857 tons of Hot Mix Asphalt, Class ½-inch, PG 64-22, two inches (2") thick, on selected City Streets, three

inches (3”) thick on Ross Ave, including grinding, utility adjustments, such as manhole, catch basin, inlet, valve box, monument case and cover, striping, channelization, traffic induction loops*** 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.

1-02.2.RTF

1-02.2 Plans and Specifications

(City of Everett, based on 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")	8	Furnished automatically upon award.
Contract Provisions	4	Furnished automatically upon award.
Large plans (e.g., 22" x 34")	2	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.

1-02.4(1).OptionA.RTF

1-02.4(1) General

(December 30, 2022 APWA GSP Option A)

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

> Prospective Bidders desiring an explanation or interpretation of the Bid Documents, shall request the explanation or interpretation in writing soon enough to allow a written reply to reach all prospective Bidders before the submission of their Bids.

1-02.5.RTF

1-02.5 Proposal Forms

(November 25, 2024 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 DBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be in legible figures (not words) written in ink or typed and expressed in U.S. dollars. 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.GR1

Preparation of Proposal

1-02.6.INST3.GR1

Section 1-02.6 is supplemented with the following:

1-02.6.OptionC.RTF

Subcontractor's List

(November 25, 2024 APWA GSP 1-02.6, Option C)

The fourth paragraph of Section 1-02.6 is revised to read:

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

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

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

(September 3, 2024 APWA GSP)

Delete this section and replace it with the following:

1. A Proposal will be considered irregular and will be rejected if:
   a. The Bidder is not prequalified when so required;
   b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
   c. A price per unit cannot be determined from the Bid Proposal;
   d. The Proposal form is not properly executed;
   e. The Bidder fails to submit or properly complete a subcontractor list (WSDOT Form 271-015), if applicable, as required in Section 1-02.6;
   f. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification (WSDOT Form 272-056), if applicable, as required in Section 1-02.6;
   g. The Bidder fails to submit Written Confirmations (WSDOT Form 422-031) from each DBE firm listed on the Bidder's completed DBE Utilization Certification that they are in agreement with the bidder's DBE participation commitment, if applicable, as required in Section 1-02.6, or if the written confirmation that is submitted fails to meet the requirements of the Special Provisions;
   h. The Bidder fails to submit DBE Good Faith Effort documentation, if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to demonstrate that a Good Faith Effort to meet the Condition of Award in accordance with Section 1-07.11;
   i. The Bidder fails to submit a DBE Bid Item Breakdown (WSDOT Form 272-054), if applicable, as required in Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions;
   j. The Bidder fails to submit the Bidder Questionnaire (DOT Form 272-022), if applicable as required by Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions; or
   k. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

2. A Proposal may be considered irregular and may be rejected if:
   a. The Proposal does not include a unit price for every Bid item;
   b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;
   c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
   d. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
   e. Receipt of Addenda is not acknowledged;

f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or

g. If Proposal form entries are not made in ink.

1-02.14.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.

1-03.3.OptionA.RTF

1-03.3 Execution of Contract

(July 8, 2024 APWA GSP Option A)

Revise this section to read:

Within 3 calendar days of Award date (not including Saturdays, Sundays and Holidays), the successful Bidder shall provide the information necessary to execute the Contract to the Contracting Agency. The Bidder shall send the contact information, including the full

name, email address, and phone number, for the authorized signer and bonding agent to the Contracting Agency.

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

Within ** 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.

1-04.2.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.

1-04.4.RTF

1-04.4 Changes

(January 19, 2022 APWA GSP)

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

1-05.GR1

Control of Work

1-05.1.GR1

Authority of the Engineer

1-05.1(2).GR1

Requests for Information (RFI)

1-05.1(2).INST1.GR1

The fourth paragraph of Section 1-05.1(2) is revised to read:

1-05.1(2).OPT1.2026.GR1

(November 4, 2024)

The Contractor may submit a RFI for one of the following reasons:

1. The Contractor believes there is information missing from the Contract Documents (Missing Information).

2. The Contractor believes a clarification of one or more of the Contract requirements is necessary (Clarification).

3. The Contractor needs to substitute a material that provides an equal or better level of performance as the one specified in the Contract (RFC - Material Substitution). Requests shall indicate the location(s), quantity, and shall describe how the material provides an equal or better level of performance as the material originally specified.

4. The Contractor requests a change to the Contract requirements for a reason other than one listed in items 1-3 of this Section (RFC - Other). To be considered, the request must not meet the requirements of a Value Engineering Change Proposal. To be considered, the request shall qualify as a Minor Change in accordance with Section 1-04.4(1) and shall describe how the change is beneficial to the project.

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.

1-05.14.GR1

Cooperation with Other Contractors

1-05.14.INST1.GR1

Section 1-05.14 is supplemented with the following:

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.GR1

Control of Material

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.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.

1-07.8.GR1
High-Visibility Apparel

1-07.8.INST1.GR1
The third and fourth paragraphs of Section 1-07.8 are revised to read

1-07.8.OPT1.2026.GR1
(November 4, 2024)
High-visibility garments shall always be the outermost garments worn in a manner to ensure 360 degrees of uninterrupted background and retroreflective material encircling the torso.

High-visibility garments shall be labeled as, and in a condition compliant with the ANSI/ISEA 107-2015 publication entitled “American National Standard for High-Visibility Safety Apparel and Accessories,” or equivalent revisions.

1-07.8(1).GR1
Traffic Control Personnel

1-07.8(1).INST1.GR1
Section 1-07.8(1) is revised to read:

1-07.8(1).OPT1.2026.GR1
(November 4, 2024)
All personnel performing the Work described in Section 1-10 (including traffic control supervisors, flaggers, and others performing traffic control labor of any kind) shall comply with the following:

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

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

1-07.17.GR1

Utilities and Similar Facilities

1-07.17.INST1.GR1

Section 1-07.17 is supplemented with the following:

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
***

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.

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.

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

1-07.18(5)K.RTF

1-07.18(5)K Professional Liability

(December 30, 2022 APWA GSP)

The Contractor and/or its subcontractor(s) and/or its design consultant providing construction management, value engineering, or any other design-related non-construction professional services shall provide evidence of Professional Liability insurance covering professional errors and omissions.

Such policy shall provide the following minimum limits:

$1,000,000 per claim and annual aggregate

If the scope of such design-related professional services includes work related to pollution conditions, the Professional Liability insurance shall include coverage for Environmental Professional Liability.

If insurance is 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.

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:

f1-07.23(1).OPT5.docx

(February 6, 2023)

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

***

E Casino Rd – Bruin Blvd to Beverly Blvd

Work shall not be permitted while school is in session.

No lane closures or single lane alternating flagging operation will be permitted between 10:00pm and 7:00am. The contractor has been granted a 1 hour early start from 6:00am to 7:00am for traffic control setup only. Casting adjustments shall not be permitted between 9:00pm and 7:00am.

A noise variance for early start has been obtained on behalf of the Contractor. The early start time to begin traffic control only shall be requested and approved by the Engineer at the preconstruction conference. The Engineer has the right to disallow the early start if the Contractor performs other work than traffic control setup. All mitigation measures stated in the contract and appendix shall be adhered to.

Evergreen Way, Southbound curb lane only – 75th St to Bruin Blvd

No multiple-lane closures or single lane alternating flagging operation will be permitted between 6:00am and 7:00pm. Casting adjustments shall not be permitted between 2:00pm and 5:00pm.

A noise variance for early start has been obtained on behalf of the Contractor. The early start time to begin traffic control only shall be requested and approved by the Engineer at the preconstruction conference. The Engineer has the right to disallow the early start if the Contractor performs other work than traffic control setup. All mitigation measures stated in the contract and appendix shall be adhered to.

Evergreen Way, Northbound curb lane only – north of Everett Mall Way to 100th St SW

No single lane alternating flagging operation will be permitted between 6:00am and 7:00pm. Casting adjustments shall not be permitted between 2:00pm and 5:00pm

Evergreen Way and Everett Mall Way - Intersection

No lane closures for any type of work will be permitted between 5:00am and 6:00pm.

A noise variance has been obtained on behalf of the Contractor. All mitigation measures stated in the contract and appendix shall be adhered to.

Ross Ave

Casting adjustments shall not be permitted between 2:00pm and 5:00pm.

A noise variance has been obtained on behalf of the Contractor. All mitigation measures stated in the contract and appendix shall be adhered to.

34th Ave NE

Casting adjustments shall not be permitted between 2:00pm and 5:00pm.

A noise variance has been obtained on behalf of the Contractor. All mitigation measures stated in the contract and appendix shall be adhered to.

The Contractor is responsible for providing advance notice of night paving operations to transit and emergency response agencies at least 72 hours before beginning this work. Prior to release of this information, the City must be notified.

***

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 are listed below and when applicable take precedence over closures listed above. The Engineer may also consider on a case-by-case basis additional exceptions 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 Automated Flagger Assistance Devices (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.

1-07.23(1).RTF

1-07.23(1) Construction Under Traffic

(May 2, 2017 APWA GSP)

Revise the third sentence of the second paragraph to read:

Accessibility to existing or temporary pedestrian push buttons shall not be impaired; if approved by the Contracting Agency activating pedestrian recall timing or other accommodation may be allowed during construction.

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.GR1

Prosecution and Progress

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

(July 8, 2024APWA 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 review DBE Requirements, Training Plans, and Apprenticeship Plans, when applicable.
5. To establish normal working hours for the work;
6. To review safety standards and traffic control; and
7. 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.

F1-08.0(2).docx

Add the following new section:

1-08.0(2) Hours of Work

(December 8, 2014 APWA GSP)

Except in the case of emergency or unless otherwise approved by the Engineer, the normal working hours for the Contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m, or as required by section F1-07.23(1). 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.

***A Noise Variance, which shall be provided by the City, is required for Contract nighttime work and included as an appendix in these specifications. If the Contractor or the Engineer requests to do nighttime work that is not already established in the Contract, a 30-day notice is required. The Engineer will then review the request and apply for the Noise Variance; the City can deny the request at its sole discretion. Nighttime work is considered to be between 10 pm and 7 am unless otherwise stated. The following mitigation measures shall be in effect during a Noise Variance, though there may be additional project specific requirements:

- Back-up alarms shall be directional broad band type alarms.
- Trucks performing export haul shall have well maintained bed liners.
- Tailgate slamming will be prohibited.
- No construction work shall be allowed between 6 pm and 8 am on Saturdays, Sundays, or federally recognized holidays unless otherwise stated in the Noise Variance Permit.***

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

1. On non-Federal aid projects, requiring the Contractor to reimburse the Contracting Agency for the costs in excess of straight-time costs for Contracting Agency representatives who worked during such times. (The Engineer may require designated representatives to be present during the work. Representatives who may be deemed necessary by the Engineer include but are not limited to: survey crews; personnel from the Contracting Agency's material testing lab; inspectors; and other Contracting Agency employees or third party consultants when, in the opinion of the Engineer, such work necessitates their presence.)
2. Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.
3. Considering multiple work shifts as multiple working days with respect to contract time even though the multiple shifts occur in a single 24-hour period.
4. If a 4-10 work schedule is requested and approved the non-working day for the week will be charged as a working day.
5. If Davis Bacon wage rates apply to this Contract, all requirements must be met and recorded properly on certified payroll

1-08.1(7)A.RTF

1-08.1(7)A Payment Reporting

(November 25, 2024 APWA GSP

Delete this section and replace it with the following:

1-08.1(7)A VACANT

1-08.1(8)B.RTF

1-08.1(8)B Clauses Required in Subcontracts of All Tiers

(November 25, 2024 APWA GSP)

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

1-08.3.GR1

Progress Schedule

COE F1-08.3(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.GR1

Time for Completion

1-08.5.INST2.GR1

Section 1-08.5 is supplemented with the following:

F1-08.5.OPT7.FR1.docx

(March 13, 1995)

This project shall be physically completed within *** twenty-seven (27) working days. ***

1-08.5.OptionA.RTF

1-08.5 Time for Completion

(November 25, 2024 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 in DMCS of the amounts paid including the final payment confirmation to all firms required by Section 1-08.1(7)A if applicable
   d. Final Contract Voucher Certification
   e. Copies of the approved "Affidavit of Prevailing Wages Paid" for the Contractor and all Subcontractors
   f. A copy of the Notice of Termination sent to the Washington State Department of Ecology (Ecology); the elapse of 30 calendar days from the date of receipt of the Notice of Termination by Ecology; and no rejection of the Notice of Termination by Ecology. This requirement will not apply if the Construction Stormwater

General Permit is transferred back to the Contracting Agency in accordance with Section 8-01.3(16).

g. Property owner releases per Section 1-07.24

GLF 1-08.9.OptionB LD induction loop.docx

1-08.9 Liquidated Damages

(March 3, 2021 APWA GSP, Option B & City of Everett)

Revise the second and third paragraphs to read:

Accordingly, the Contractor agrees:

(1). To pay liquidated damages in the amount of $1,000 per working day for failure to splice, test, and make operational induction loops within 10 working days after installation of the final mat of asphalt overlay over each induction loop in accordance with Section 8-20.3(14)C in these Special Provisions.

(2). In addition to the liquidated damages in (1) above, to pay (according to the following formula) liquidated damages for each working day beyond the number of working days established for Physical Completion, and

(3). 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.

1-09.6.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.

1-09.9.GR1

Payments

1-09.9.OptionA.RTF

1-09.9 Payments

(July 8, 2024 APWA GSP, Option A)

Supplement this section with the following:

Lump sum item breakdowns are not required when the bid price for the lump sum item is less than $20,000.

1-09.9.OptionB.RTF

1-09.9 Payments

(July 8, 2024, APWA GSP, Option B)

Delete the fourth paragraph and replace it with the following:

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

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

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

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

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

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

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

1-09.13(3)A.RTF

1-09.13(3)A Arbitration General

(January 19, 2022 APWA GSP)

Revise the third paragraph to read:

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

1-09.13(4).RTF

1-09.13(4) Venue for Litigation

(December 30, 2022 APWA GSP)

Revise this section to read:

Litigation shall be brought in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. It is mutually agreed by the parties that when litigation occurs, the Contractor shall permit the Contracting Agency to have timely access to all records deemed necessary by the Contracting Agency to assist in evaluating the claims or action.

1-10.GR1

Temporary Traffic Control

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

f1-10.3(1)B.RTF.docx

1-10.3(1)B Other Traffic Control Labor

(November 25, 2024, APWA GSP)

Section 1-10.3(1)B is supplemented with the following:

Uniformed Police Officer

Definitions:
Uniformed Police Officer as used in this specification is a "General Authority Washington Peace Officer" as defined by RCW 10.93.020 (3), or a "Specially Commissioned Washington Peace Officer" as defined by RCW 10.93.020(5).
Law Enforcement Agency as used in this specification is a "General Authority Washington Law Enforcement Agency" as defined by RCW 10.93.020(3).

The Contractor shall arrange for off-duty Uniformed Police Officers to be present for the following activities:

1. At the commissioning of a new traffic signal, or the recommissioning of an existing traffic signal which has been upgraded.

2. Countermanding a traffic signal indication at a signalized intersection.

Directing vehicle and pedestrian traffic when a traffic signal indication is turned off or is inoperative. *** To include any time a signalized intersection is dark, flashing red, or inoperative, such as during grinding or paving operations where the traffic signal must be put into flashing operation. Signalized intersections shall not be police controlled between the hours of 6:00am and 8:30am nor 12:00pm to 7:30pm, unless approved by the Engineer. At the time of returning signals to normal operation, a City of Everett traffic signal technician shall be present and on standby since most signals will not return to normal operation with a turn of the police panel switch and require a conflict monitor reset.

Coordination of traffic signal technician shall be coordinated with the following personnel:

City of Everett Public Works
3200 Cedar Street
Everett, WA 98201
Contact:
Steve Sawyer (425) 328-0643
***

3. Where the Engineer deems it necessary for safety, including work during hours of darkness.

It shall be the Contractor's responsibility to secure the off duty Uniformed Police Officer as required by the contract, including the costs to arrange, coordinate, and supervise.

The following contact information is supplied for the Contractor's convenience:

Agency Police Officer
Contact: *** City of Everett Police Officers Association
Post Office Box 1253, Everett, WA 98201
Detective Todd Israel (425) 740-4951, tisrael@everettwa.gov
Officer Omar Estrada (425) 512-7186, oestrada@everettwa.gov
***

County Deputy Sheriff
Contact: *** Snohomish County Deputy Sheriffs Association
Off-Duty Coordinator
Detective Branson Liukko, (425) 231-0235, offduty@snoco.org
***

Washington State Patrol
Contact: *** Dispatch
Phone: (360) 654-1204
Provide Name, Phone, and Nature of Request
Email: D7services@wsp.wa.gov

***

The services provided under the bid item "Uniformed Police Officer" shall be considered a subcontractor with the attendant requirements and responsibilities.

The Contractor must obtain prior approval for use of off-duty Uniformed Police Officers through an Approved Traffic Control Plan and approved amendments to the contract traffic control Plans. The off-duty Uniformed Police Officer shall be in addition to all other personnel required for flagging according to the approved traffic control plan.

A Uniformed Police Officer shall be provided in the event of accidental power outages or disruption of a signalized intersection as a result of Contractor's Work and remain in place until the intersection becomes satisfactorily operational as determined by Agency Engineer or his/her representative.

The UPO shall be capable of issuing legal tickets for offenders and providing their Agency Police Vehicle with active light bars for night visibility.

COE 1-10.3(1)C.RTF

COE 1-10.3(1)C.RTF

(March 2, 2023 COE)

Section 1-10.3(1) is added as follows:

1-10.3(1)C Uniformed Police Officer
(******)

The Contractor shall provide commissioned uniformed police control at any time a signalized intersection is dark or inoperative, such as during grinding or paving operations where the traffic signal must be put into flashing operation. Signalized intersections shall not be police controlled between the hours of 6:00am and 8:30am nor 12:00pm to 7:30pm, unless directed by the Engineer.

Coordination of commissioned uniformed Police control shall be coordinated with the following personnel, listed in order of preference:

1. City of Everett Police Officers Association
   Post Office Box 1253
   Everett, WA 98201
   Contacts:
   Detective Todd Israel 425-740-4951, tisrael@everettwa.gov
   Officer Omar Estrada 425-512-7186, oestrada@everettwa.gov

2. Puget Sound Executive Services
   625 B 5th Avenue, Suite 4
   Sequim, WA 98382
   Contact:
   Nick Janssen (360) 681-7737

At the time of returning signals to normal operation, a city of Everett traffic signal technician shall be present and on standby since most signals will not return to normal operation with a turn of the police panel switch and require a conflict monitor reset.

Coordination of traffic signal technician shall be coordinated with the following personnel:

1. City of Everett Public Works
   3200 Cedar Street
   Everett, WA 98201
   Contact:
   Steve Sawyer (425) 328-0643

1-10.4.GR1

Measurement

1-10.4(2).RTF

1-10.4(2) Item Bids With Lump Sum for Incidentals

(November 25, 2024, APWA GSP)

Section 1-10.4(2) is supplemented with the following:

"Uniformed Police Officer" will be measured by the hour. Hours will be measured for each fully equipped Uniformed Police Officer, including vehicle, if required, directing or monitoring traffic, as shown on an approved Traffic Control Plan in accordance with Section 1-10.3(1)B of these Special provisions.

1-10.4(2).INST1.GR1

Section 1-10.4(2) is supplemented with the following:

1-10.4(2).OPT6.GR1

(May 20, 2020)
"Contractor Provided Uniformed Police Officer" will be measured by the hour.

1-10.5(2).GR1

Item Bids with Lump Sum for Incidentals

1-10.5(2).INST1.GR1

Section 1-10.5(2) is supplemented with the following:

1-10.5(2).OptionB.RTF

1-10.5(2) Item Bids with Lump Sum for Incidentals

(November 25, 2024, APWA GSP, Option B)

Section 1-10.5(2) is supplemented with the following:

"Uniformed Police Officer", per hour

The unit contract price for "Uniformed Police Officer", when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the Contract Work defined in Section 1-10.3(1)B of these Special Provisions, including all costs for arrangement for and supervision of uniformed law enforcement personnel and vehicles to participate in the Contractor's traffic control activities.

END DIVISION1.RTF

END DIVISION 1

DIVISION2.GR2

Division 2
Earthwork

GLF 2-08.DOCX

2-08 STREET CLEANING

(******)

Section 2-08 of the standard specifications is vacant shall be replaced by the following:

2-08.1 Description

This work shall consist of sweeping all construction related roads, and cleaning the pavement and removing debris from the roadway.

2-08.2 Vacant

2-08.3 Construction Requirements

The use of water to perform street sweeping work shall be held to a minimum unless designated otherwise by the Engineer. The contractor shall provide self-propelled pickup sweepers and/or vacuum pick up sweepers for pavement cleaning and debris removal whenever their use is ordered by the Engineer. The type and number of sweepers are subject to the approval of the Engineer.

Daily sweeping shall continue on all construction related roads at least once per day until said surface is covered with new HMA. In the event the Contractor sweeper will not be able to work daily on ground surfaces, the City Forces will provide services, and the Contractor will be billed for each hour of operation.

The following work shall not be paid by “Street Cleaning”, it shall be included in the bid item “Planing Bituminous Pavement” (2” Deep), per square yard:

1. Sweepers following the grinding work.
2. Debris left in the road or on the side of the road from Planing Bituminous Pavement.

The Contractor shall plan the operation to minimize the need for street cleaning.

2-08.4 Measurement

Street cleaning will be measured by the hour for the actual time consumed in sweeping, pavement cleaning, and debris removal. No allowance will be made for time consumed in making repairs to the equipment or for moving the equipment to or from the site on which the street cleaning is ordered. No separate payment will be made for water required for the normal operation of the pickup sweepers.

2-08.5 Payment

Payment will be made in accordance with Section 1-04.1 for the following bid item:

"Street Cleaning", per hour.

END DIVISION2.RTF

END DIVISION 2

DIVISION5.GR5

Division 5
Surface Treatments and Pavements

COE 5-04.RTF

5-04 Hot Mix Asphalt

(March 26, 2025 City of Everett based on January 31, 2023 APWA GSP)

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

5-04.1 Description

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

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

5-04.2 Materials

Materials shall meet the requirements of the following sections:

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

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

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

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

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

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

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

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

5-04.2(1) How to Get an HMA Mix Design on the QPL

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

5-04.2(1)A Vacant

5-04.2(2) Mix Design - Obtaining Project Approval

No paving shall begin prior to the approval of the mix design by the Engineer.

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

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

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

- The WSDOT Mix Design Evaluation Report from the current WSDOT QPL, or one of the mix design verification certifications listed below.
- The proposed HMA mix design on WSDOT Form 350-042 with the seal and certification (stamp & signature) of a valid licensed Washington State Professional Engineer.

- The Mix Design Report for the proposed HMA mix design developed by a qualified City or County laboratory that is within one year of the approval date.

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

Mix designs for HMA accepted by Nonstatistical evaluation shall:

- Be designed for
  ***

  - 7500 Evergreen Way, S/B right lane - Bruin Blvd to 75th St – 16.0
  - Evergreen Way, N/B right lane - Everett Mall Way to 100th St – 14.0
  - Ross Ave - 35th Ave NE to 12th St NE – 8.0
  - 34th Ave NE - Ross Ave to SB 529 Off Ramp – 8.0
  - E Casino Rd - Bruin Blvd to Beverly Blvd – 6.0

  ***

  million equivalent single axle loads (ESALs).

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

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

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

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

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

The Contractor may elect to use additives that reduce the optimum mixing temperature or serve as a compaction aid for producing HMA. Additives include organic additives,

chemical additives and foaming processes. The use of Additives is subject to the following:

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

5-04.3 Construction Requirements

5-04.3(1) Weather Limitations

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

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

Minimum Surface Temperature for Paving

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

5-04.3(2) Paving Under Traffic

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

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

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

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

All costs in connection with performing the Work in accordance with these requirements, except the cost of temporary pavement markings, 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

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

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

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

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

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

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

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

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

5-04.3(5)A Vacant

5-04.3(6) Mixing

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

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

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

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

5-04.3(7) Spreading and Finishing

The mixture shall be laid upon an approved surface, spread, and struck off to the grade and elevation established. HMA pavers complying with Section 5-04.3(3) shall be used

to distribute the mixture. Unless otherwise directed by the Engineer, the nominal compacted depth of any layer of any course shall not exceed the following:

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

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

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

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

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

5-04.3(9) HMA Mixture Acceptance

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

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

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

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

HMA Tolerances and Adjustments

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

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

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

For Aggregates in the mixture:

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

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

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

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

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

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

5-04.3(9)A Vacant

5-04.3(9)B Vacant

5-04.3(9)C Mixture Acceptance – Nonstatistical Evaluation

HMA mixture which is accepted by Nonstatistical Evaluation will be evaluated by the Contracting Agency by dividing the HMA tonnage into lots.

5-04.3(9)C1 Mixture Nonstatistical Evaluation – Lots and Sublots

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

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

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

5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling

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

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

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

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

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

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

Testing of HMA for compliance of V_a will at the option of the Contracting Agency. If tested, compliance of V_a will use WSDOT SOP 731.

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

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

5-04.3(9)C4 Mixture Nonstatistical Evaluation – Pay Factors

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

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

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

5-04.3(9)C5 Vacant

5-04.3(9)C6 Mixture Nonstatistical Evaluation – Price Adjustments

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

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

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

The Contractor may request a sublot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the

sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency, V_a. The results of the retest will be used for the acceptance of the HMA in place of the original sublot sample test results. The cost of testing will be deducted from any monies due or that may come due the Contractor under the Contract at the rate of $500 per sample.

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

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

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

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

5-04.3(10) HMA Compaction Acceptance

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a CPF of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 92.0 (minimum of 92 percent of the maximum density). The maximum density shall be determined by WSDOT FOP for AASHTO T 729. The specified level of density attained will be determined by the evaluation of the density of the pavement. The density of the pavement shall be determined in accordance with WSDOT FOP for WAQTC TM 8, except that gauge correlation will be at the discretion of the Engineer, when using the nuclear density gauge and WSDOT SOP 736 when using cores to determine density.

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

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

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

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

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

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

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

Test Results

For a sublot that has been tested with a nuclear density gauge that did not meet the minimum of 92 percent of the reference maximum density in a compaction lot with a CPF below 1.00 and thus subject to a price reduction or rejection, the Contractor may request that a core be used for determination of the relative density of the sublot. The relative density of the core will replace the relative density determined by the nuclear density gauge for the sublot and will be used for calculation of the CPF and acceptance of HMA compaction lot.

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

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

Compaction shall take place when the mixture is in the proper condition so that no undue displacement, cracking, or shoving occurs. Areas inaccessible to large compaction

equipment shall be compacted by other mechanical means. Any HMA that becomes loose, broken, contaminated, shows an excess or deficiency of asphalt, or is in any way defective, shall be removed and replaced with new hot mix that shall be immediately compacted to conform to the surrounding area.

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

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

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

5-04.3(10)C Vacant

5-04.3(10)D HMA Nonstatistical Compaction

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

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

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

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

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

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

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

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

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

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

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

5-04.3(11) Reject Work

5-04.3(11)A Reject Work General

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

5-04.3(11)B Rejection by Contractor

The Contractor may, prior to sampling, elect to remove any defective material and replace it with new material. Any such new material will be sampled, tested, and evaluated for acceptance.

5-04.3(11)C Rejection Without Testing (Mixture or Compaction)

The Engineer may, without sampling, reject any batch, load, or section of Roadway that appears defective. Material rejected before placement shall not be incorporated into the pavement. Any rejected section of Roadway shall be removed.

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

5-04.3(11)D Rejection - A Partial Sublot

In addition to the random acceptance sampling and testing, the Engineer may also isolate from a normal sublot any material that is suspected of being defective in relative density, gradation or asphalt binder content. Such isolated material will not include an original sample location. A minimum of three random samples of the suspect material will be obtained and tested. The material will then be statistically evaluated as an independent lot in accordance with Section 1-06.2(2).

5-04.3(11)E Rejection - An Entire Sublot

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

5-04.3(11)F Rejection - A Lot in Progress

The Contractor shall shut down operations and shall not resume HMA placement until such time as the Engineer is satisfied that material conforming to the Specifications can be produced:

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

5-04.3(11)G Rejection - An Entire Lot (Mixture or Compaction)

An entire lot with a CPF of less than 0.75 will be rejected.

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

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

A temporary wedge of HMA constructed on a 20H:1V shall be constructed where a transverse joint as a result of paving or planing is open to traffic. The HMA in the temporary wedge shall be separated from the permanent HMA by strips of heavy wrapping paper or other methods approved by the Engineer. The wrapping paper shall be removed and the joint trimmed to a slightly beveled edge for the full thickness of the course prior to resumption of paving.

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

5-04.3(12)A2 Longitudinal Joints

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

5-04.3(12)B Bridge Paving Joint Seals

Bridge Paving Joint Seals shall be in accordance with Section 5-03.

5-04.3(13) Surface Smoothness

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

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

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

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

3. By other method approved by the Engineer.

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

Deviations in excess of the above tolerances that result from a low place in the HMA and deviations resulting from a high place where corrective action, in the opinion of the Engineer, will not produce satisfactory results will be accepted with a price adjustment. The Engineer shall deduct from monies due or that may become due to the Contractor the sum of $500.00 for each and every section of single traffic lane 100 feet in length in which any excessive deviations described above are found.

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

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

5-04.3(14) Planing Bituminous Pavement

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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.

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

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

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

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

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

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

A tapered wedge cut must also be made at transitions to adjoining pavement surfaces (meet lines) where butt joints are shown on the Drawings. Cut butt joints in a straight line with vertical faces 2 inches or more in height, producing a smooth transition to the existing adjoining pavement.

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

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

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

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

Should such metal be identified, promptly notify the Engineer.

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

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

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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.

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

5-04.3(14)B1 General

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

1. Intersections:

    a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).

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

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

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

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

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

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

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

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

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

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

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

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

temporary pavement markings and channelizing devices after each day's planing, and paving.

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

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

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

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

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

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

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

9. A copy of the approved Mix Designs.

10. Tonnage of HMA to be placed each day.

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

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

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

1. General for both the Paving and Planing:

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

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

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

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

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

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

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

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

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

   j. Other items the Engineer deems necessary to address.

2. Paving – additional topics:

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

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

   c. Number of JMFs to be placed, and if more than one JMF is used, how the Contractor will ensure different JMFs are distinguished, how pavers and how

MTVs are distinguished, and how pavers and MTVs are cleaned so that one JMF does not adversely influence the other JMF.

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

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

5-04.3(15) Sealing Pavement Surfaces

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

5-04.3(16) HMA Road Approaches

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

5-04.4 Measurement

HMA Cl. ___ PG ___, HMA for ___ Cl. ___ PG ___, and Commercial HMA will be measured by the ton in accordance with Section 1-09.2, with no deduction being made for the weight of asphalt binder, mineral filler, or any other component of the mixture. If the Contractor elects to remove and replace mix as allowed by Section 5-04.3(11), the material removed will not be measured.

Roadway cores will be measured per each for the number of cores taken.

Pavement repair excavation will be measured by the square yard of surface marked prior to excavation.

Planing bituminous pavement will be measured by the square yard.

5-04.5 Payment

Payment will be made for each of the following Bid items that are included in the Proposal:

"HMA Cl. ___ PG ___", per ton.

"HMA for Approach Cl. ___ PG ___", per ton.

"HMA for Preleveling Cl. ___ PG ___", per ton.

"HMA for Pavement Repair Cl. ___ PG ___", per ton.

"Commercial HMA", per ton.

The unit Contract price per ton for “HMA Cl. ___ PG ___”, “HMA for Approach Cl. ___ PG ___”, “HMA for Preleveling Cl. ___ PG ___”, “HMA for Pavement Repair Cl. ___ PG ___”, and “Commercial HMA” shall be full compensation for all costs, including anti-stripping additive, incurred to carry out the requirements of Section 5-04 except for those costs included in other items which are included in this Subsection and which are included in the Proposal.

“Pavement Repair Excavation Incl. Haul”, per square yard.

The unit Contract price per square yard for “Pavement Repair Excavation Incl. Haul” shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(4) with the exception, however, that all costs involved in the placement of HMA shall be included in the unit Contract price per ton for “HMA for Pavement Repair Cl. ___ PG ___”, per ton.

“Asphalt for Prime Coat”, per ton.

The unit Contract price per ton for “Asphalt for Prime Coat” shall be full payment for all costs incurred to obtain, provide and install the material in accordance with Section 5-04.3(4).

“Prime Coat Agg.”, per cubic yard, or per ton.

The unit Contract price per cubic yard or per ton for “Prime Coat Agg.” shall be full pay for furnishing, loading, and hauling aggregate to the place of deposit and spreading the aggregate in the quantities required by the Engineer.

“Planing Bituminous Pavement ***(2” Deep)***”, per square yard.

The unit Contract price per square yard for “Planing Bituminous Pavement” shall be full payment for all costs incurred to perform the Work described in Section 5-04.3(14).

“Job Mix Compliance Price Adjustment”, by calculation.

“Job Mix Compliance Price Adjustment” will be calculated and paid for as described in Section 5-04.3(9)C6.

“Compaction Price Adjustment”, by calculation.

“Compaction Price Adjustment” will be calculated and paid for as described in Section 5-04.3(10)D3.

“Roadway Core”, per each.

The Contractor's costs for all Work associated with the coring (e.g., traffic control) shall be incidental and included in the unit Bid price per each.

"Cyclic Density Price Adjustment", by calculation.

"Cyclic Density Price Adjustment" will be calculated and paid for as described in Section 5-04.3(10)B.

5-04.5.OPT2.GR5

(January 13, 2021)

Asphalt Cost Price Adjustment

The Contracting Agency will make an Asphalt Cost Price Adjustment, either a credit or a payment, for qualifying changes in the reference cost of asphalt binder. The adjustment will be applied to partial payments made according to Section 1-09.9 for the following bid items when they are included in the proposal:

"HMA Cl. ___ PG ___"
"HMA for Approach Cl. ___ PG ___"
"HMA for Preleveling Cl. ___ PG ___"
"HMA for Pavement Repair Cl. ___ PG ___"
"Commercial HMA"

The adjustment is not a guarantee of full compensation for changes in the cost of asphalt binder. The Contracting Agency does not guarantee that asphalt binder will be available at the reference cost.

The Contracting Agency will establish asphalt binder reference costs twice each month and post the information on the Agency website at: https://wsdot.wa.gov/business-wsdot/contracts/about-public-works-contracts/payments-reporting/asphalt-binder-reference-cost. The reference cost will be determined using posted prices furnished by Poten & Partners, Inc. If the selected price source ceases to be available for any reason, then the Contracting Agency will select a substitute price source to establish the reference cost.

Price adjustments will be calculated one time per month. No price adjustment will be made if the Current Reference Cost is within +/-5% of the Base Cost. Reference costs for projects located in Eastern versus Western Washington shall be selected from the column in the WSDOT website table labeled "Eastern", or "Western", accordingly. The adjustment will be calculated as follows:

If the reference cost is greater than or equal to 105% of the base cost, then
Asphalt Cost Price Adjustment = (Current Reference Cost – (1.05 x Base Cost)) x (Q x 0.056).

If the reference cost is less than or equal to 95% of the base cost, then
Asphalt Cost Price Adjustment = (Current Reference Cost – (0.95 x Base Cost)) x (Q x 0.056).

Where: **Current Reference Cost** is selected from the website table based on the "Date Effective" that immediately precedes the current month's

progress estimate end date. For work completed after all authorized working days are used, the adjustment will be based on the posted reference cost during which contract time was exhausted.

Base Cost is selected from the website table based on the "Date Effective" that immediately precedes the contract bid opening date, and shall be a constant for all monthly adjustments.

Q = total tons of all classes of HMA paid in the current month's progress payment.

"Asphalt Cost Price Adjustment", by calculation.

"Asphalt Cost Price Adjustment" will be calculated and paid for as described in this section. For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount in the proposal to become a part of the total bid by the Contractor.

END DIVISION5.RTF

END DIVISION 5

DIVISION7.GR7

Division 7
Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains, and Conduits

7-05.DOCX

Manholes, Inlets, Catch Basins, and Drywells

7-05.3.DOCX

Construction Requirements

GLF 7-05.3(1).DOCX

Adjusting Manholes and Catch Basins to Grade

Section 7-05.3(1) of the standard specifications is deleted and replaced with the following:

(******)

In most work locations, planing depth is equal to overlay depth. Therefore, significant iron adjustment is not anticipated, and adjustment of structures to grade shall occur only as needed and/or directed by the engineer.

Manholes, catch basins, and other structures shall not be adjusted to grade until the pavement is completed, at which time the center of each structure shall be carefully relocated from references previously established by the Contractor. The structure shall then be brought to proper grade as follows:

1. The existing cast iron ring and cover on manholes and existing cast iron frame and grates for catch basins and inlets shall be removed and thoroughly cleaned before reinstalling at the new elevation.

2. The asphalt concrete pavement shall be cut and removed to a new circle, the diameter of which shall be equal to the outside diameter of the cast iron frame plus 2'.

3. The roadway surface materials and crushed rocks shall be removed so the structure casting can be adjusted to the finished road grade elevation.

4. The cast iron frame shall be placed on concrete blocks and wedged up to the desired grade with plastic wedges.

5. The edges of the asphalt concrete pavement and the outer edge of the castings shall be painted with tack and HMA Class ½" PG 64-22 shall be placed and compacted in layers to a minimum of 91% of the maximum theoretical density of the HMA.

The completed patch shall match the existing paved surface for texture, density, and uniformity of grade. The joint between the patch and the existing pavement shall

then be carefully painted with hot asphalt cement or asphalt emulsion and shall be immediately covered with dry paving sand before the asphalt cement solidifies.

The inside throat of the structure shall be thoroughly mortared and plastered through to the outside of the structure's concrete adjustment rings.

Castings that need replacement shall be identified by the City of Everett. Replacement casting will be supplied by the City of Everett and original casting will be picked up by the City of Everett.

GLF 7-05.3(5).DOCX

Adjusting Valve Boxes to Grade

(******)

Section 7-05.3 of the standard specifications is supplemented with the following:

(******)

Where shown in the plans, existing valve boxes and covers shall be adjusted to the grade as staked or otherwise designated by the Engineer. The adjustment of the valve box to grade by the use of riser rings is not allowed.

Removal operations shall be conducted to prevent damage to the valve boxes. Any parts or materials damaged due to the Contractor's operations shall be replaced at the Contractor's expense.

The Contractor shall conduct the valve box adjustments so that the fully-adjusted box allows the respective valve to be fully operational. The Contractor shall remove all debris from the adjusted valve boxes to ensure such operational condition.

Castings that need replacement shall be identified by the City of Everett. Replacement casting will be supplied by the City of Everett and original casting will be picked up by the City of Everett.

GLF 7-05.4.DOCX

7-05.4 Measurement

Section 7-05.4 of the standard specifications is deleted and replaced with the following:

(******)

"Adjust Manhole to Grade", shall be measured per each.

"Adjust Catch Basin/Inlet to Grade", shall be measured per each.

"Adjust Valve Box to Grade", shall be measured per each.

GLF 7-05.5.DOCX

7-05.5 Payment

Section 7-05.5 of the standard specifications is deleted and replaced with the following:

(******)

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

"Adjust Manhole to Grade", per each.

"Adjust Catch Basin/Inlet to Grade", per each.

"Adjust Valve Box to Grade", per each.

The payment for "Adjust Manhole to Grade", "Adjust Catch Basin/Inlet to Grade", shall be full compensation for all costs necessary to make the adjustment including temporary cover to adjust the existing structure to required elevation, construction of the asphalt transition around the structure, and restoration of the adjacent area. Adjustment of any structures twice will be paid as one adjustment.

END DIVISION7.RTF

END DIVISION 7

DIVISION8.GR8

Division 8
Miscellaneous Construction

CNH 8-09.DOCX

8-09 RAISED PAVEMENT MARKERS
(******)

8-09.1 Description

Section 8-09.1 is supplemented with the following:

At locations called for in the Appendices to the Special Provisions, the Work shall consist of installing white and yellow pavement markers between skip lines or on centerline at 40' centers. Raised pavement markers shall meet the requirements of Section 8-09 and City of Everett Standard Drawing 720.

At locations staked by the engineer, the Work shall consist of installing blue pavement markers at each fire hydrant adjacent to the nearest yellow paint line, on the side of the line that the hydrant is closest. Where multiple yellow lines exist, such as two way left turn lane lines or painted islands, only one marker will be installed adjacent to the nearest yellow paint line.

8-09.2 Materials

Section 8-09.2 is supplemented with the following:

White and yellow Raised Pavement Marker (RPM) Type 2 shall be selected from approved materials listed in the WSDOT Qualified Products List.

Blue Raised Pavement Marker (RPM) Type 2 shall be bi-directional blue-blue with abrasion resistant lens or coating and shall be one of the following:

1. 3M Series 290 Model 295-2B
2. Stimsonite Model 911-AB

8-09.3 Construction Requirements

Section 8-09.3 is supplemented with the following:

8-09.3(5) Asphalt Adhesives

Section 8-09.3(5) is supplemented with the following:

Adhesive for blue raised pavement markers on all hot mix asphalt surfaces shall be bituminous conforming to the requirements of Section 9-02.1(8) and be Crafco #34269 or approved equal, or, shall be Flint Premark Bundy Adhesive #8430055BK 5" by 5" installed per manufacturer's recommendations.

8-09.4 Measurement

Section 8-09.4 is supplemented with the following:

Measurement of markers will be per hundred for markers furnished and in place.

8-09.5 Payment

Section 8-09.5 is supplemented with the following:

Payment will be made in accordance with section 1-04.1, for the following Bid item included in the Proposal:

"Raised Pavement Marker Type 2", per hundred.

GLF 8-13.DOCX

8-13 MONUMENT CASES

Section 8-13 of the standard specifications is deleted and replaced by the following:

(******)

8-13.1 Description

This work will consist of adjusting existing survey monument cases to grade in accordance with Standard Drawing No. 323 and these Special Provisions.

8-13.2 Vacant

8-13.3 Construction Requirements

Existing monument castings shall be adjusted to grade in the same manner as for manholes in Section 7-05.3(1) of these Special Provisions.

8-13.4 Measurement

Measurement of monument case and cover will be by the unit for each monument case and cover adjusted to grade.

8-13.5 Payment

Payment will be made for the following bid items when included in the proposal:

"Adjust Existing Monument Castings to Grade," per each;

The unit contract price for "Adjust Existing Monument Casing to Grade" shall include all costs to adjust the casting to finished grade.

8-20.GR8

Illumination, Traffic Signal Systems, Intelligent Transportation Systems, and Electrical

8-20.2.GR8

Materials

8-20.2.INST1.GR8

Section 8-20.2 is supplemented with the following:

CNH 8-20.2(9-29.3(2)) DETECTOR CABLE.DOCX

Fiber Optic Cable, Electrical Conductors, and Cable

Section 9-29.3 is supplemented with the following:

9.29.3(2)F Detector Loop Wire

Section 9-29.3(2)F is revised to read as follows:

(******)

Detector loop wire for round loops shall use 14 AWG stranded copper conductors, and shall conform to IMSA Specification 51-7, with cross-linked polyethylene (XLPE) insulation encased in a polyethylene outer jacket (PE tube).

(******)

9.29.3(2)J Loop Detector Lead-In Cable (New Section)

Loop Detector Lead-In Cable (1 pair)

Two conductor shielded #14 AWG lead-in cable conforming to IMSA Specification #50-2-1984 shall be installed where shown in the wiring schedule in the Plans. Where existing loop lead-in cable is present, the existing cable shall be pulled out and disposed of. The new lead-in cable shall be spliced to the loop wires utilizing Buchanan splice caps and crimper and a scotch cast epoxy 82-B1 splice kit or approved equal as detailed in City Standard Drawings 806A, B and C. Where the wiring schedule in the plans calls for more than one loop detector to be spliced into a single lead-in cable, the loops shall be wired in series. The loop detector lead-in cable shall be pulled into the controller cabinet and connected to the detector channel terminals as indicated in the loop detector schedule in the plans.

Loop Detector Lead-In Cable (2 or 3 pair)

Two or three pair loop detector lead-in cable shall be installed where shown in the wiring schedule in the plans. Belden 1037A and 1055A cables are a pre-approved source. Other cables may be submitted for approval consistent with the following specifications: Multi pair loop detector lead-in cable shall consist of two or three individually twisted and shielded pairs of #16 AWG stranded copper wire, surrounded by an outer jacket of polyvinyl chloride (PVC). Each pair shall also contain a stranded copper drain wire and shall be individually shielded with an aluminum polyester foil shield.

8-20.3.GR8

Construction Requirements

8-20.3(14).GR8

Signal Systems

CNH 8-20.3(14)C INDUCTION LOOPS.DOCX

8-20.3(14)C Induction Loop Vehicle Detectors

Section 8-20.3(14)C is supplemented with the following:

(******)

Induction loops shall be constructed as detailed in City of Everett Drawing Nos. 804, 805, 809, 810, and Section 8-20.3(14)C of the Standard Specifications with the following modifications:

1. The loop locations shall be marked on the pavement by the contractor and approved by the engineer prior to sawcutting. At no point shall any of the sawcuts pass closer than 2' to any utility cover.
2. Loop detector sealant shall be as shown in City of Everett Standard Drawing 809, or as approved by the Engineer.
3. Rope is not required.
4. Loops shall not be installed in rainy weather or at temperatures below 40°.
5. Loops shall be placed in the sawcut in a clockwise direction.
6. The loop sealant shall be applied in accordance with the manufacturer's recommendations.
7. Detector loop wire shall use 14 AWG stranded copper conductors, and shall conform to IMSA Specification 51-7, with cross-linked polyethylene (XLPE) insulation encased in a polyethylene outer jacket (PE tube).
8. The area around the conduit stub-out shall be patched with hot mix asphalt concrete if it is greater than 2" in width.
9. The sawcuts shall be of uniform depth and any sharp edges, abrasions or ridges shall be removed prior to placing the wire.
10. The sawcut depth shall be a minimum of 3½" and shall provide a minimum of 2" cover above the loop wires.
11. The sawcut width shall be a minimum of 1/4" for the loop and 3/8" for the home run.
12. The sawcut shall be cleaned out with a high pressure water stream and then dried with compressed air prior to placing the wire.
13. All splices between the loop wire and the loop lead-in cable shall be soldered and utilize a splice kit in conformance with Standard Drawing 809.
14. When the roadway is to be overlaid as a part of the project, the loops shall be installed prior to the final overlay.
15. Circular loops are standard installations. Where shown in the Plans, the contractor shall install quadrupole loops at stop lines due to stub-out diameter. At locations where quadrupole loops are shown and adequate stub-out diameter exists, round loops may be substituted for quadrupole loops.

Existing Traffic Loops

The Contractor shall notify the Area Traffic Engineer through the Engineer a minimum of **five (5)** working days in advance of pavement removal or grinding in areas with existing loops.

If the Engineer suspects that damage to any loop, not identified in the Plans as being replaced, may have resulted from Contractor's operations or is not operating adequately, the Engineer may order the Contractor to perform the field tests specified in Section 8 20.3(14)D. The test results shall be recorded and submitted to the Engineer. Loops that fail any of these tests shall be replaced.

Loops that fail the tests, as described above, and are replaced shall be installed in accordance with current City of Everett design standards and Standard Drawings, as determined by the Engineer.

If traffic signal loops that fail the tests, as described above, are not replaced and operational within 5 working days, the Contractor shall install and maintain interim video detection until the replacement loops are operational. The type of interim video detection furnished shall be approved by the Engineer prior to installation.

GLF 8-20.4.DOCX

8-20.4 Measurement

Section 8-20.4 is supplemented with the following:

(******)

"Vehicle Loop Detectors", for both loop perimeter and home run, shall be measured by the linear foot of the neat sawcut line in place in the roadway. No additional measurement will be made for the installation of lead-in conduit and shall be included in the measurement

"Loop Detector Lead-In Cable" shall be measured by the linear foot of the neat line of conduit between the controller cabinet and loop splice. No additional measurement will be made for coiled loop detector cable in junction boxes or cabinets.

"Conduit Pipe 2 In. Diam." shall be measured by the linear foot of the neat line of conduit between the junction box and the curb line. No additional measurement will be made for sweeps or elbows in junction boxes or at the curb line.

GLF 8-20.5.DOCX

8-20.5 Payment

Section 8-20.5 is supplemented with the following:

(******)

"Vehicle Loop Detectors," per linear foot.

The unit contract price shall include saw cutting, cleaning and drying of pavement, installing loops and home runs, loop lead-in conduits, loop wire, sealant, splice kit and splicing between loop wire and lead-on cable, any work necessary to access a junction box and testing of the vehicle detectors as defined in Section 8-20.3(14)D.

No payment shall be made for any loops that are not spliced and fully operational, including any loop detector lead in cable required to make the loop operational.

“Loop Detector Lead-In Cable”, per linear foot.

The unit contract price shall be full pay for furnishing and installing each loop detector lead-In cable in existing conduits between the traffic signal control cabinet and loop splice point, including all and all other Work necessary terminate loop lead in cable at either end.

No payment shall be made for any detector lead-in cable that is not spliced and fully operational, including any testing required to make the loop operational.

“Conduit Pipe 2 In. Diam.”, per linear foot.
The unit contract price shall be full pay as described in this Section for furnishing and installing each conduit stub-out where shown in the Plans, including furnishing all conduit, elbows, bends, and fittings for placing the pipe in accordance with the above provisions, including all excavation or jacking required, backfilling of any voids around stub out, pits, or trenches; bedding of the pipe, chipping of pavement, and all other Work necessary for the construction of the conduit stub-out.

“Video Detection System ____”, lump sum.

The lump sum Contract price for “Video Detection System ____”, shall be full pay for the construction of the complete video detection system as described above and as shown in the Plans, and herein specified, including complete installation of owner furnished materials to provide a fully functioning video detection system at the location described. The Contract price shall include restoring facilities destroyed or damaged during construction, salvaging existing materials, and for making all required tests. All additional materials and labor, not shown in the Plans or called for herein and which are required to complete the video detection system, shall be included in the lump sum Contract price. Removal and salvage of existing materials associated with the construction not shown in the Plans or called for herein and which are required to complete the video detection system, shall be included in the lump sum Contract price.

CNH 8-22.DOCX

8-22 PAVEMENT MARKING

8-22.2 Materials

Section 8-22.2 is supplemented with the following:

(******)

All plastic marking shall be Type D.

8-22.3 Construction Requirements

Section 8-22.3 is supplemented with the following:

(******)

Pavement markings shall be installed in accordance with Section 8-22.3 of the Standard Specifications with the following modifications:

1) All Stop Line shall be 24” wide Type D extruded plastic flat line. Spray Type D is not allowed.

2) All Crosswalk Line shall be solid white lines, 24” wide, installed in accordance with City of Everett Standard Drawing No. 721 and shall be Type D extruded plastic flat line. Spray Type D is not allowed.

3) All two-way left turn yellow lines and lane lines dividing two opposing directions of travel shall be Type D plastic flat line.

4) Profiled plastic Type D material, where called for in the Appendices to the Special Provisions, shall be used for lane line dividing traffic in the same direction of travel including plastic skip white lane line, and solid white edge line, or other lines staked by the Engineer.

5) All white parking lines shall be shall be Type D plastic flat line.

6) All wide line and dotted extension line shall be Type D plastic flat line.

7) Access parking space symbols, arrows, letters, bicycle symbols, and speed hump symbols shall be Type D extruded plastic flat line. Spray Type D is not allowed.

8-22.3(1) Preliminary Spotting

Section 8-22.3(1) is supplemented with the following:

(******)

Contractor Surveying – Roadway Striping and Channelization

No survey control data or layout will be furnished by the Contracting Agency. The Contractor shall be solely responsible for detailed documentation (records) of all existing pavement markings and channelization in the field prior to grinding operations. This work includes but is not limited to: field notes, sketches, offset markings on curbs or staking if no curb exists.

The records and offset marking/staking shall be adequate to allow the pavement markings to be reproduced to a level of accuracy shown below:

Lane widths	±0.1 feet (normal to alignment)
Longitudinal location of arrows and letters	±1.0 feet (parallel to alignment)

Longitudinal location of stop lines	±1.0 feet (parallel to alignment)
Transverse location of arrows and letters	±0.1 feet (normal to alignment)
Longitudinal location of transitions and tapers	±1.0 feet (parallel to alignment)
Pavement marking starts and stops	±1.0 feet (parallel to alignment)

The Contractor shall provide copies of any calculations, notes, and layout data to the Engineer, or their assigned representative, prior to grinding. The Contracting Agency will review the provided data, check the existing layout and provide revisions as necessary for establishment of lane widths, arrow and letter locations, tapers, transitions, other modifications, and pavement seams. The Contracting Agency will require up to seven calendar days from the date the data is received to conduct this review. No pavement grinding will be allowed before this review is complete. The Contractor will make adjustments to the curb marking and stakes to match the revisions prior to grinding.

Based on these records and/or the offset staking, the Contractor shall perform all field marking and preliminary spotting for all pavement marking and channelization following grinding operations, for temporary only. The Contracting Agency shall perform all field marking for permanent pavement marking and channelization. All calculations, surveying, and measuring required for setting and maintaining the necessary lines for the temporary pavement marking shall be the Contractor's responsibility.

Preliminary spotting shall be provided at a spacing of 40 foot maximum on tangents and 25 foot maximum on curves and tapers. All curves, tapers, stop lines, and crosswalks shall be laid out with a rope. Field layout for curves and tapers shall use an 800’ minimum length rope. The color of the material used for preliminary spotting shall be white. Longitudinal marking shall be parallel with the proposed line applied with a paint marker wand or other approved method, a minimum of 6 inches in length and wide enough so that a minimum of two marks can be clearly seen at night under ordinary headlight conditions. Refreshing of marks prior to striping shall be the responsibility of the Contractor.

Personnel performing the field layout and preliminary spotting shall be proficient in the practice of striping layout, including layout and preliminary spotting of curves and tapers using a rope and paint wand, proper annotation on the pavement of starts, stops, and changes in line type for pavement markings, and an understanding of WSDOT Standard Plans and City Standard Drawings for pavement markings.

Survey personnel performing the calculations, notes, and layout data shall be on site to answer questions regarding the layout notes as the roadway is being spotted or shall perform the work. In the event a revision is required by the Contracting Agency during field layout, either to correct errors in the notes or to make minor revision noted in the ordinary progress of the work, field layout shall be performed by the Contractor at the time.

All field layout and temporary pavement marking shall be completed during the same shift as the striping is obliterated by grinding or paving unless otherwise directed by the Engineer.

Permanent pavement marking shall not begin until the layout is approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the field markings.

Payment

All costs associated with layout of temporary striping shall be included in the associated bid items for pavement marking and shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified for layout and preliminary spotting of pavement markings, including any resurveying, checking, correction of errors, replacement of missing or damaged markings, and coordination efforts.

8-22.3(2) Preparation of Roadway Surfaces

Section 8-22.3(2) is supplemented with the following:

(******)

Apply materials to new HMA that is sufficiently cured according to the manufacturer's recommendation. Permanent paint marking material applied to new HMA require a pavement cure period of at least 21 days. Permanent Type D marking material applied to new HMA require a pavement cure period of at least 10 days.

8-22.4 Measurement

Section 8-22.4 is supplemented read as follows:

(******)

The measurement for "Plastic Sharrow" will be per each unit installed.

The measurement of aerial survey marker and access parking space symbol will be per each for each marker installed.

8-22.5 Payment

Section 8-22.5 is supplemented read as follows:

(******)

"Plastic Sharrow", per each.

COE 8-22 BIKE PAVEMENT MARKING.rtf
CAC 8-22 BIKE PAVEMENT MARKING.rtf

8-22 PAVEMENT MARKING

(******)

Section 8-22 of the Standard Specification is supplemented by the following:

8-22.2 Materials

All plastic marking shall be Type B or Type D plastic. Spray Type D is not allowed.

Where called for in the plans, green color pavement markings shall meet the requirements of MUTCD Interim Approval for Optional Use of Green Colored Pavement for Bike Lanes, IA-14. The color shall be green and will comply with FHWA standards for daytime and nighttime chromaticity values.

a. The daytime chromaticity coordinates for the color used for green colored pavement shall be as follows:

1		2		3		4	
x	y	x	y	x	y	x	y
0.230	0.754	0.266	0.500	0.367	0.500	0.444	0.555

b. The daytime luminance factor (Y) shall be at least 7, but no more than 35.

c. The nighttime chromaticity coordinates for the color used for green colored pavement shall be as follows:

1		2		3		4	
x	y	x	y	x	y	x	y
0.230	0.754	0.336	0.540	0.457	0.500	0.479	0.520

8-22.3 Construction Requirements

Pavement markings shall be installed in accordance with Section 8-22.3 of the Standard Specifications with the following modifications:

8) All wide line and dotted extension line shall be Type D plastic flat line.

9) Access parking space symbols, arrows, letters, and speed hump symbols shall be Type D extruded plastic flat line. Spray Type D is not allowed.

10) All Crosswalk Line shall be solid white lines, 24” wide, installed in accordance with City of Everett Standard Drawing No. 721 and shall be Type D extruded plastic flat line. Spray Type D is not allowed.

11) All two-way left turn yellow lines and lane lines dividing two opposing directions of travel shall be Type D plastic flat line.

12) Profiled plastic Type D material, where called for in the Appendices to the Special Provisions, shall be used for lane line dividing traffic in the same direction of travel including plastic skip white lane line, and solid white edge line, or other lines staked by the Engineer.

13) All white parking lines shall be shall be Type D plastic flat line.

14) All wide line and dotted extension line shall be Type D plastic flat line.

15) All plastic shared lane markings (sharrows) and plastic bicycle lane symbols shall be Type B Pre-formed Fused Thermoplastic.

16) Green background for sharrows and plastic bicycle lane symbol, where indicated in the plans, shall be Type B Pre-formed fused thermoplastic.

17) All bicycle symbols and sharrows shall be installed with the bicyclist facing the vehicle lane.

18) Unless otherwise indicated in the plans, all sharrows shall be installed with the centerline of the sharrow aligned with the centerline of the vehicle travel lane.

8-22.4 Measurement

Stop Bar will be measured by the linear foot of 24" wide marking installed.

The measurement for "24-inch Plastic Green Bike Lane Extension Line" and "Bike Lane Green Zones" will be based on the total square feet installed of the green pavement marking only.

The measurement for "Plastic Bike Symbol – Driveway" will be measured per each bi-directional pair of symbols installed.

8-22.5 Payment

Section 8-22 is supplemented read as follows:

"24-inch Plastic Crosswalk Line", per square foot.
"24-inch Plastic Stop Bar", per linear foot.
"Plastic Sharrow", per each.
"Plastic Helmeted Bicyclist", per each.
"24-inch Plastic Green Bike Lane Extension Line", per square foot.
"Bike Lane Green Zones", per square foot.
"Plastic Green and White Crosswalk Marking", per linear foot.
"Plastic Bike Lane Symbol", per each.
"Plastic Bike Lane Symbol with Arrow", per each.
"Plastic Bike Lane Straight/____ Turn Symbol", per each.
"Plastic bike lane _____ turn arrow symbol (white)", per each.
"Plastic Bike Lane Symbol with green background", per each.
"Plastic Bike-turn Box with green background", per each.
"Plastic Bike Route on Sidewalk Symbol", per each.
"Plastic Bike Symbol – Driveway", per each.
"Plastic Sharrow Straight", per each.
"Plastic Sharrow Straight (white on green background)", per each.
"Plastic Sharrow Straight with brackets", per each.
"Plastic Sharrow _____Turn", per each.
"Plastic Sharrow _____Turn (white on green background)", per each.
"Plastic Sharrow Jog _____", per each.
"Plastic Sharrow Veer _____ (white on green background)", per each.
"Plastic Sharrow Straight with brackets", per each.
"Painted Curb", per linear foot.

CNH 8-23.DOCX

8-23 TEMPORARY PAVEMENT MARKINGS

8-23.1 Description

Section 8-23.1 is supplemented with the following:

(******)
The Work included in this Section shall include all temporary pavement markings used on the project. This shall include all temporary pavement markings applied to milled surfaces that will be exposed to traffic and all new pavement lifts that will be exposed to traffic.

8-23.2 Materials

Section 8-23.2 is supplemented to read as follows:

(******)
Materials for temporary markings shall be paint or reflectorized aluminum tape, as directed by the Engineer and selected from approved materials listed in the Qualified Products List.

Temporary paint shall be used on subsurface pavements and may be paved over. Should sudden inclement weather create a pavement too wet to install temporary paint, temporary flexible raised pavement markers shall be installed on 40' intervals as directed by the Engineer. Temporary flexible raised pavement markers shall be selected from approved materials listed in the Qualified Products List. Temporary flexible raised pavement markers shall be nailed to the subsurface pavement and removed prior to paving. Reflectorized aluminum tape shall be used on new pavement and removed during permanent marking application

8-23.5 Payment

Section 8-23.5 is supplemented read as follows:

(******)
Temporary Pavement Marking will be paid for under bid item "Temporary Pavement Markings" per linear foot. This shall be full pay for constructing, maintaining, and removing temporary lines and markers as specified. No additional compensation will be allowed when Contractor is required to repair temporary markings that have been damaged or worn.

GKK 8-26.DOCX

8-26 RESOLVE ABOVE GROUND CONFLICTS (******)

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

8-26.1 Description

This work consists of resolving unanticipated above ground conflicts to conform to the Project requirements due to construction, where they are not addressed by the Construction Plans and Details. This bid item may be used to construct or modify items which are not identified, nor addressed in the Plans and Details.

8-26.2 Vacant

8-26.3 Construction Requirements

As directed by Engineer, address and resolve underground conflicts that need modification to accommodate construction.

8-26.4 Vacant

8-26.5 Payment

"Resolved unanticipated conflicts" Force Account, as provided in Section 1-09.6.

To provide a common Proposal for all Bidders, the Contracting Agency has entered an amount in the Proposal to become a part of the Contractor's total Bid.

END DIVISION8.RTF

END DIVISION 8

1
2
3

CITY OF EVERETT, WASHINGTON

CONTRACT PROVISIONS

2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

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 up to 5,857 tons of Hot Mix Asphalt, Class ½-inch, PG 64-22, two inches (2") thick, on selected City Streets, three inches (3") thick on Ross Ave, including grinding, utility adjustments, such as manhole, catch basin, inlet, valve box, monument case and cover, striping, channelization, traffic induction loops* 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 *twenty-seven (27)* 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 2025 Pavement Maintenance Overlay WO# 3830

BIDDER:_____

Item No.	ITEM DESCRIPTION	Unit	Bid Qty	UNIT PRICE	TOTAL AMOUNT
1	Mobilization	LS	1	$_____.___	$_____.___
2	Flaggers (Minimum Bid Prevailing Wage)	Hour	1,058	$_____.___	$_____.___
3	Uniformed Police Officer	Hour	160	$_____.___	$_____.___
4	Project Temporary Traffic Control	LS	1	$_____.___	$_____.___
5	Portable Changeable Message Sign	Hour	1,382	$_____.___	$_____.___
6	Planing Bituminous Pavement	SY	43,725	$_____.___	$_____.___
7	Additional Planing Bituminous Pavement	SY	6,558	$_____.___	$_____.___
8	HMA Class 1/2 Inch, PG 64-22	Ton	5,857	$_____.___	$_____.___
9	Street Cleaning	HR	90	$_____.___	$_____.___
10	Adjust Manhole	Each	12	$_____.___	$_____.___
11	Adjust Catch Basin/Inlet to Grade	Each	21	$_____.___	$_____.___
12	Adjust Valve Box to Grade	Each	28	$_____.___	$_____.___
13	Adjust Existing Monument Castings to Grade	Each	3	$_____.___	$_____.___
14	Plastic Wide Line	LF	100	$_____.___	$_____.___
15	Plastic Line	LF	38,760	$_____.___	$_____.___
16	Plastic Traffic Arrow	Each	1	$_____.___	$_____.___
17	24" Plastic Crosswalk Line	SF	7	$_____.___	$_____.___
18	24" Plastic Stop Line	LF	118	$_____.___	$_____.___
19	Raised Pavement Markers, Type 2	Hund	4	$_____.___	$_____.___
20	Temporary Pavement Markings	LF	24,500	$_____.___	$_____.___
21	Vehicle Loop Detectors	LF	800	$_____.___	$_____.___

22	Spill Prevention Control Plan	LS	1	$_____.___	$_____.___
23	Resolve Above Ground Conflicts	FA	1	$10,000.00__	$_____10,000.00__
24	Erosion/Water Pollution Control	LS	1	$_____.___	$_____.___
25	Asphalt Cost Price Adjustment	Calc	1	$_5,700. 00__	$_____5,700. 00__
				Bid – Total	$_____.___

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. _____

Contractor's Washington Employment Security Department No. _____

Signature of Bidder's Authorized Agent: _____

Dated at: _____Date:

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.

Local Agency Name

Local Agency Address

Local Agency Subcontractor List

Prepared in compliance with RCW 39.30.060 as amended

To Be Submitted with the Bid Proposal

Project Name _____

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

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

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

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

Subcontractor Name _____

Work to be performed _____

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

DOT Form 271-015LP
Revised 06/2020

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

Proposed total percentage: _____ percent.

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

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 (April 15, 2025), 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: "***2025 PAVEMENT MAINTENANCE OVERLAY***" (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 **twenty-seven (27)** 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.

13. 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.

14. 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: _____

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 2025 PAVEMENT MAINTENANCE OVERLAY, Project No. 3830, 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 2025 PAVEMENT MAINTENANCE OVERLAY, Project No. 3830, 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

APPENDIX A

STATE PREVAILING WAGES

INCLUDING:

POLICY STATEMENT

CODE KEY

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.]

****

Overtime Codes

Overtime calculations are based on the hourly rate actually paid to the worker. On public works projects, the hourly rate must be not less than the prevailing rate of wage minus the hourly rate of the cost of fringe benefits actually provided for the worker.

1. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

B. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

C. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

D. The first two (2) hours before or after a five-eight (8) hour workweek day or a four-ten (10) hour workweek day and the first eight (8) hours worked the next day after either workweek shall be paid at one and one-half times the hourly rate of wage. All additional hours worked and all worked on Sundays and holidays shall be paid at double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

G. The first ten (10) hours worked on Saturdays and the first ten (10) hours worked on a fifth calendar weekday in a four-ten hour schedule, shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

H. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions or equipment breakdown) shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. All hours worked on Sundays and holidays shall also be paid at double the hourly rate of wage.

J. The first two (2) hours after eight (8) regular hours Monday through Friday and the first ten (10) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage.

K. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

M. All hours worked on Saturdays (except makeup days if work is lost due to inclement weather conditions) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

1. N. All hours worked on Saturdays (except makeup days) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

O. The first ten (10) hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays, holidays and after twelve (12) hours, Monday through Friday and after ten (10) hours on Saturday shall be paid at double the hourly rate of wage.

P. All hours worked on Saturdays (except makeup days if circumstances warrant) and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

Q. The first two (2) hours after eight (8) regular hours Monday through Friday and up to ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of ten (10) hours per day Monday through Saturday and all hours worked on Sundays and holidays (except Christmas day) shall be paid at double the hourly rate of wage. All hours worked on Christmas day shall be paid at two and one-half times the hourly rate of wage.

R. All hours worked on Sundays and holidays shall be paid at two times the hourly rate of wage.

U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays (except Labor Day) shall be paid at two times the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage.

V. All hours worked on Sundays and holidays (except Thanksgiving Day and Christmas day) shall be paid at one and one-half times the hourly rate of wage. All hours worked on Thanksgiving Day and Christmas day shall be paid at double the hourly rate of wage.

W. All hours worked on Saturdays and Sundays (except make-up days due to conditions beyond the control of the employer)) shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at double the hourly rate of wage.

X. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked over twelve (12) hours Monday through Saturday, Sundays and holidays shall be paid at double the hourly rate of wage. When holiday falls on Saturday or Sunday, the day before Saturday, Friday, and the day after Sunday, Monday, shall be considered the holiday and all work performed shall be paid at double the hourly rate of wage.

Y. All hours worked outside the hours of 5:00 am and 5:00 pm (or such other hours as may be agreed upon by any employer and the employee) and all hours worked in excess of eight (8) hours per day (10 hours per day for a 4 x 10 workweek) and on Saturdays and holidays (except labor day) shall be paid at one and one-half times the hourly rate of wage. (except for employees who are absent from work without prior approval on a scheduled workday during the workweek shall be paid at the straight-time rate until they have worked 8 hours in a day (10 in a 4 x 10 workweek) or 40 hours during that workweek.) All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and Labor Day shall be paid at double the hourly rate of wage.

Z. All hours worked on Saturdays and Sundays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid the straight time rate of pay in addition to holiday pay.

Overtime Codes Continued

2. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   B. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

   F. The first eight (8) hours worked on holidays shall be paid at the straight hourly rate of wage in addition to the holiday pay. All hours worked in excess of eight (8) hours on holidays shall be paid at double the hourly rate of wage.

   M. This code appears to be missing. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage.

   R. All hours worked on Sundays and holidays and all hours worked over sixty (60) in one week shall be paid at double the hourly rate of wage.

   U. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked over 12 hours in a day or on Sundays and holidays shall be paid at double the hourly rate of wage.

3. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   F. All hours worked on Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sunday shall be paid at two times the hourly rate of wage. All hours worked on paid holidays shall be paid at two and one-half times the hourly rate of wage including holiday pay.

   H. All work performed on Sundays between March 16th and October 14th and all Holidays shall be compensated for at two (2) times the regular rate of pay. Work performed on Sundays between October 15th and March 15th shall be compensated at one and one half (1-1/2) times the regular rate of pay.

   J. All hours worked between the hours of 10:00 pm and 5:00 am, Monday through Friday, and all hours worked on Saturdays shall be paid at a one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

   K. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

   After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the eight (8) hours rest period.

Overtime Codes Continued

4. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

A. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturdays, Sundays and holidays shall be paid at double the hourly rate of wage

C. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay. On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay. All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

D. All hours worked in excess of eight (8) hours per day or forty (40) hours per week shall be paid at double the hourly rate of wage. All hours worked on Saturday, Sundays and holidays shall be paid at double the hourly rate of pay. Rates include all members of the assigned crew.

EXCEPTION:
On all multipole structures and steel transmission lines, switching stations, regulating, capacitor stations, generating plants, industrial plants, associated installations and substations, except those substations whose primary function is to feed a distribution system, will be paid overtime under the following rates:

The first two (2) hours after eight (8) regular hours Monday through Friday of overtime on a regular workday, shall be paid at one and one-half times the hourly rate of wage. All hours in excess of ten (10) hours will be at two (2) times the hourly rate of wage. The first eight (8) hours worked on Saturday will be paid at one and one-half (1-1/2) times the hourly rate of wage. All hours worked in excess of eight (8) hours on Saturday, and all hours worked on Sundays and holidays will be at the double the hourly rate of wage.

All overtime eligible hours performed on the above described work that is energized, shall be paid at the double the hourly rate of wage.

E. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one and one half (1½) times the regular shift rate for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

G. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

I. The First eight (8) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) per day on Saturdays shall be paid at double the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. J. The first eight (8) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked in excess of eight (8) hours on a Saturday shall be paid at double the hourly rate of wage. All hours worked over twelve (12) in a day, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

K. All hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage, so long as Saturday is the sixth consecutive day worked. All hours worked over twelve (12) in a day Monday through Saturday, and all hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

L. The first twelve (12) hours worked on a Saturday shall be paid at one and one-half times the hourly rate of wage. All hours worked on a Saturday in excess of twelve (12) hours shall be paid at double the hourly rate of pay. All hours worked over twelve (12) in a day Monday through Friday, and all hours worked on Sundays shall be paid at double the hourly rate of wage. All hours worked on a holiday shall be paid at one and one-half times the hourly rate of wage, except that all hours worked on Labor Day shall be paid at double the hourly rate of pay.

S. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, work performed in excess of (10) hours shall be paid at one and one half (1-1/2) times the hourly rate of pay. On Monday through Friday, work performed outside the normal work hours of 6:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations).

All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. When an employee returns to work without at least eight (8) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Multiple Shift Operations: When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. Special Shifts: The Special Shift Premium is the basic hourly rate of pay plus $2.00 an hour. When due to conditions beyond the control of the employer or when an owner (not acting as the contractor), a government agency or the contract specifications require more than four (4) hours of a special shift can only be performed outside the normal 6am to 6pm shift then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid the special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday).

U. The first four (4) hours after eight (8) regular hours Monday through Friday and the first twelve (12) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. (Except on makeup days if work is lost due to inclement weather, then the first eight (8) hours on Saturday may be paid the regular rate.) All hours worked over twelve (12) hours Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

Overtime Codes Continued

4. X. All hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays and holidays shall be paid at double the hourly rate of wage. Work performed outside the normal shift of 6 am to 6pm shall be paid at one and one-half the straight time rate, (except for special shifts or three shift operations). All work performed on Sundays and holidays shall be paid at double the hourly rate of wage. Shifts may be established when considered necessary by the Employer.

   The Employer may establish shifts consisting of eight (8) or ten (10) hours of work (subject to WAC 296-127-022), that shall constitute a normal forty (40) hour work week. The Employer can change from a 5-eight to a 4-ten hour schedule or back to the other. All hours of work on these shifts shall be paid for at the straight time hourly rate. Work performed in excess of eight hours (or ten hours per day (subject to WAC 296-127-022) shall be paid at one and one-half the straight time rate.

   When due to conditions beyond the control of the Employer, or when contract specifications require that work can only be performed outside the regular day shift, then by mutual agreement a special shift may be worked at the straight time rate, eight (8) hours work for eight (8) hours pay. The starting time shall be arranged to fit such conditions of work.

   When an employee returns to work without at a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Overtime Codes Continued

11. ALL HOURS WORKED IN EXCESS OF EIGHT (8) HOURS PER DAY OR FORTY (40) HOURS PER WEEK SHALL BE PAID AT ONE AND ONE-HALF TIMES THE HOURLY RATE OF WAGE.

   B After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

   C The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other overtime hours worked, except Labor Day, and all hours on Sunday shall be paid at double the hourly rate of wage. All hours worked on Labor Day shall be paid at three times the hourly rate of wage. All non-overtime and non-holiday hours worked between 4:00 pm and 5:00 am, Monday through Friday, shall be paid at a premium rate of 15% over the hourly rate of wage.

   D. All hours worked on Saturdays and holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on Sundays shall be paid at double the hourly rate of wage.

   After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

   E. The first two (2) hours after eight (8) regular hours Monday through Friday, the first ten (10) hours on Saturday, and the first ten (10) hours worked on Holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked over ten (10) hours Monday through Saturday, and Sundays shall be paid at double the hourly rate of wage.

   After an employee has worked eight (8) hours, all additional hours worked shall be paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours or more.

Overtime Codes Continued

11. F. The first two (2) hours after eight (8) regular hours Monday through Friday and the first eight (8) hours on Saturday shall be paid at one and one-half times the hourly rate of wage. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

On a four-day, ten-hour weekly schedule, either Monday thru Thursday or Tuesday thru Friday schedule, all hours worked after ten shall be paid at double the hourly rate of wage. The Monday or Friday not utilized in the normal four-day, ten hour work week, and Saturday shall be paid at one-half times the hourly rate of wage for the first eight (8) hours. All other hours worked Monday through Saturday, and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

G. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.

All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of nine (9) hours or more. When an employee returns to work without at least nine (9) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the nine (9) hours rest period.

H. Work performed in excess of eight (8) hours of straight time per day, or ten (10) hours of straight time per day when four ten (10) hour shifts are established, or forty (40) hours of straight time per week, Monday through Friday, or outside the normal 5 am to 6pm shift, and all work on Saturdays shall be paid at one and one-half times the hourly rate of wage.

All work performed after 6:00 pm Saturday to 5:00 am Monday and Holidays, and all hours worked in excess of twelve (12) hours in a single shift shall be paid at double the hourly rate of wage.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of ten (10) hours or more. When an employee returns to work without at least ten (10) hours time off since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until he/she shall have the ten (10) hours rest period.

J. All hours worked on holidays shall be paid at double the hourly rate of wage.

K. On Monday through Friday hours worked outside 4:00 am and 5:00 pm, and the first two (2) hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked over 10 hours per day Monday through Friday, and all hours worked on Saturdays, Sundays, and Holidays worked shall be paid at double the hourly rate of wage.

L. An employee working outside 5:00 am and 5:00 pm shall receive an additional two dollar ($2.00) per hour for all hours worked that shift. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage. All hours worked on holidays shall be paid at one and one-half times the hourly rate of wage.

Overtime Codes Continued

11. M. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of a multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 am to 6:00 pm, then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shift shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten shifts.

On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay. All work performed after 6:00 pm Saturday to 5:00 am Monday, all work performed over twelve (12) hours, and all work performed on holidays shall be paid at double the straight time rate of pay.

Shift Pay Premium: In an addition to any overtime already required, all hours worked between the hours of 6:00 pm and 5:00 am shall receive an additional two dollars ($2.00) per hour.

N. All work performed over twelve hours in a shift and all work performed on Sundays and Holidays shall be paid at double the straight time rate.

Any time worked over eight (8) hours on Saturday shall be paid double the straight time rate, except employees assigned to work six 10-hour shifts per week shall be paid double the straight time rate for any time worked on Saturday over 10 hours.

O. All work performed on Saturdays, Sundays, and Holidays shall be paid at one and one half (1-1/2) times the straight time rate of pay.

Overtime Codes Continued

11. P. Work performed in excess of ten (10) hours of straight time per day when four ten (10) hour shifts are established and all work on Saturdays, except for make-up days shall be paid at time and one-half (1 ½) the straight time rate.

Work performed outside the normal work hours of 5:00 a.m. and 6:00 p.m. shall be paid at one and one-half (1-1/2) times the straight time rate, (except for special shifts or multiple shift operations). When the first shift of multiple shift (a two or three shift) operation is started at the basic straight time rate or at a specific overtime rate, all shifts of that day's operation shall be completed at that rate. When due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift of 5:00 a.m. to 6:00 p.m., then a special shift may be worked at the straight time rate, plus the shift pay premium when applicable. The starting time of work will be arranged to fit such conditions of work. Such shifts shall consist of eight (8) hours work for eight (8) hours pay or ten (10) hours work for ten (10) hours pay for four ten-hour shifts.

In the event the job is down due to weather conditions, then Saturday may, be worked as a voluntary make-up day at the straight time rate. However, Saturday shall not be utilized as a make-up day when a holiday falls on Friday. All work performed on Sundays and holidays and work in excess of twelve (12) hours per day shall be paid at double (2x) the straight time rate of pay.

After an employee has worked eight (8) hours at an applicable overtime rate, all additional hours shall be at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

Q. All hours worked between the hours of 6:00 pm and 6:00 am, Monday through Saturday, shall be paid at a premium rate of 35% over the hourly rate of wage. Work performed on Sundays shall be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.

R On Monday through Saturday hours worked outside 6:00 am and 7:00 pm, and all hours after eight (8) hours worked shall be paid at one and one-half times the hourly rate. All hours worked on Sundays and Holidays shall be paid at double the hourly rate of wage.

When a holiday falls on a Saturday, the Friday before shall be the observed holiday. When a holiday falls on a Sunday, the following Monday shall be the observed holiday.

S. The first ten (10) hours worked on Saturdays shall be paid at one and one-half times the hourly rate of wage. In the event the job is down due to weather conditions, or other conditions beyond the control of the Employer, then Saturday may be worked at the straight time rate, for the first eight (8) hours, or the first ten (10) hours when a four day ten hour workweek has been established.

All hours worked Monday through Saturday over twelve (12) hours and all hours worked on Sundays and holidays shall be paid at double the hourly rate of wage.

When an employee returns to work without a break of eight (8) hours since their previous shift, all such time shall be a continuation of shift and paid at the applicable overtime rate until such time as the employee has had a break of eight (8) hours.

11. T. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.

On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.

All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

U. On Monday through Friday, the first four (4) hours of overtime after eight (8) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay, unless a four (4) day ten (10) hour workweek has been established. On a four (4) day ten (10) hour workweek scheduled Monday through Thursday, or Tuesday through Friday, the first two (2) hours of overtime after ten (10) hours of straight time work shall be paid at one and one half (1-1/2) times the straight time rate of pay.

On Saturday, the first twelve (12) hours of work shall be paid at one and one half (1-1/2) times the straight time rate of pay, except that if the job is down on Monday through Friday due to weather conditions or other conditions outside the control of the employer, the first ten (10) hours on Saturday may be worked at the straight time rate of pay.

All hours worked over twelve (12) hours in a day and all hours worked on Sunday and Holidays shall be paid at two (2) times the straight time rate of pay.

If, due to conditions beyond the control of the Employer or when contract specifications require that work can only be performed outside the regular day shift, then a Special Shift may be worked, Monday through Friday, at the straight-time rate. The starting time of work for the Special Shift will be arranged to fit such conditions of work. Such Special Shift shall consist of eight (8) hours of work for eight (8) hours of pay or ten (10) hours of work for ten(10) hours of pay on a four-ten workday schedule.

Holiday Codes

5. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, and Christmas Day (7).

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the day before Christmas, and Christmas Day (8).

C. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

D. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8).

H. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Day after Thanksgiving Day, And Christmas (6).

Holiday Codes Continued

5. I. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

K. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9).

L. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (8).

N. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, The Friday After Thanksgiving Day, And Christmas Day (9).

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday And Saturday After Thanksgiving Day, The Day Before Christmas, And Christmas Day (9). If A Holiday Falls On Sunday, The Following Monday Shall Be Considered As A Holiday.

Q. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6).

R. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Day After Thanksgiving Day, One-Half Day Before Christmas Day, And Christmas Day. (7 1/2).

S. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, And Christmas Day (7).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8).

Holiday Codes Continued

6. G. Paid Holidays: New Year's Day, Martin Luther King Jr. Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and Christmas Eve Day (11).

H. Paid Holidays: New Year's Day, New Year's Eve Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday After Thanksgiving Day, Christmas Day, The Day After Christmas, And A Floating Holiday (10).

T. Paid Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Last Working Day Before Christmas Day, And Christmas Day (9).

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). If a holiday falls on Saturday, the preceding Friday shall be considered as the holiday. If a holiday falls on Sunday, the following Monday shall be considered as the holiday.

Holiday Codes Continued

7. A. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any Holiday Which Falls On A Sunday Shall Be Observed As A Holiday On The Following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

B. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

C. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

D. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (8). Unpaid Holidays: President's Day. Any paid holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any paid holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

E. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the last working day before Christmas day and Christmas day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. G. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

J. Holidays: New Year's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

Holiday Codes Continued

7. K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Last Work Day before Christmas Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. When Christmas falls on a Saturday, the preceding Friday shall be observed as a holiday.

P. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, And Christmas Day (7). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Q. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

S. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Day, the Day after Christmas, and A Floating Holiday (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

V. Holidays: New Year's Day, President's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, the day before or after Christmas, and the day before or after New Year's Day. If any of the above listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

W. Holidays: New Year's Day, Day After New Year's, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day, Christmas Day, the day after Christmas, the day before New Year's Day, and a Floating Holiday.

X. Holidays: New Year's Day, Day before or after New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Day, and the day before or after Christmas day. If a holiday falls on a Saturday or on a Friday that is the normal day off, then the holiday will be taken on the last normal workday. If the holiday falls on a Monday that is the normal day off or on a Sunday, then the holiday will be taken on the next normal workday.

Y. Holidays: New Year's Day, Presidents' Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day. (8) If the holiday falls on a Sunday, then the day observed by the federal government shall be considered a holiday and compensated accordingly.

Z. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, Christmas Eve, and Christmas Day (9). Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday. Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Holiday Codes Continued

15. G. New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (9). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

H. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, the Last Working Day before Christmas Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

I. Holidays: New Year's Day, President's Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, The Friday After Thanksgiving Day, The Day Before Christmas Day And Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

J. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

K. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, And Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

L. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

M. Holidays: New Year's Day, Martin Luther King Jr. Day, Independence Day, Memorial Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve Day and Christmas Day (9). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. If any of the listed holidays falls on a Saturday, the preceding Friday shall be a regular work day.

N. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Veteran's Day, Thanksgiving Day, the Friday after Thanksgiving Day, and Christmas Day (8). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

O. Holidays: New Year's Day, Martin Luther King Jr. Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday and Saturday after Thanksgiving Day, the day before Christmas day, and Christmas Day (10). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday.

Note Codes

8. D. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

M. Workers on hazmat projects receive additional hourly premiums as follows: Levels A & B: $1.00, Levels C & D: $0.50.

N. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

S. Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

T. Effective August 31, 2012 – A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. This classification is only effective on or after August 31, 2012.

U. Workers on hazmat projects receive additional hourly premiums as follows – Class A Suit: $2.00, Class B Suit: $1.50, And Class C Suit: $1.00. Workers performing underground work receive an additional $0.40 per hour for any and all work performed underground, including operating, servicing and repairing of equipment. The premium for underground work shall be paid for the entire shift worked. Workers who work suspended by a rope or cable receive an additional $0.50 per hour. The premium for work suspended shall be paid for the entire shift worked. Workers who do “pioneer” work (break open a cut, build road, etc.) more than one hundred fifty (150) feet above grade elevation receive an additional $0.50 per hour.

8. V. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - $2.00 per foot for each foot over 50 feet. Over 101' to 150' - $3.00 per foot for each foot over 101 feet. Over 151' to 220' - $4.00 per foot for each foot over 220 feet. Over 221' - $5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25’ to 300’ - $1.00 per foot from entrance. 300’ to 600’ - $1.50 per foot beginning at 300’. Over 600’ - $2.00 per foot beginning at 600’.

W. Meter Installers work on single phase 120/240V self-contained residential meters. The Lineman/Groundmen rates would apply to meters not fitting this description.

Note Codes Continued

X. Workers on hazmat projects receive additional hourly premiums as follows - Class A Suit: $2.00, Class B Suit: $1.50, Class C Suit: $1.00, and Class D Suit: $0.50. Special Shift Premium: Basic hourly rate plus $2.00 per hour.

When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications requires that work can only be performed outside the normal 5 am to 6pm shift, then the special shift premium will be applied to the basic hourly rate. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in OT or Double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Y. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging state or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Z. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as a contractor), a government agency or the contract specifications require that more than (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they will be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Note Codes Continued

9. A. Workers working with supplied air on hazmat projects receive an additional $1.00 per hour.

Special Shift Premium: Basic hourly rate plus $2.00 per hour. When due to conditions beyond the control of the Employer or when an owner (not acting as the contractor), a government agency or the contract specifications require that more than four (4) hours of a special shift can only be performed outside the normal 6 am to 6pm shift, then the special shift premium will be applied to the basic straight time for the entire shift. When an employee works on a special shift, they shall be paid a special shift premium for each hour worked unless they are in overtime or double-time status. (For example, the special shift premium does not waive the overtime requirements for work performed on Saturday or Sunday.)

Certified Crane Operator Premium: Crane operators requiring certifications shall be paid $0.50 per hour above their classification rate.

Boom Pay Premium: All cranes including tower shall be paid as follows based on boom length:

(A) – 130’ to 199’ – $0.50 per hour over their classification rate.
(B) – 200’ to 299’ – $0.80 per hour over their classification rate.
(C) – 300’ and over – $1.00 per hour over their classification rate.

Note Codes Continued

9. B. The highest pressure registered on the gauge for an accumulated time of more than fifteen (15) minutes during the shift shall be used in determining the scale paid.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

C. Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay. Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

Effective August 31, 2012 – A Traffic Control Supervisor shall be present on the project whenever flagging or spotting or other traffic control labor is being utilized. A Traffic Control Laborer performs the setup, maintenance and removal of all temporary traffic control devices and construction signs necessary to control vehicular, bicycle, and pedestrian traffic during construction operations. Flaggers and Spotters shall be posted where shown on approved Traffic Control Plans or where directed by the Engineer. All flaggers and spotters shall possess a current flagging card issued by the State of Washington, Oregon, Montana, or Idaho. These classifications are only effective on or after August 31, 2012.

D. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, bridges, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

E. Heavy Construction includes construction, repair, alteration or additions to the production, fabrication or manufacturing portions of industrial or manufacturing plants, hydroelectric or nuclear power plants and atomic reactor construction. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $1.00, Level B: $0.75, Level C: $0.50, And Level D: $0.25.

F. Industrial Painter wages are required for painting within industrial facilities such as treatment plants, pipelines, towers, dams, power generation facilities and manufacturing facilities such as chemical plants, etc., or anywhere abrasive blasting is necessary to prepare surfaces, or hazardous materials encapsulation is required.

H. One (1) person crew shall consist of a Party Chief. (Total Station or similar one (1) person survey system). Two (2) person survey party shall consist of a least a Party Chief and a Chain Person. Three (3) person survey party shall consist of at least a Party Chief, an Instrument Person, and a Chain Person.

9. I. In addition to the hourly wage and fringe benefits, the following depth and enclosure premiums shall be paid. The premiums are to be calculated for the maximum depth and distance into an enclosure that a diver reaches in a day. The premiums are to be paid one time for the day and are not used in calculating overtime pay.

Depth premiums apply to depths of fifty feet or more. Over 50' to 100' - $2.00 per foot for each foot over 50 feet. Over 101' to 150' - $3.00 per foot for each foot over 101 feet. Over 151' to 220' - $4.00 per foot for each foot over 220 feet. Over 221' - $5.00 per foot for each foot over 221 feet.

Enclosure premiums apply when divers enter enclosures (such as pipes or tunnels) where there is no vertical ascent and is measured by the distance travelled from the entrance. 25’ to 300’ - $1.00 per foot from entrance. 300’ to 600’ - $1.50 per foot beginning at 300’. Over 600’ - $2.00 per foot beginning at 600’.

Employees may be required to perform any combination of work within the Diving team/crew, (with the exception of dive Supervisor) provided they are paid at the highest rate at which he/she has worked for the shift.

L. Workers on hazmat projects receive additional hourly premiums as follows -Level A: $0.75, Level B: $0.50, And Level C: $0.25.

Tide Work: When employees are called out between the hours of 6:00 p.m. and 6:00 a.m. to work on tide work (work located in the tide plane) all time worked shall be at one and one-half times the hourly rate of pay.

Swinging Stage/Boatswains Chair: Employees working on a swinging stage or boatswains chair or under conditions that require them to be tied off to allow their hands to be free shall receive seventy-five cents ($0.75) per hour above the classification rate.

State of Washington
Department of Labor & Industries
Prevailing Wage Section - Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage
The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

Journey Level Prevailing Wage Rates for the Effective Date: 04/15/2025

Snohomish County

Trade	Job Classification	Wage	Holiday	Overtime	Note
Asbestos Abatement Workers	Journey Level	$63.87	**5D**	**1H**	
Boilermakers	Journey Level	$80.89	**5N**	**1C**	
Brick Mason	Journey Level	$71.82	**7E**	**1N**	
Brick Mason	Pointer-Caulker-Cleaner	$71.82	**7E**	**1N**	
Building Service Employees	Janitor	$16.66		**1**	
Building Service Employees	Shampooer	$16.66		**1**	
Building Service Employees	Waxer	$16.66		**1**	

Building Service Employees	Window Cleaner	$16.66		1	
Cabinet Makers (In Shop)	Journey Level	$27.33	5C	2M	
Carpenters	Acoustical Worker	$78.96	15J	11U	
Carpenters	Bridge Dock and Wharf Carpenter	$80.50	15J	11U	9L
Carpenters	Floor Layer & Floor Finisher	$78.96	15J	11U	
Carpenters	General Carpenter	$78.96	15J	11U	
Carpenters	Scaffold Erector	$78.96	15J	11U	
Cement Masons	Application of all Composition Mastic	$77.30	15J	4U	
Cement Masons	Application of all Epoxy Material	$76.78	15J	4U	
Cement Masons	Application of all Plastic Material	$77.30	15J	4U	
Cement Masons	Application of Sealing Compound	$76.78	15J	4U	
Cement Masons	Application of Underlayment	$77.30	15J	4U	
Cement Masons	Building General	$76.78	15J	4U	
Cement Masons	Composition or Kalman Floors	$77.30	15J	4U	

Cement Masons	Concrete Paving	$76.78	**15J**	**4U**
Cement Masons	Curb & Gutter Machine	$77.30	**15J**	**4U**
Cement Masons	Curb & Gutter, Sidewalks	$76.78	**15J**	**4U**
Cement Masons	Curing Concrete	$76.78	**15J**	**4U**
Cement Masons	Finish Colored Concrete	$77.30	**15J**	**4U**
Cement Masons	Floor Grinding	$77.30	**15J**	**4U**
Cement Masons	Floor Grinding/Polisher	$76.78	**15J**	**4U**
Cement Masons	Green Concrete Saw, self-powered	$77.30	**15J**	**4U**
Cement Masons	Grouting of all Plates	$76.78	**15J**	**4U**
Cement Masons	Grouting of all Tilt-up Panels	$76.78	**15J**	**4U**
Cement Masons	Gunite Nozzleman	$77.30	**15J**	**4U**
Cement Masons	Hand Powered Grinder	$77.30	**15J**	**4U**
Cement Masons	Journey Level	$76.78	**15J**	**4U**
Cement Masons	Patching Concrete	$76.78	**15J**	**4U**
Cement Masons	Pneumatic Power Tools	$77.30	**15J**	**4U**
Cement Masons	Power Chipping & Brushing	$77.30	**15J**	**4U**

Cement Masons	Sand Blasting Architectural Finish	$77.30	**15J**	**4U**	
Cement Masons	Screed & Rodding Machine	$77.30	**15J**	**4U**	
Cement Masons	Spackling or Skim Coat Concrete	$76.78	**15J**	**4U**	
Cement Masons	Troweling Machine Operator	$77.30	**15J**	**4U**	
Cement Masons	Troweling Machine Operator on Colored Slabs	$77.30	**15J**	**4U**	
Cement Masons	Tunnel Workers	$77.30	**15J**	**4U**	
Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	$156.25	**15J**	**11T**	**9I**
Divers & Tenders	Dive Supervisor	$157.75	**15J**	**11T**	**9I**
Divers & Tenders	Diver	$156.25	**15J**	**11T**	**9I**
Divers & Tenders	Diver Tender	$86.86	**15J**	**11T**	**9I**
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$109.76	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 31.01-44.00 PSI	$118.99	**15J**	**11U**	

Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$128.22	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$137.45	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$146.67	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$155.90	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$165.13	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$174.36	**15J**	**11U**	
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	$183.59	**15J**	**11U**	
Divers & Tenders	Lead Diver (Dive Master)	$101.32	**15J**	**11T**	**9I**
Divers & Tenders	Manifold Operator (Life Support Technician)	$86.86	**15J**	**11T**	**9I**
Divers & Tenders	Remote Operated Vehicle Operator/Technician	$86.86	**15J**	**11T**	**9I**

Divers & Tenders	Remote Operated Vehicle Operator/Technician	$86.86	**15J**	**11T**	**9I**
Divers & Tenders	Remote Operated Vehicle Tender	$80.55	**15J**	**11T**	**9I**
Divers & Tenders	Stand-by Diver	$96.32	**15J**	**11T**	**9I**
Dredge Workers	Assistant Engineer	$85.37	**5D**	**3F**	
Dredge Workers	Assistant Mate (Deckhand)	$84.71	**5D**	**3F**	
Dredge Workers	Boatmen	$85.37	**5D**	**3F**	
Dredge Workers	Engineer Welder	$87.02	**5D**	**3F**	
Dredge Workers	Leverman, Hydraulic	$88.77	**5D**	**3F**	
Dredge Workers	Mates	$85.37	**5D**	**3F**	
Dredge Workers	Oiler	$84.71	**5D**	**3F**	
Drywall Applicator	Journey Level	$78.76	**15O**	**11S**	
Drywall Tapers	Journey Level	$78.76	**15O**	**11S**	
Electrical Fixture Maintenance Workers	Journey Level	$16.66		**1**	
Electricians - Inside	Cable Splicer	$95.85	**7H**	**1E**	
Electricians - Inside	Construction Stock Person	$46.03	**7H**	**1D**	

Electricians - Inside	Journey Level	$89.75	**7H**	**1E**	
Electricians - Motor Shop	Craftsman	$16.66		**1**	
Electricians - Motor Shop	Journey Level	$16.66		**1**	
Electricians - Powerline Construction	Cable Splicer	$102.42	**5A**	**4D**	
Electricians - Powerline Construction	Certified Line Welder	$93.99	**5A**	**4D**	
Electricians - Powerline Construction	Groundperson	$59.30	**5A**	**4D**	
Electricians - Powerline Construction	Heavy Line Equipment Operator	$93.99	**5A**	**4D**	
Electricians - Powerline Construction	Journey Level Lineperson	$93.99	**5A**	**4D**	
Electricians - Powerline Construction	Line Equipment Operator	$80.96	**5A**	**4D**	
Electricians - Powerline Construction	Meter Installer	$59.30	**5A**	**4D**	**8W**
Electricians - Powerline Construction	Pole Sprayer	$93.99	**5A**	**4D**	
Electricians - Powerline Construction	Powderperson	$69.84	**5A**	**4D**	
Electronic Technicians	Electronic Technicians Journey Level	$58.51	**5B**	**1B**	

Elevator Constructors	Mechanic	$115.14	**7D**	**4A**	
Elevator Constructors	Mechanic In Charge	$124.53	**7D**	**4A**	
Fabricated Precast Concrete Products	Journey Level	$16.66		**1**	
Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$16.66		**1**	
Fence Erectors	Fence Erector	$54.65	**15J**	**11P**	**8Y**
Fence Erectors	Fence Laborer	$54.65	**15J**	**11P**	**8Y**
Flaggers	Journey Level	$54.65	**15J**	**11P**	**8Y**
Glaziers	Journey Level	$82.16	**7L**	**1Y**	
Heat & Frost Insulators And Asbestos Workers	Journey Level	$91.81	**15H**	**11C**	
Heating Equipment Mechanics	Journey Level	$102.92	**7F**	**1E**	
Hod Carriers & Mason Tenders	Journey Level	$67.38	**15J**	**11P**	**8Y**
Industrial Power Vacuum Cleaner	Journey Level	$16.66		**1**	
Inland Boatmen	Boat Operator	$71.28	**5B**	**1K**	
Inland Boatmen	Cook	$69.70	**5B**	**1K**	
Inland Boatmen	Deckhand	$70.00	**5B**	**1K**	

Inland Boatmen	Deckhand Engineer	$69.55	**5B**	**1K**
Inland Boatmen	Launch Operator	$71.23	**5B**	**1K**
Inland Boatmen	Mate	$89.12	**5B**	**1K**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator	$51.27	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Operator	$51.27	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$51.27	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$49.20	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$42.99	**15M**	**11O**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	$46.10	**15M**	**11O**
Insulation Applicators	Journey Level	$78.96	**15J**	**11U**
Ironworkers	Journeyman	$90.82	**15K**	**11N**

Laborers	Air, Gas Or Electric Vibrating Screed	$63.87	**15J**	**11P**	**8Y**
Laborers	Airtrac Drill Operator	$65.75	**15J**	**11P**	**8Y**
Laborers	Ballast Regular Machine	$63.87	**15J**	**11P**	**8Y**
Laborers	Batch Weighman	$54.65	**15J**	**11P**	**8Y**
Laborers	Brick Pavers	$63.87	**15J**	**11P**	**8Y**
Laborers	Brush Cutter	$63.87	**15J**	**11P**	**8Y**
Laborers	Brush Hog Feeder	$63.87	**15J**	**11P**	**8Y**
Laborers	Burner	$63.87	**15J**	**11P**	**8Y**
Laborers	Caisson Worker	$65.75	**15J**	**11P**	**8Y**
Laborers	Carpenter Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Cement Dumper-paving	$64.98	**15J**	**11P**	**8Y**
Laborers	Cement Finisher Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Change House Or Dry Shack	$63.87	**15J**	**11P**	**8Y**
Laborers	Chipping Gun (30 Lbs. And Over)	$64.98	**15J**	**11P**	**8Y**
Laborers	Chipping Gun (Under 30 Lbs.)	$63.87	**15J**	**11P**	**8Y**
Laborers	Choker Setter	$63.87	**15J**	**11P**	**8Y**

Laborers	Chuck Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Clary Power Spreader	$64.98	**15J**	**11P**	**8Y**
Laborers	Clean-up Laborer	$63.87	**15J**	**11P**	**8Y**
Laborers	Concrete Dumper/Chute Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Concrete Form Stripper	$63.87	**15J**	**11P**	**8Y**
Laborers	Concrete Placement Crew	$64.98	**15J**	**11P**	**8Y**
Laborers	Concrete Saw Operator/Core Driller	$64.98	**15J**	**11P**	**8Y**
Laborers	Crusher Feeder	$54.65	**15J**	**11P**	**8Y**
Laborers	Curing Laborer	$63.87	**15J**	**11P**	**8Y**
Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	$63.87	**15J**	**11P**	**8Y**
Laborers	Ditch Digger	$63.87	**15J**	**11P**	**8Y**
Laborers	Diver	$65.75	**15J**	**11P**	**8Y**
Laborers	Drill Operator (Hydraulic, Diamond)	$64.98	**15J**	**11P**	**8Y**
Laborers	Dry Stack Walls	$63.87	**15J**	**11P**	**8Y**
Laborers	Dump Person	$63.87	**15J**	**11P**	**8Y**

Laborers	Epoxy Technician	$63.87	**15J**	**11P**	**8Y**
Laborers	Erosion Control Worker	$63.87	**15J**	**11P**	**8Y**
Laborers	Faller & Bucker Chain Saw	$64.98	**15J**	**11P**	**8Y**
Laborers	Fine Graders	$63.87	**15J**	**11P**	**8Y**
Laborers	Firewatch	$54.65	**15J**	**11P**	**8Y**
Laborers	Form Setter	$64.98	**15J**	**11P**	**8Y**
Laborers	Gabian Basket Builders	$63.87	**15J**	**11P**	**8Y**
Laborers	General Laborer	$63.87	**15J**	**11P**	**8Y**
Laborers	Grade Checker & Transit Person	$67.38	**15J**	**11P**	**8Y**
Laborers	Grinders	$63.87	**15J**	**11P**	**8Y**
Laborers	Grout Machine Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Groutmen (Pressure) Including Post Tension Beams	$64.98	**15J**	**11P**	**8Y**
Laborers	Guardrail Erector	$63.87	**15J**	**11P**	**8Y**
Laborers	Hazardous Waste Worker (Level A)	$65.75	**15J**	**11P**	**8Y**
Laborers	Hazardous Waste Worker (Level B)	$64.98	**15J**	**11P**	**8Y**

Laborers	Hazardous Waste Worker (Level C)	$63.87	**15J**	**11P**	**8Y**
Laborers	High Scaler	$65.75	**15J**	**11P**	**8Y**
Laborers	Jackhammer	$64.98	**15J**	**11P**	**8Y**
Laborers	Laserbeam Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Maintenance Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Manhole Builder-Mudman	$64.98	**15J**	**11P**	**8Y**
Laborers	Material Yard Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Mold Abatement Worker	$63.87	**15J**	**11P**	**8Y**
Laborers	Motorman-Dinky Locomotive	$67.48	**15J**	**11P**	**8Y**
Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	$67.38	**15J**	**11P**	**8Y**
Laborers	Pavement Breaker	$64.98	**15J**	**11P**	**8Y**
Laborers	Pilot Car	$54.65	**15J**	**11P**	**8Y**
Laborers	Pipe Layer (Lead)	$67.38	**15J**	**11P**	**8Y**

Laborers	Pipe Layer/Tailor	$64.98	**15J**	**11P**	**8Y**
Laborers	Pipe Pot Tender	$64.98	**15J**	**11P**	**8Y**
Laborers	Pipe Reliner	$64.98	**15J**	**11P**	**8Y**
Laborers	Pipe Wrapper	$64.98	**15J**	**11P**	**8Y**
Laborers	Pot Tender	$63.87	**15J**	**11P**	**8Y**
Laborers	Powderman	$65.75	**15J**	**11P**	**8Y**
Laborers	Powderman's Helper	$63.87	**15J**	**11P**	**8Y**
Laborers	Power Jacks	$64.98	**15J**	**11P**	**8Y**
Laborers	Power Washer	$63.87	**15J**	**11P**	**8Y**
Laborers	Railroad Spike Puller - Power	$64.98	**15J**	**11P**	**8Y**
Laborers	Raker - Asphalt	$67.38	**15J**	**11P**	**8Y**
Laborers	Re-timberman	$65.75	**15J**	**11P**	**8Y**
Laborers	Remote Equipment Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Rigger/Signal Person	$64.98	**15J**	**11P**	**8Y**
Laborers	Rip Rap Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Rivet Buster	$64.98	**15J**	**11P**	**8Y**

Laborers	Rodder	$64.98	**15J**	**11P**	**8Y**
Laborers	Scaffold Erector	$63.87	**15J**	**11P**	**8Y**
Laborers	Scale Person	$63.87	**15J**	**11P**	**8Y**
Laborers	Sloper (Over 20")	$64.98	**15J**	**11P**	**8Y**
Laborers	Sloper Sprayer	$63.87	**15J**	**11P**	**8Y**
Laborers	Spreader (Concrete)	$64.98	**15J**	**11P**	**8Y**
Laborers	Stake Hopper	$63.87	**15J**	**11P**	**8Y**
Laborers	Stock Piler	$63.87	**15J**	**11P**	**8Y**
Laborers	Swinging Stage/Boatswain Chair	$54.65	**15J**	**11P**	**8Y**
Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$64.98	**15J**	**11P**	**8Y**
Laborers	Tamper (Multiple & Self-propelled)	$64.98	**15J**	**11P**	**8Y**
Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$64.98	**15J**	**11P**	**8Y**
Laborers	Toolroom Person (at Jobsite)	$63.87	**15J**	**11P**	**8Y**
Laborers	Topper	$63.87	**15J**	**11P**	**8Y**
Laborers	Track Laborer	$63.87	**15J**	**11P**	**8Y**

Laborers	Track Liner (Power)	$64.98	**15J**	**11P**	**8Y**
Laborers	Traffic Control Laborer	$58.20	**15J**	**11P**	**9C**
Laborers	Traffic Control Supervisor	$61.47	**15J**	**11P**	**9C**
Laborers	Truck Spotter	$63.87	**15J**	**11P**	**8Y**
Laborers	Tugger Operator	$64.98	**15J**	**11P**	**8Y**
Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$200.40	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$205.43	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$209.11	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$214.81	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$216.93	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$222.03	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00	$223.93	**15J**	**11P**	**9B**

	psi				
Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$225.93	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$227.93	**15J**	**11P**	**9B**
Laborers	Tunnel Work-Guage and Lock Tender	$67.48	**15J**	**11P**	**8Y**
Laborers	Tunnel Work-Miner	$67.48	**15J**	**11P**	**8Y**
Laborers	Vibrator	$64.98	**15J**	**11P**	**8Y**
Laborers	Vinyl Seamer	$63.87	**15J**	**11P**	**8Y**
Laborers	Watchman	$49.97	**15J**	**11P**	**8Y**
Laborers	Welder	$64.98	**15J**	**11P**	**8Y**
Laborers	Well Point Laborer	$64.98	**15J**	**11P**	**8Y**
Laborers	Window Washer/Cleaner	$49.97	**15J**	**11P**	**8Y**
Laborers - Underground Sewer & Water	General Laborer & Topman	$63.87	**15J**	**11P**	**8Y**
Laborers - Underground Sewer & Water	Pipe Layer	$64.98	**15J**	**11P**	**8Y**
Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$49.97	**15J**	**11P**	**8Y**

Landscape Construction	Landscape Operator	$87.54	**15J**	**11G**	**8X**
Landscape Maintenance	Groundskeeper	$16.66		**1**	
Lathers	Journey Level	$78.76	**15O**	**11S**	
Marble Setters	Journey Level	$71.82	**7E**	**1N**	
Metal Fabrication (In Shop)	Journey Level	$37.56	**0**	**11D**	
Millwright	Journey Level	$80.28	**15J**	**4C**	
Modular Buildings	Journey Level	$16.66		**1**	
Painters	Journey Level	$54.71	**6Z**	**11J**	
Pile Driver	Crew Tender	$86.81	**15J**	**11U**	**9L**
Pile Driver	Journey Level	$80.50	**15J**	**11U**	**9L**
Plasterers	Journey Level	$73.54	**7Q**	**1R**	
Plasterers	Nozzleman	$77.54	**7Q**	**1R**	
Playground & Park Equipment Installers	Journey Level	$16.66		**1**	
Plumbers & Pipefitters	Journey Level	$90.87	**5A**	**1G**	
Power Equipment Operators	Asphalt Plant Operators	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Assistant Engineer	$83.69	**15J**	**11G**	**8X**

Power Equipment Operators	Barrier Machine (zipper)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Batch Plant Operator: concrete	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Boat Operator	$87.82	**7A**	**11H**	**8X**
Power Equipment Operators	Bobcat	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Brokk - Remote Demolition Equipment	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Brooms	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Bump Cutter	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Cableways	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Chipper	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Compressor	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Concrete Finish Machine - Laser Screed	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$87.54	**15J**	**11G**	**8X**

Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Conveyors	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Cranes Friction: 200 tons and over	$90.46	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes, A-frame: 10 tons and under	$82.59	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$88.67	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	$87.03	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$89.60	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	$90.46	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of	$87.82	**7A**	**11H**	**8X**

	boom(including jib with attachments)				
Power Equipment Operators	Cranes: Friction cranes through 199 tons	$89.60	**7A**	**11H**	**8X**
Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	$86.36	**7A**	**11H**	**8X**
Power Equipment Operators	Crusher	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Deck Engineer/Deck Winches (power)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Derricks, On Building Work	$87.82	**7A**	**11H**	**8X**
Power Equipment Operators	Dozers D-9 & Under	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Drilling Machine	$89.91	**15J**	**11G**	**8X**
Power Equipment Operators	Elevator and man-lift: permanent and shaft type	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Forklift: 3000 lbs and over with attachments	$87.54	**15J**	**11G**	**8X**

Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Gradechecker/Stakeman	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Guardrail Punch	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Horizontal/Directional Drill Locator	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Horizontal/Directional Drill Operator	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	$86.36	**7A**	**11H**	**8X**
Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	$82.59	**7A**	**11H**	**8X**

Power Equipment Operators	Leverman	$90.84	**15J**	**11G**	**8X**
Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Loaders, Overhead Under 6 Yards	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Loaders, Plant Feed	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Loaders: Elevating Type Belt	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Locomotives, All	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Material Transfer Device	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$89.91	**15J**	**11G**	**8X**
Power Equipment Operators	Motor Patrol Graders	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$83.69	**15J**	**11G**	**8X**

Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	$87.03	**7A**	**11H**	**8X**
Power Equipment Operators	Overhead, bridge type: 100 tons and over	$88.67	**7A**	**11H**	**8X**
Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	$87.82	**7A**	**11H**	**8X**
Power Equipment Operators	Pavement Breaker	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Pile Driver (other Than Crane Mount)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Posthole Digger, Mechanical	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Power Plant	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Pumps - Water	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Quick Tower: no cab, under 100 feet in height	$88.22	**15J**	**11G**	**8X**

	base to boom				
Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Rigger and Bellman	$82.59	**7A**	**11H**	**8X**
Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	$86.36	**7A**	**11H**	**8X**
Power Equipment Operators	Rollagon	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Roller, Other Than Plant Mix	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Roto-mill, Roto-grinder	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Saws - Concrete	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Scrapers - Concrete & Carry All	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Service Engineers: Equipment	$87.54	**15J**	**11G**	**8X**

Power Equipment Operators	Shotcrete/Gunite Equipment	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$89.91	**15J**	**11G**	**8X**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$90.84	**15J**	**11G**	**8X**
Power Equipment Operators	Slipform Pavers	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Spreader, Topsider & Screedman	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Subgrader Trimmer	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Tower Bucket Elevators	$87.54	**15J**	**11G**	**8X**

Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$89.60	**7A**	**11H**	**8X**
Power Equipment Operators	Tower crane: up to 175' in height base to boom	$88.67	**7A**	**11H**	**8X**
Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	$90.46	**7A**	**11H**	**8X**
Power Equipment Operators	Transporters, All Track Or Truck Type	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Trenching Machines	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	$87.03	**7A**	**11H**	**8X**
Power Equipment Operators	Truck crane oiler/driver: under 100 tons	$86.36	**7A**	**11H**	**8X**
Power Equipment Operators	Truck Mount Portable Conveyor	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators	Welder	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators	Wheel Tractors, Farmall Type	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators	Yo Yo Pay Dozer	$88.22	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Asphalt Plant Operators	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Assistant Engineer	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Barrier Machine (zipper)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Batch Plant Operator, Concrete	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Boat Operator	$87.82	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Bobcat	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Brokk - Remote Demolition Equipment	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Brooms	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Bump Cutter	$88.22	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Cableways	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Chipper	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Compressor	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Finish Machine - Laser Screed	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Conveyors	$87.54	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Cranes Friction: 200 tons and over	$90.46	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes, A-frame: 10 tons and under	$82.59	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$88.67	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	$87.03	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$89.60	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$90.46	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$87.82	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$89.60	**7A**	**11H**	**8X**

Power Equipment Operators- Underground Sewer & Water	Cranes: through 19 tons with attachments, a-frame over 10 tons	$86.36	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Crusher	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Deck Engineer/Deck Winches (power)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Derricks, On Building Work	$87.82	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Dozers D-9 & Under	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Drilling Machine	$89.91	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$88.22	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Gradechecker/Stakeman	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Guardrail Punch	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Locator	$87.54	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Horizontal/Directional Drill Operator	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	$82.59	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	$86.36	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Leverman	$90.84	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders, Plant Feed	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Loaders: Elevating Type Belt	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Locomotives, All	$88.22	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Material Transfer Device	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$89.91	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Motor Patrol Graders	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	$87.03	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 100 tons and over	$88.67	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	$87.82	**7A**	**11H**	**8X**

Power Equipment Operators- Underground Sewer & Water	Pavement Breaker	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Posthole Digger, Mechanical	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Power Plant	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Pumps - Water	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height base to boom	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$89.02	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Rigger and Bellman	$82.59	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	$86.36	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Rollagon	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Roller, Other Than Plant Mix	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Roto-mill, Roto-grinder	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Saws - Concrete	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Scrapers - Concrete & Carry All	$87.54	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shotcrete/Gunite Equipment	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$89.91	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$90.84	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Slipform Pavers	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Spreader, Topsider & Screedman	$89.02	**15J**	**11G**	**8X**

Power Equipment Operators- Underground Sewer & Water	Subgrader Trimmer	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Bucket Elevators	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$89.60	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower crane: up to 175' in height base to boom	$88.67	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	$90.46	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Transporters, All Track Or Truck Type	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Trenching Machines	$87.54	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	$87.03	**7A**	**11H**	**8X**
Power Equipment Operators- Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	$86.36	**7A**	**11H**	**8X**

Power Equipment Operators- Underground Sewer & Water	Truck Mount Portable Conveyor	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	$88.22	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Welder	$89.02	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Wheel Tractors, Farmall Type	$83.69	**15J**	**11G**	**8X**
Power Equipment Operators- Underground Sewer & Water	Yo Yo Pay Dozer	$88.22	**15J**	**11G**	**8X**
Power Line Clearance Tree Trimmers	Journey Level In Charge	$64.20	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Spray Person	$60.74	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Equipment Operator	$64.20	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Trimmer	$57.29	**5A**	**4A**	
Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$43.05	**5A**	**4A**	

Refrigeration & Air Conditioning Mechanics	Journey Level	$95.46	**5A**	**1G**
Residential Brick Mason	Journey Level	$22.73		**1**
Residential Carpenters	Journey Level	$78.96	**15J**	**4C**
Residential Cement Masons	Journey Level	$76.78	**15J**	**4U**
Residential Drywall Applicators	Journey Level	$51.52	**15J**	**4C**
Residential Drywall Tapers	Journey Level	$77.66	**5P**	**1E**
Residential Electricians	Journey Level	$48.80		**1**
Residential Glaziers	Journey Level	$27.66		**1**
Residential Insulation Applicators	Journey Level	$27.61		**1**
Residential Laborers	Journey Level	$28.78		**1**
Residential Marble Setters	Journey Level	$39.71		**1**
Residential Painters	Journey Level	$30.44		**1**
Residential Plumbers & Pipefitters	Journey Level	$51.38		**1**
Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$102.92	**7F**	**1E**
Residential Sheet Metal Workers	Journey Level	$102.92	**7F**	**1E**

Residential Soft Floor Layers	Journey Level	$59.52	**7C**	**3J**
Residential Sprinkler Fitters (Fire Protection)	Journey Level	$61.85		**1**
Residential Stone Masons	Journey Level	$39.71		**1**
Residential Terrazzo Workers	Journey Level	$16.66		**1**
Residential Terrazzo/Tile Finishers	Journey Level	$27.90		**1**
Residential Tile Setters	Journey Level	$21.38		**1**
Roofers	Journey Level	$67.45	**5A**	**3H**
Roofers	Using Irritable Bituminous Materials	$70.45	**5A**	**3H**
Sheet Metal Workers	Journey Level (Field or Shop)	$102.92	**7F**	**1E**
Shipbuilding & Ship Repair	New Construction Boilermaker	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Carpenter	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Crane Operator	$43.00	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Electrician	$58.98	**7X**	**4J**

Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$91.81	**15H**	**11C**
Shipbuilding & Ship Repair	New Construction Laborer	$58.60	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Machinist	$58.79	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Operating Engineer	$43.00	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Painter	$58.72	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Pipefitter	$59.07	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Rigger	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Sheet Metal	$58.68	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Shipwright	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$43.00	**7V**	**1**
Shipbuilding & Ship Repair	New Construction Welder / Burner	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Boilermaker	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Carpenter	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	**7Y**	**4K**

Shipbuilding & Ship Repair	Ship Repair Electrician	$58.98	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$91.81	**15H**	**11C**
Shipbuilding & Ship Repair	Ship Repair Laborer	$58.60	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Machinist	$58.79	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	**7Y**	**4K**
Shipbuilding & Ship Repair	Ship Repair Painter	$58.72	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Pipefitter	$59.07	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Rigger	$58.93	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$58.68	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Shipwright	$51.85	**7X**	**4J**
Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	**7Y**	**4K**
Sign Makers & Installers (Electrical)	Sign Installer	$26.56		**1**
Sign Makers & Installers (Electrical)	Sign Maker	$20.50		**1**
Sign Makers & Installers (Non-Electrical)	Sign Installer	$22.56		**1**
Sign Makers & Installers (Non-Electrical)	Sign Maker	$20.50		**1**

Soft Floor Layers	Journey Level	$63.29	**15J**	**4C**	
Solar Controls For Windows	Journey Level	$16.66		**1**	
Sprinkler Fitters (Fire Protection)	Journey Level	$98.99	**5C**	**1X**	
Stage Rigging Mechanics (Non Structural)	Journey Level	$16.66		**1**	
Stone Masons	Journey Level	$71.82	**7E**	**1N**	
Street And Parking Lot Sweeper Workers	Journey Level	$16.66		**1**	
Surveyors	Assistant Construction Site Surveyor	$86.36	**7A**	**11H**	**8X**
Surveyors	Chainman	$82.59	**7A**	**11H**	**8X**
Surveyors	Construction Site Surveyor	$87.82	**7A**	**11H**	**8X**
Surveyors	Drone Operator (when used in conjunction with survey work only)	$82.59	**7A**	**11H**	**8X**
Surveyors	Ground Penetrating Radar Operator	$82.59	**7A**	**11H**	**8X**
Telecommunication Technicians	Telecom Technician Journey Level	$58.51	**5B**	**1B**	
Telephone Line Construction - Outside	Cable Splicer	$41.35	**5A**	**2B**	

Telephone Line Construction - Outside	Hole Digger/Ground Person	$27.31	**5A**	**2B**
Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$34.53	**5A**	**2B**
Telephone Line Construction - Outside	Telephone Lineperson	$39.07	**5A**	**2B**
Terrazzo Workers	Journey Level	$67.51	**7E**	**1N**
Tile Setters	Journey Level	$65.51	**7E**	**1N**
Tile, Marble & Terrazzo Finishers	Finisher	$56.34	**7E**	**1N**
Traffic Control Stripers	All cleanup required in connection with traffic control stripers work (Group 1)	$92.44	**15L**	**1K**
Traffic Control Stripers	Handling, painting and installing of all car stops, stop signs and any other type sign (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Installation of guard rail and posts and similar protective devices (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Installation of parking gates, ticket spitters and other mechanical and	$62.69	**15L**	**1K**

	automatic control devices (Group 2)			
Traffic Control Stripers	Installation of plastic metal or composition button, or lines used instead of paint (Group 1)	$92.44	**15L**	**1K**
Traffic Control Stripers	Line removal; chemical sand and hydro-blast, paint and button (Group 1)	$92.44	**15L**	**1K**
Traffic Control Stripers	Manufacturing and installation of all car stops and control devices and similar traffic regulators (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Manufacturing, painting, stenciling, servicing, repairing, placing and removal of traffic safety and control devices/barricades (Group 2)	$62.69	**15L**	**1K**
Traffic Control Stripers	Painting and installing lines, arrows, bumpers, curbs, etc., on parking lots, air fields, highways, game courts (Group 1)	$92.44	**15L**	**1K**
Traffic Control Stripers	Preparation and maintenance of all surfaces (Group 1)	$92.44	**15L**	**1K**

Traffic Control Stripers	Seal coating, slurry coating and other surface protection (Group 2)	$62.69	**15L**	**1K**	
Truck Drivers	Asphalt Mix Over 16 Yards	$79.40	**15J**	**11M**	**8L**
Truck Drivers	Asphalt Mix To 16 Yards	$78.56	**15J**	**11M**	**8L**
Truck Drivers	Dump Truck	$78.56	**15J**	**11M**	**8L**
Truck Drivers	Dump Truck & Trailer	$79.40	**15J**	**11M**	**8L**
Truck Drivers	Other Trucks	$79.40	**15J**	**11M**	**8L**
Truck Drivers - Ready Mix	Transit Mix	$79.40	**15J**	**11M**	**8L**
Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.05		**1**	
Well Drillers & Irrigation Pump Installers	Oiler	$16.66		**1**	
Well Drillers & Irrigation Pump Installers	Well Driller	$19.01		**1**	

APPENDIX B

PUGET SOUND CLEAN AIR AGENCY – EXCERPTS OF AIR QUALITY RULES

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.

APPENDIX C

SAMPLE CHANGE ORDER FORMS;
AGREED AND UNILATERAL

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

EVERETT
WASHINGTON

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: _____

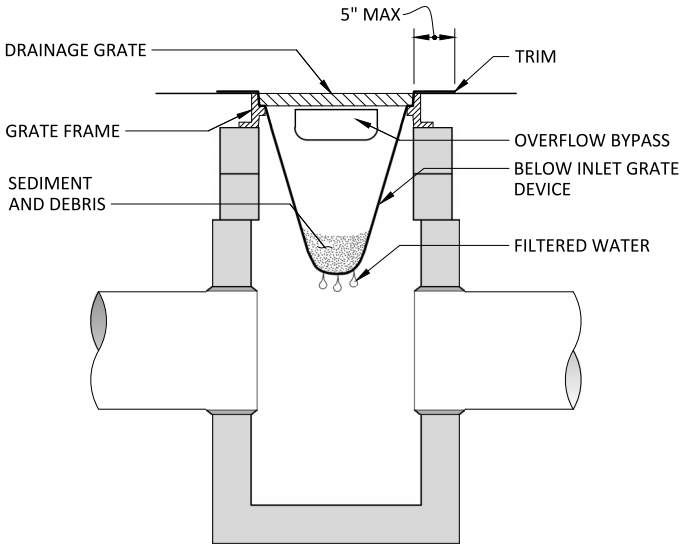
Change Order No._____

Change Order Effective Date:_____

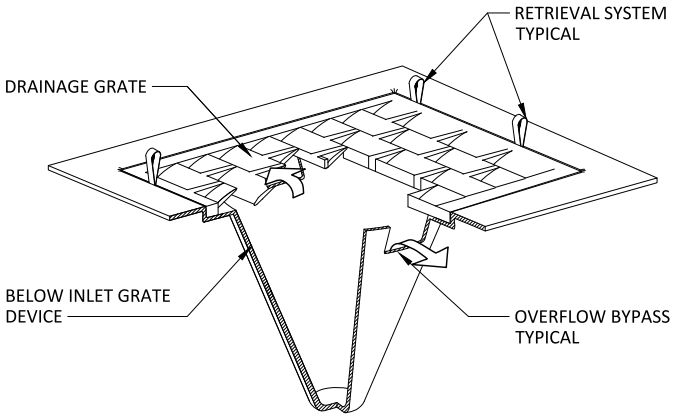
Exhibit A—Description of Changed Work

APPENDIX D

STANDARD DRAWINGS



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**

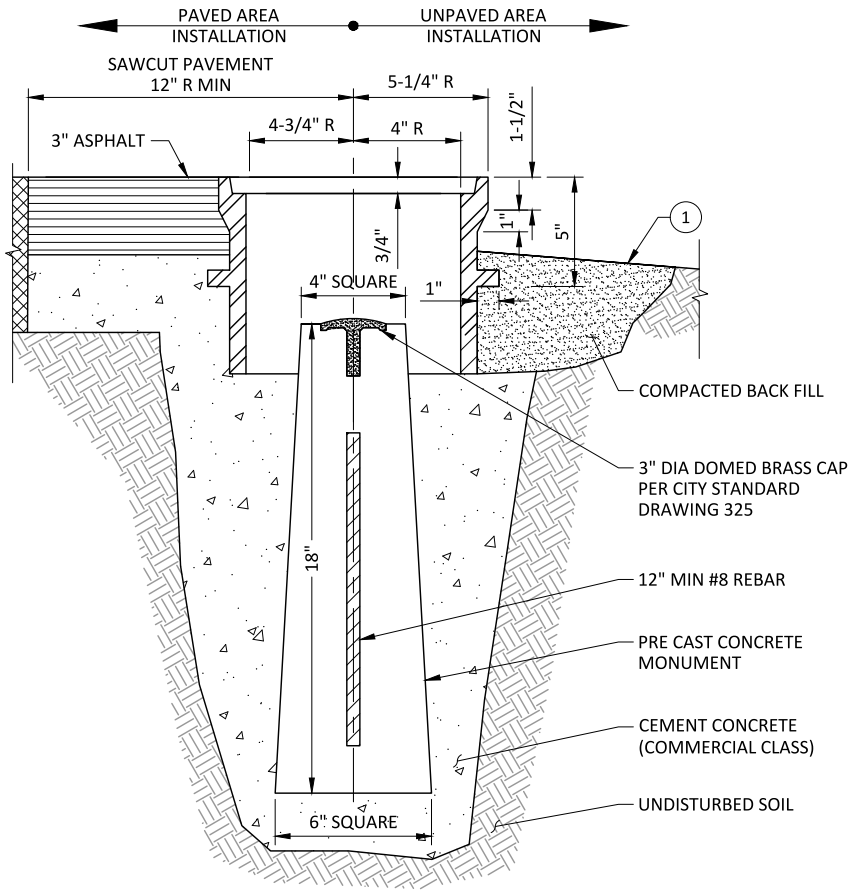
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	HEATHER GRIFFIN	PAUL WILHELM	ESH	12/30/2016

TITLE

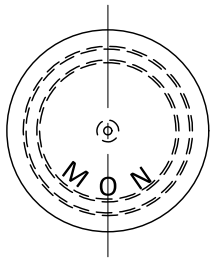
STORM DRAIN INLET PROTECTION

STANDARD DRAWING No.

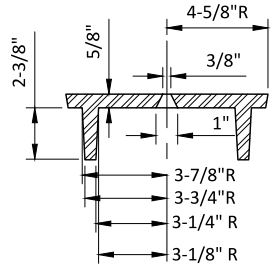
210



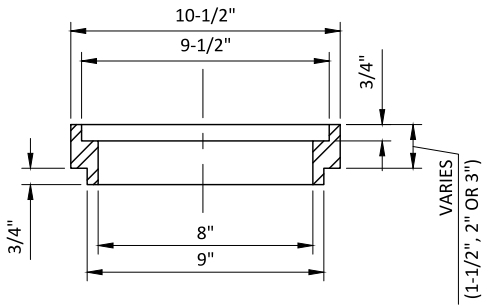
PRECAST MONUMENT



COVER PLAN



COVER SECTION



EXTENSION SECTION

NOTES

1. MONUMENTS IN UN-IMPROVED AREAS SHALL BE 3" ABOVE GRADE.
2. MONUMENT CASE AND RISER SECTION SHALL BE CAST IRON PER ASTM-A48, CLASS 30, WITH BITUMINOUS COATING.
3. COVER SHALL BE CAST IRON PER ASTM-A48 CLASS 30. WITH BITUMINOUS COATING.
4. LEGEND ON COVER SHALL BE 1/8" RAISED INTEGRALLY CAST LETTERS 1" HIGH WITH A MIN FACE WIDTH OF 3/16".

ORIENTATE BRASS CAP SO LETTERING CAN BE READ FROM SOUTH

NOTE

ALL NEW MONUMENTS SHALL BE PRECAST OR CAST IN PLACE COMMERCIAL CLASS CONCRETE, WITH REBAR AND 3" DIA BRASS CAP.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	GSL	01/15/2019

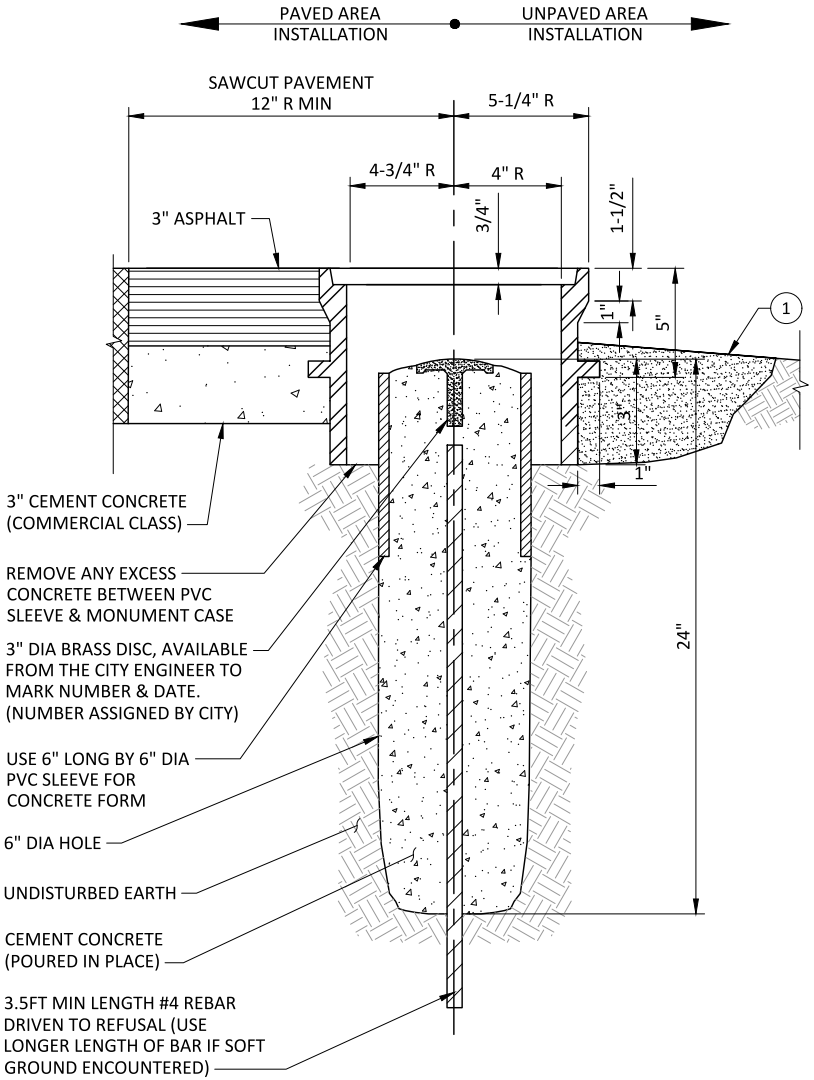
TITLE

SURVEY CONTROL MONUMENT PRECAST

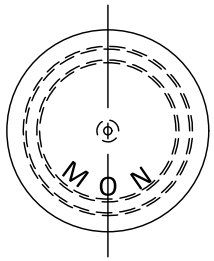
STANDARD DRAWING No.

323

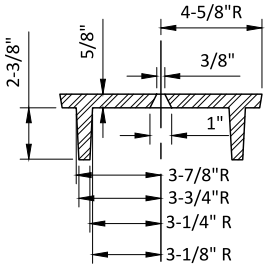
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD323.DWG
11/21/2022 10:42 AM



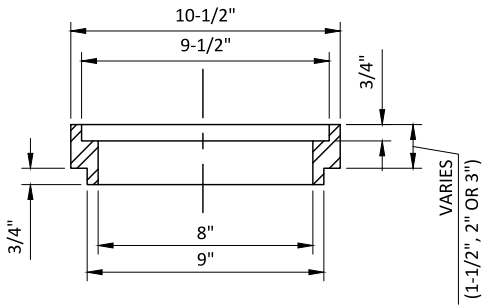
CAST IN PLACE MONUMENT



COVER PLAN



COVER SECTION



EXTENSION SECTION

NOTES

1. MONUMENTS IN UN-IMPROVED AREAS SHALL BE 3" ABOVE GRADE.
2. MONUMENT CASE AND RISER SECTION SHALL BE CAST IRON PER ASTM-A48, CLASS 30, WITH BITUMINOUS COATING.
3. COVER SHALL BE CAST IRON PER ASTM-A48 CLASS 30. WITH BITUMINOUS COATING.
4. LEGEND ON COVER SHALL BE 1/8" RAISED INTEGRALLY CAST LETTERS 1" HIGH WITH A MIN FACE WIDTH OF 3/16".

ORIENTATE BRASS CAP SO LETTERING CAN BE READ FROM SOUTH

NOTE

ALL NEW MONUMENTS SHALL BE PRECAST OR CAST IN PLACE COMMERCIAL CLASS CONCRETE, WITH REBAR AND 3" DIA BRASS CAP.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	GSL	01/15/2019

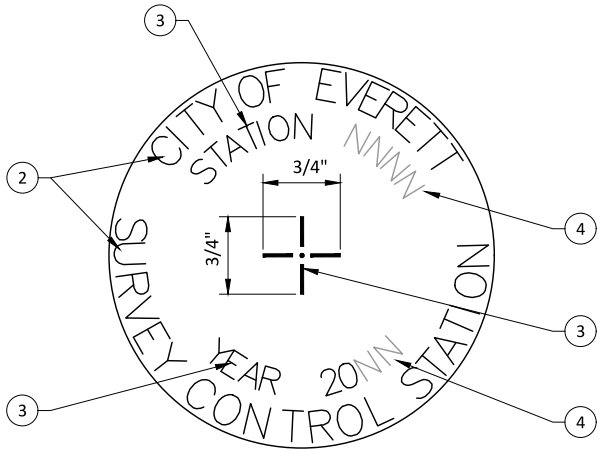
TITLE

SURVEY CONTROL MONUMENT CAST IN PLACE

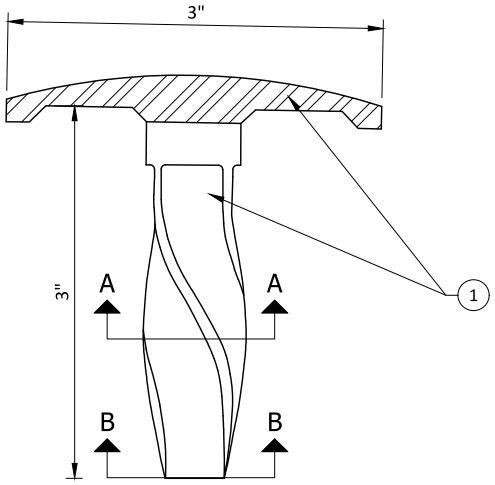
STANDARD DRAWING No.

324

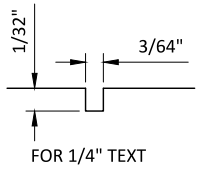
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD324.DWG



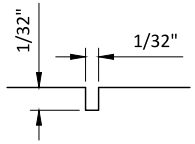
PLAN



ELEVATION

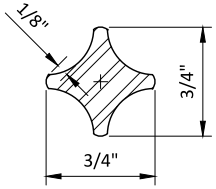


FOR 1/4" TEXT

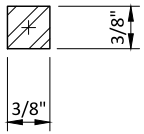


FOR 3/16" TEXT

GROOVE DETAIL



SECTION A-A



SECTION B-B

NOTES

1. DIMENSIONS OF CASTING BASE & CAP PER WSDOT STANDARD PLAN A-10.20-00
2. GROOVE FOR 1/4" HIGH CAST LETTERING ON CAP SHALL BE 1/32" DEEP BY 3/64" WIDE.
3. GROOVE FOR 3/16" HIGH CAST LETTERING AND LINES ON CAP SHALL BE 1/32" DEEP BY 1/32" WIDE.
4. "N" IS FIELD STAMPED. "STATIONING" AND "YEAR" NUMBERS SHALL BE OF SUFFICIENT DEPTH AND WIDTH SO AS TO BE CLEARLY READABLE AND SHALL BE A MIN OF 3/16" HIGH.
5. THIS BRASS DISC SHALL ONLY BE USED FOR CONTROL MONUMENTATION PER STD DWG 325 AND AS DIRECTED BY THE CITY SURVEYOR. BRASS DISC AND STATION NUMBER SHALL BE SUPPLIED BY CITY SURVEYOR.

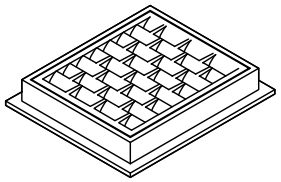
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD325.DWG

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

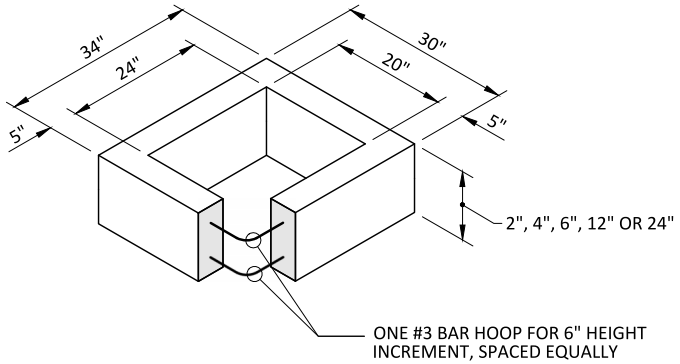
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	TOM HOOD	PAUL WILHELM	WRB	11/18/2019

TITLE
SURVEY CONTROL MONUMENTS

STANDARD DRAWING No.
325



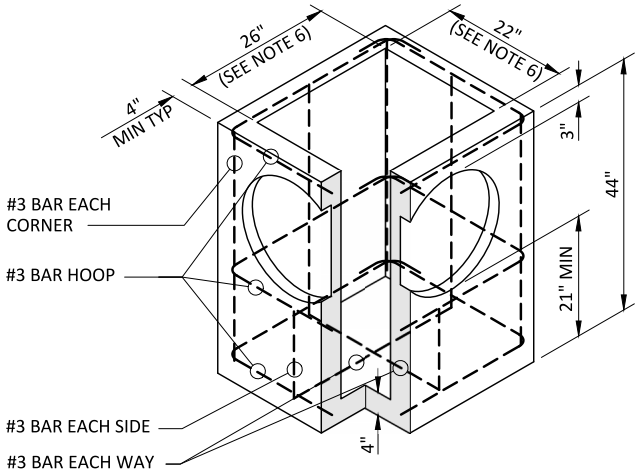
FRAME AND VANED GRATE



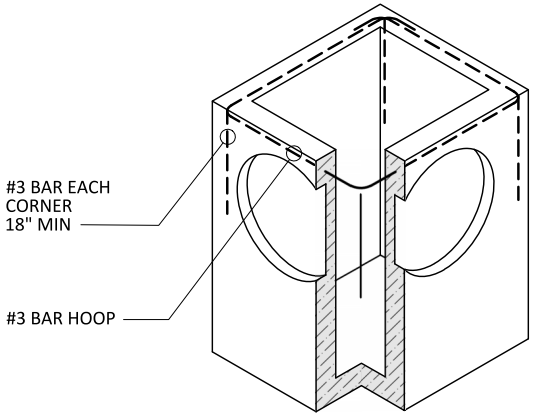
RECTANGULAR ADJUSTMENT SECTION

PIPE ALLOWANCES	
PIPE MATERIAL	MAXIMUM INSIDE DIAMETER
REINFORCED OR PLAIN CONCRETE	12"
ALL METAL PIPE	15"
*CPSSP (WSDOT STD. SPEC. 9-05.20)	12"
SOLID WALL PVC (WSDOT STD. SPEC. 9-05.12(1))	15"
PROFILE WALL PVC (WSDOT STD. SPEC. 9-05.12(2))	15"

* CORRUGATED POLYETHYLENE STORM SEWER PIPE



PRECAST BASE SECTION



ALTERNATIVE PRECAST BASE SECTION

(SEE NOTE 1)

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 20". 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 STANDARD WSDOT 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.

WSDOT STD PLAN B-5.20-01 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

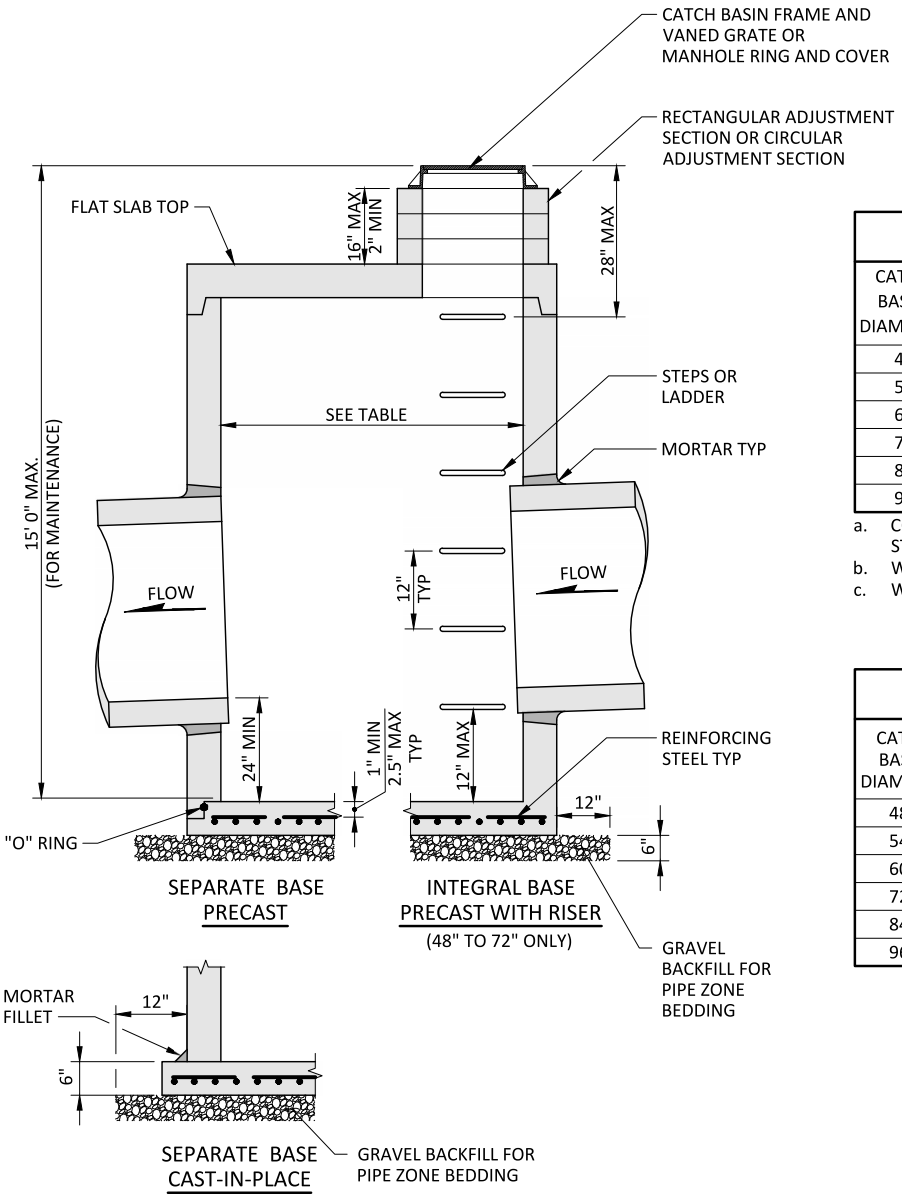
TITLE

CATCH BASIN TYPE 1

STANDARD DRAWING No.

402

Filename T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD402.DWG



PIPE ALLOWANCES

CATCH BASIN DIAMETER	PIPE MATERIAL WITH MAXIMUM INSIDE DIAMETER				
	CONCRETE	ALL METAL	CPSSP (a)	SOLID WALL PVC (b)	PROFILE WALL PVC (c)
48"	24"	30"	24"	30"	30"
54"	30"	36"	30"	36"	36"
60"	36"	42"	36"	42"	42"
72"	42"	54"	42"	48"	48"
84"	54"	60"	54"	48"	48"
96"	60"	72"	60"	48"	48"

a. CORRUGATED POLYETHYLENE STORM SEWER PIPE, WSDOT STANDARD PLAN 9-05.20.
b. WSDOT STANDARD PLAN 9-05.12(1).
c. WSDOT STANDARD PLAN 9-05.12(2).

CATCH BASIN DIMENSIONS

CATCH BASIN DIAMETER	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCKOUT SIZE	MINIMUM DISTANCE BETWEEN KNOCKOUTS
48"	4"	6"	36"	8"
54"	4.5"	8"	42"	8"
60"	5"	8"	48"	8"
72"	6"	8"	60"	12"
84"	8"	12"	72"	12"
96"	8"	12"	84"	12"

NOTES

1. NO STEPS ARE REQUIRED WHEN HEIGHT IS 4' OR LESS.
2. THE BOTTOM OF THE PRECAST CATCH BASIN MAY BE SLOPED TO FACILITATE CLEANING.
3. THE RECTANGULAR FRAME AND GRATE MAY BE INSTALLED WITH THE FLANGE UP OR DOWN. THE FRAME MAY BE CAST INTO THE ADJUSTMENT SECTION.
4. 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.
5. CONCRETE STRUCTURE SHALL MEET THE REQUIREMENTS OF AASHTO M199.
6. FOR MANHOLE COVER SEE STANDARD DRAWING 610 AND 611. REFER TO DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS SECTION 4 FOR ADDITIONAL REQUIREMENTS.
7. STEPS PER STANDARD DRAWING 609.

WSDOT STD PLAN B-10.20-01 ACCEPTABLE SUBSTITUTE

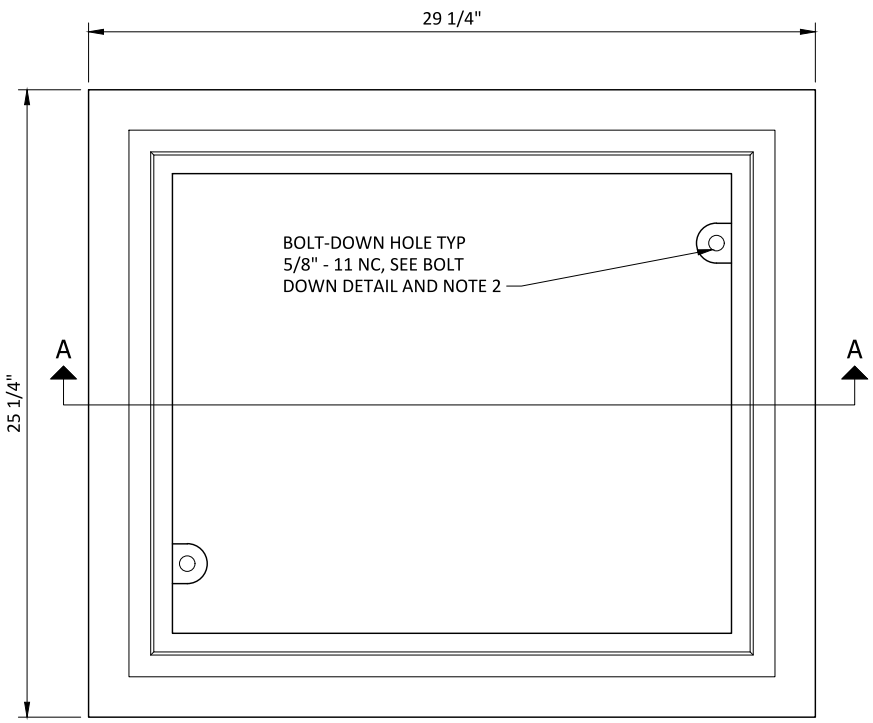
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

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 2

STANDARD DRAWING No.: 405

Filename: T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD405.DWG



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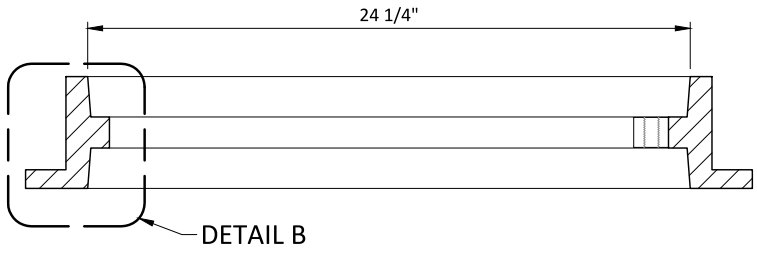
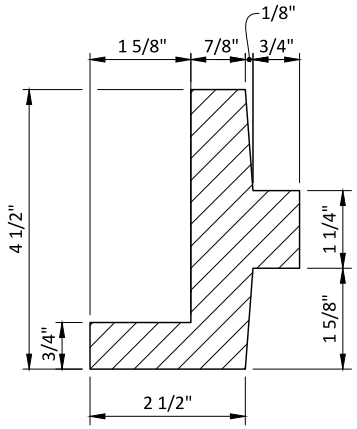
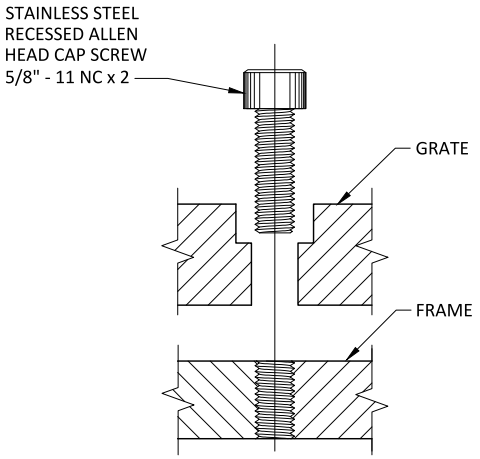


SECTION A-A



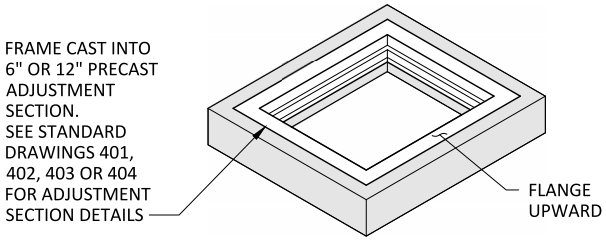
DETAIL B



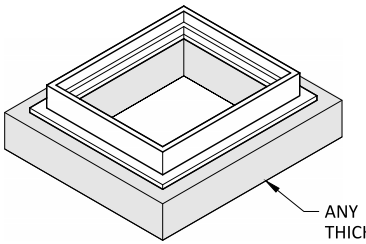
BOLT-DOWN DETAIL
(SEE NOTE 2)

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)

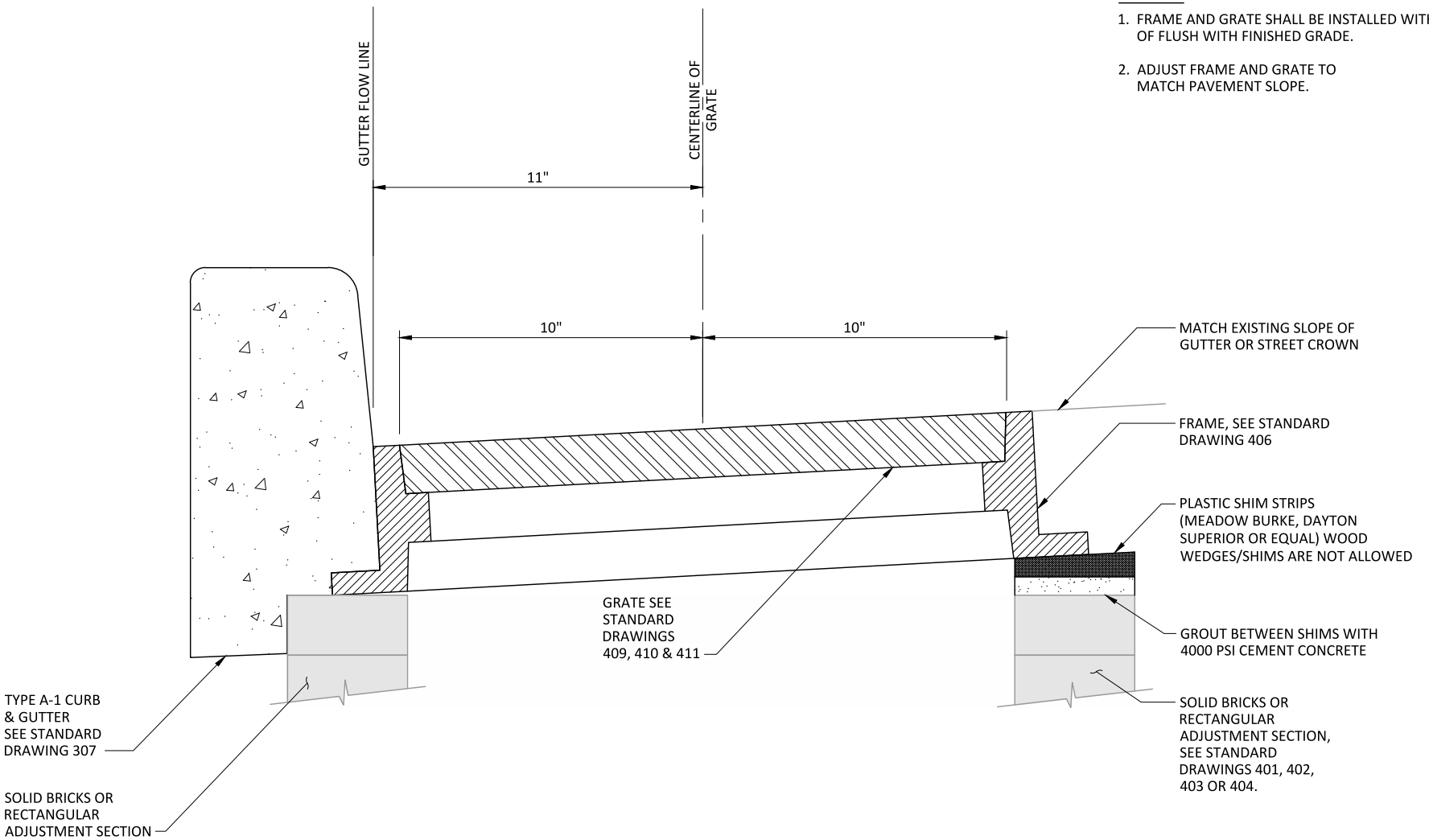
STANDARD DRAWING No.

406

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD406.DWG
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.



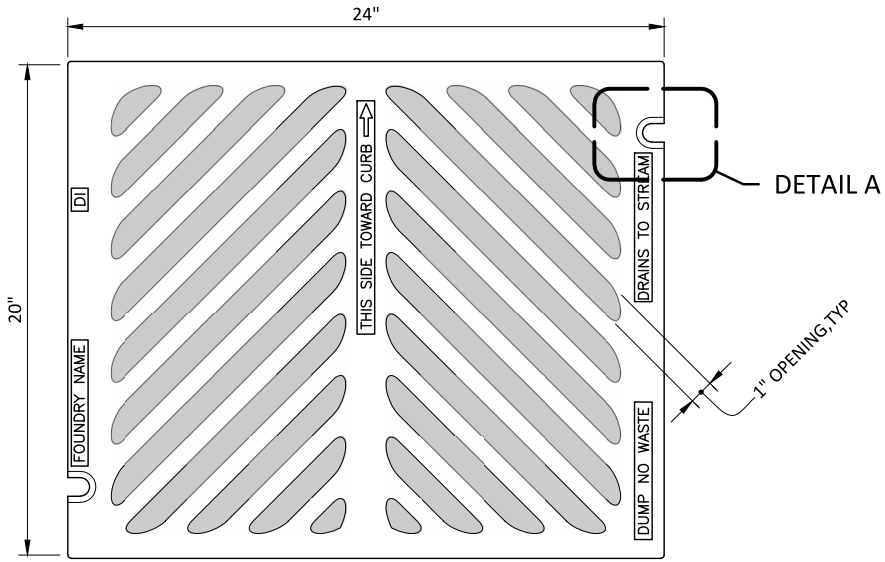
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD407.DWG

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



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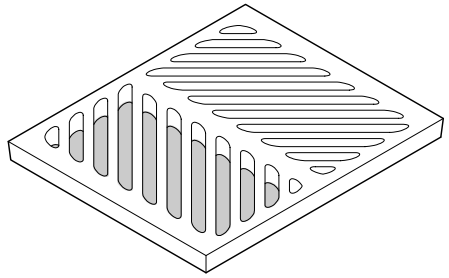
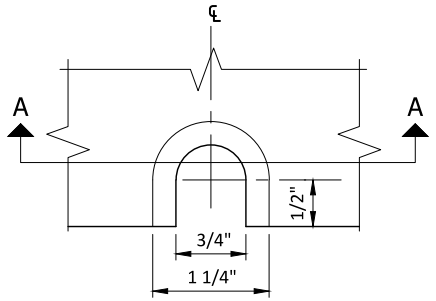
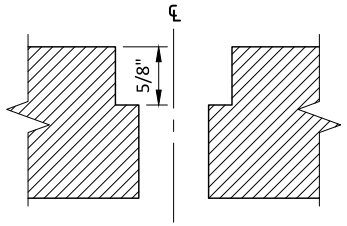


ISOMETRIC



BOLT-DOWN SLOT
DETAIL A



SECTION A-A
(SEE NOTE 1)

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 DRAWING 406.
4. THE THICKNESS OF THE GRATE SHALL NOT EXCEED 1 5/8".
5. VANED GRATES SHALL BE SPECIFIED, SEE STANDARD DRAWING 411 . THE CITY OF EVERETT SHALL GRANT THE USE OF A HERRINGBONE GRATE ON A CASE BY CASE BASIS.
6. 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.

WSDOT STD PLAN B-30.50-01, 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	01/03/2019

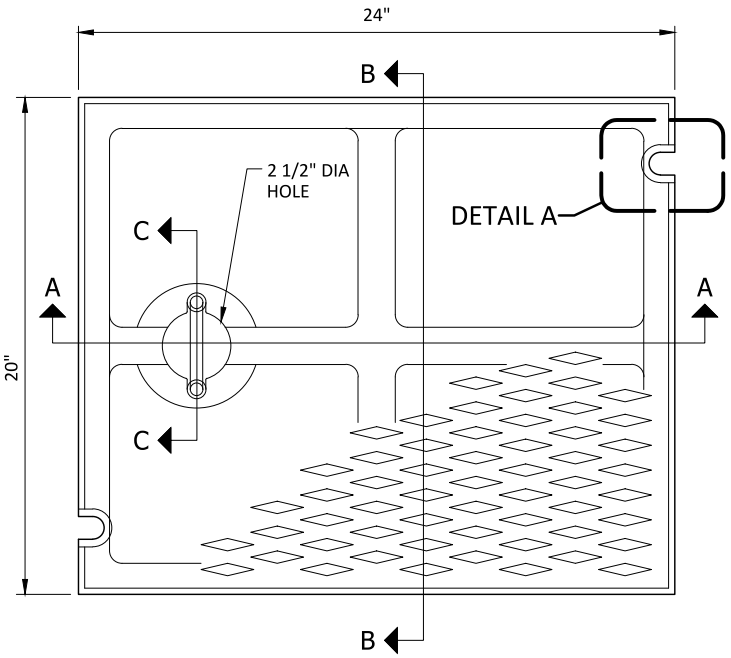
TITLE

HERRINGBONE GRATE
FOR CATCH BASIN OR INLET

STANDARD DRAWING No.

409

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD409.DWG
PLOTTED: 11/21/2022 10:45 AM



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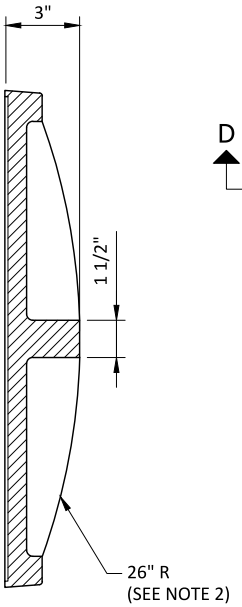
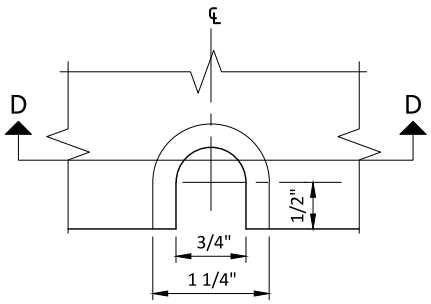
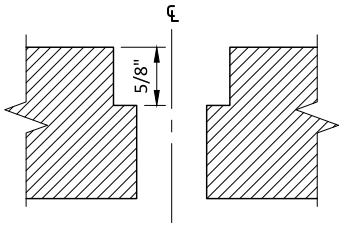


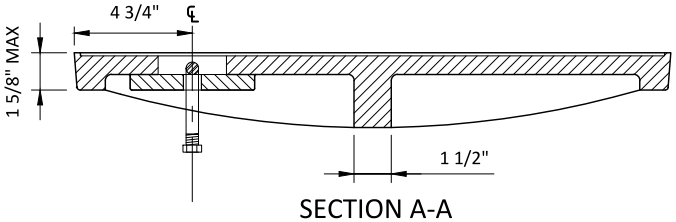
SECTION B-B



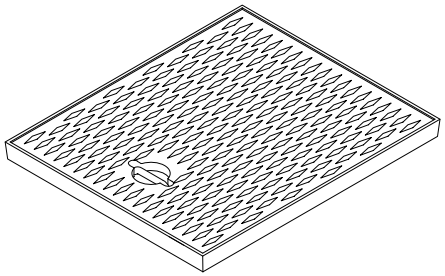
BOLT-DOWN SLOT
DETAIL A



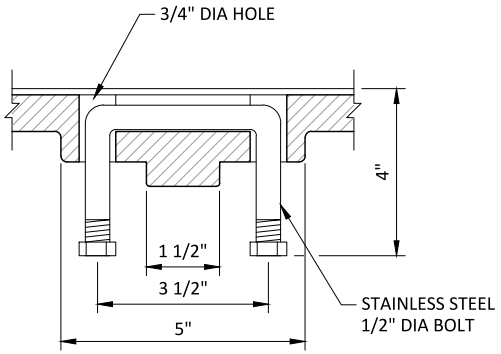
SECTION D-D
(SEE NOTE 1)



SECTION A-A



ISOMETRIC



LIFT HANDLE
SECTION C-C

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. ALTERNATIVE REINFORCING DESIGNS ARE ACCEPTABLE IN LIEU OF THE RIB DESIGN.
3. REFER TO WSDOT STANDARD SPECIFICATION 9-05.15(2) AND DESIGN CONSTRUCTION STANDARDS AND SPECIFICATIONS SECTION 4 FOR ADDITIONAL REQUIREMENTS.
4. FOR FRAME DETAILS, SEE STANDARD DRAWING 406.

WSDOT STD PLAN B-30.20-02, 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	03/07/2017

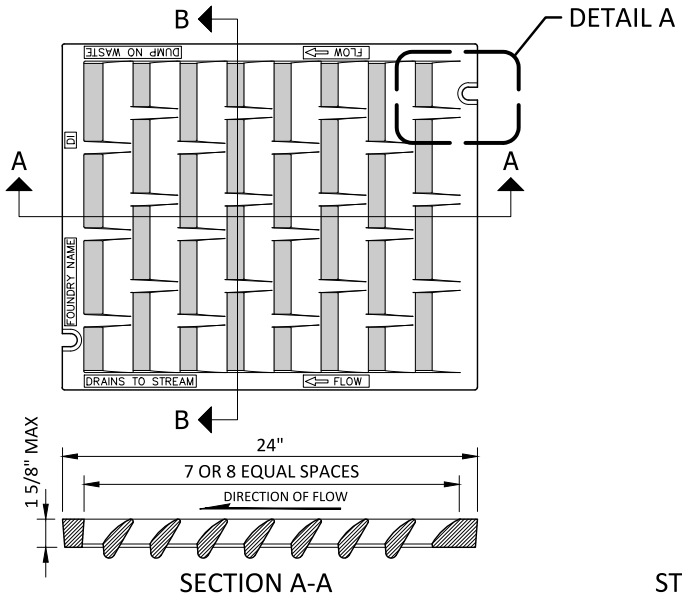
TITLE

SOLID COVER
FOR CATCH BASIN OR INLET

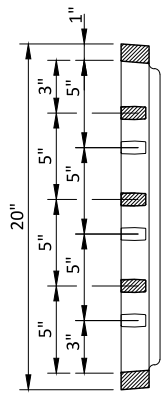
STANDARD DRAWING No.

410

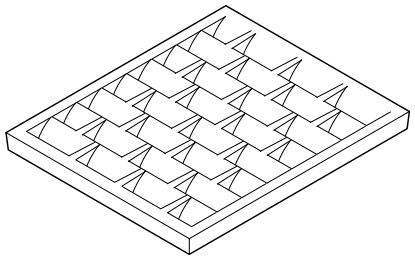
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD410.DWG
PLOTTED: 11/21/2022 10:45 AM



SECTION A-A



SECTION B-B

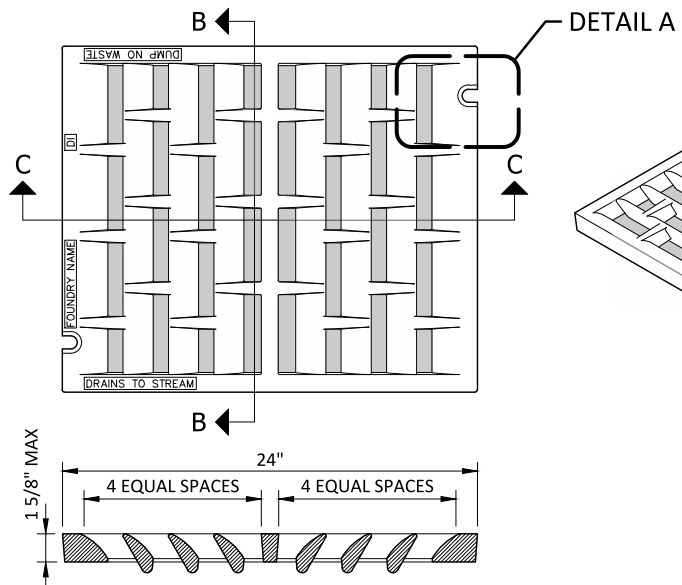


ISOMETRIC

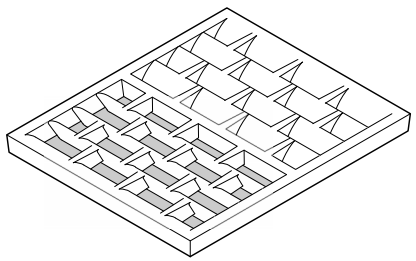
NOTES

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.

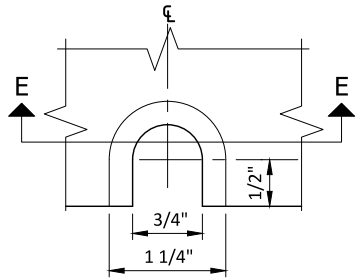
STANDARD DIRECTIONAL GRATE



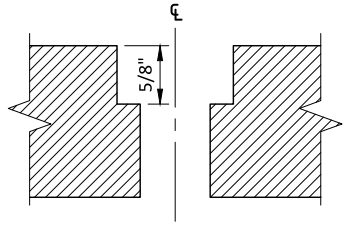
SECTION C-C



ISOMETRIC



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

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

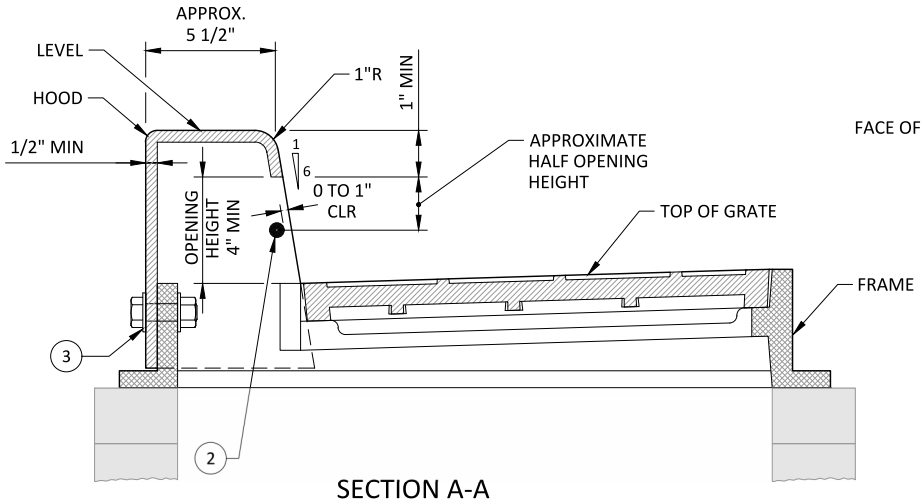
TITLE

VANED GRATES
FOR CATCH BASIN OR INLET

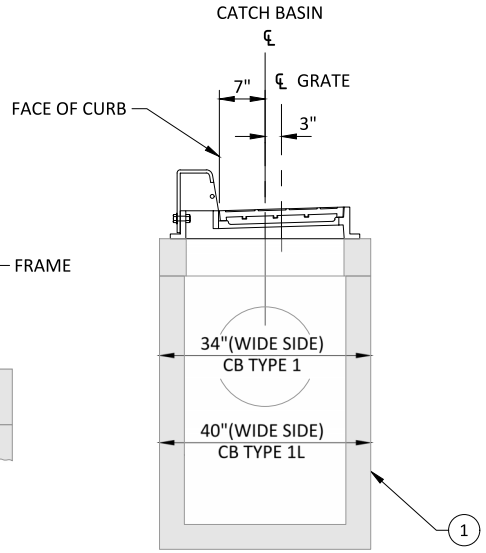
STANDARD DRAWING No.

411

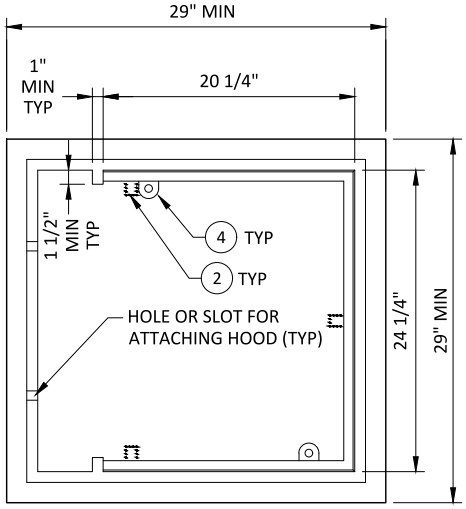
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD411.DWG
PLOTTED: 11/21/2022 10:45 AM



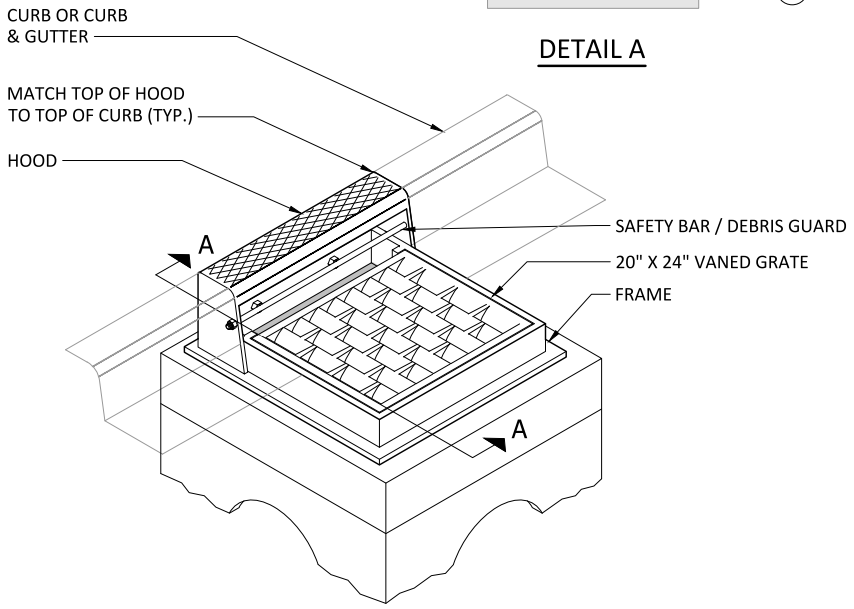
SECTION A-A



DETAIL A



TOP VIEW FRAME DETAIL



ISOMETRIC VIEW COMBINATION INLET
FRAME, HOOD, AND VANED GRATE

NOTES

1. THIS INLET REQUIRES THE PRECAST CATCH BASIN UNIT TO BE ROTATED 90 DEGREES SO THAT THE NARROW SIDE IS PARALLEL TO THE CURB LINE. WHEN CALCULATING OFFSETS FROM CURB TO CENTERLINE OF THE PRECAST CATCH BASIN, PLEASE NOTE THAT THE CENTERLINE OF THE GRATE IS NOT THE CENTERLINE OF THE PRECAST CATCH BASIN. SEE SECTION A.
2. THE DIMENSIONS OF THE FRAME AND HOOD MAY VARY SLIGHTLY AMONG DIFFERENT MANUFACTURERS. THE FRAME MAY HAVE CAST FEATURES INTENDED TO SUPPORT A DEBRIS GUARD. HOOD UNITS MAY BE MOUNTED INSIDE OR OUTSIDE OF THE FRAME. THE METHODS FOR FASTENING THE SAFETY BAR / DEBRIS GUARD TO THE HOOD MAY VARY. THE HOOD MAY INCLUDE CASTING LUGS. THE TOP OF THE HOOD MAY BE CAST WITH A PATTERN.
3. ATTACH THE HOOD TO THE FRAME WITH TWO 3/4" × 2" STAINLESS STEEL HEX HEAD BOLTS, NUTS, AND OVERSIZE WASHERS. THE WASHERS SHALL HAVE DIAMETERS ADEQUATE TO ENSURE FULL BEARING ACROSS THE SLOTS.
4. BOLT-DOWN CAPABILITY IS REQUIRED ON ALL FRAMES, GRATES AND COVERS, UNLESS SPECIFIED IN THE CONTRACT. PROVIDE TWO HOLES IN THE FRAME THAT ARE VERTICALLY ALIGNED WITH THE GRATE SLOTS. THE FRAME SHALL ACCEPT THE 5/8" - 11 NC × 2" STAINLESS STEEL ALLEN HEAD CAP SCREW BY BEING TAPPED, OR OTHER APPROVED MECHANISM. THE LOCATION OF BOLT-DOWN HOLES VARIES AMONG DIFFERENT MANUFACTURERS. SEE BOLT-DOWN DETAIL, STANDARD DRAWING 406.
5. ONLY DUCTILE IRON VANED GRATES SHALL BE USED. SEE STANDARD DRAWING 411 FOR GRATE DETAILS. REFER TO WSDOT STANDARD SPECIFICATION 9-05.15(2) AND DESIGN CONSTRUCTION STANDARDS AND SPECIFICATIONS SECTION 4 FOR ADDITIONAL REQUIREMENTS.
6. THIS PLAN IS INTENDED TO SHOW THE INSTALLATION DETAILS OF A MANUFACTURED PRODUCT. THIS PLAN IS NOT INTENDED TO SHOW THE SPECIFIC DETAILS NECESSARY TO FABRICATE THE CASTINGS DEPICTED IN THIS DRAWING.

WSDOT STD PLAN B-25.20-01, 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

OPEN CURB FACE
FRAME AND GRATE

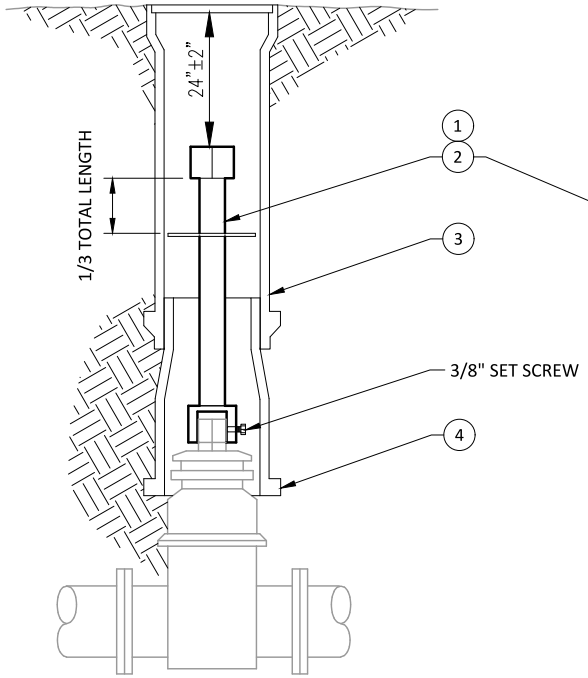
STANDARD DRAWING No.

412

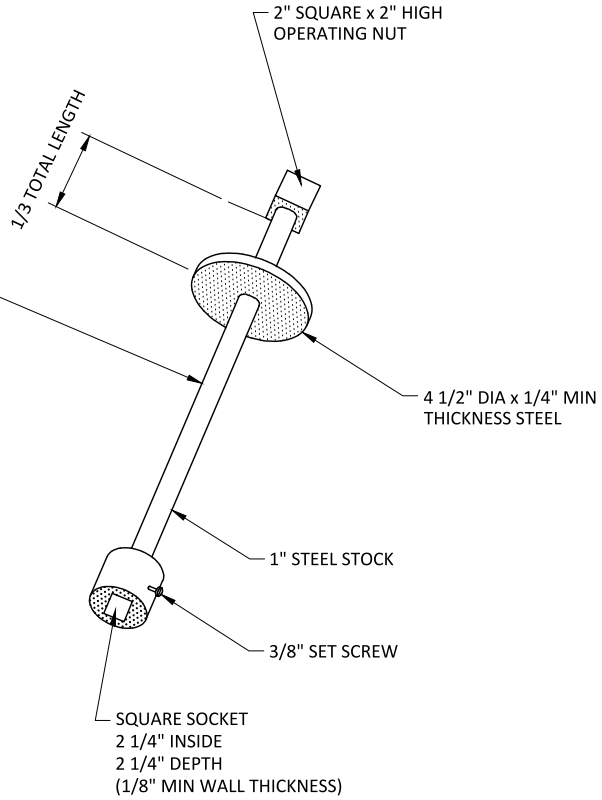
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD412.DWG
PLOTTED: 11/21/2022 10:45 AM

NOTES

1. VALVE OPERATING NUT EXTENSIONS ARE REQUIRED WHEN THE VALVE NUT IS MORE THAN THREE (3) FEET BELOW FINISHED GRADE. EXTENSIONS ARE TO BE A MINIMUM OF ONE (1) FOOT LONG. ONLY ONE EXTENSION WILL BE ALLOWED PER VALVE.
2. ALL VALVE OPERATING NUT EXTENSIONS ARE TO BE MADE OF STEEL, SIZED AS NOTED, AND PAINTED WITH TWO (2) COATS OF METAL PAINT.
3. VALVE BOXES IN PAVED AREAS SHALL BE CAST IRON, TWO PIECE UNITS, EAST JORDAN 8555 16" TOP, 24" BOTTOM AND EAST JORDAN 6800 HEAVY DUTY LID W/ "WATER" ON LID. IN GRASS, NON-PAVED OR NON-TRAFFIC AREAS USE OF PLASTIC VALVE BOXES, WITH CAST IRON LID AS MANUFACTURED BY HANDLEY INDUSTRIES ARE ACCEPTABLE.
4. USE OF PLASTIC VALVE BOX EXTENSIONS, AS MANUFACTURED BY HANDLEY INDUSTRIES ARE ACCEPTABLE.



VALVE BOX AND EXTENSION



VALVE OPERATING NUT EXTENSION

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	R. HEFTI	PAUL WILHELM	WRB	12/30/2016

TITLE: VALVE BOX AND EXTENSION

STANDARD DRAWING No.: 505

Filename
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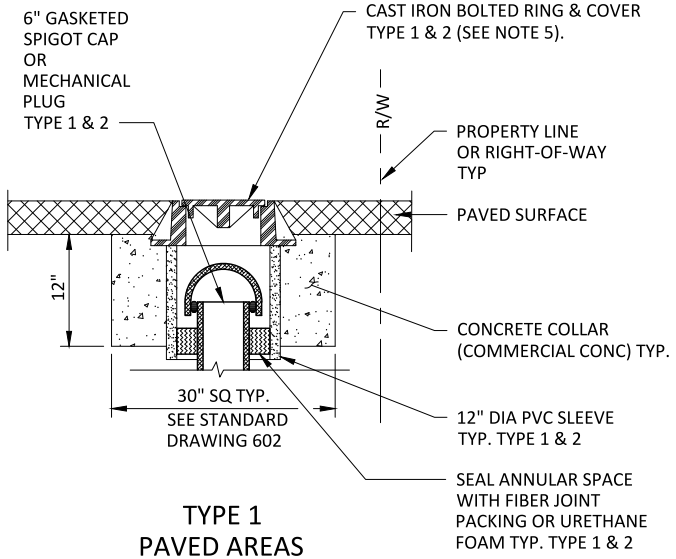
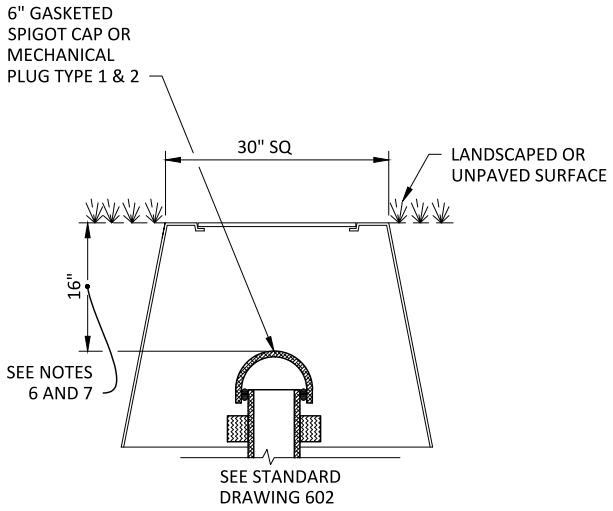
11/21/2022 10:48 AM

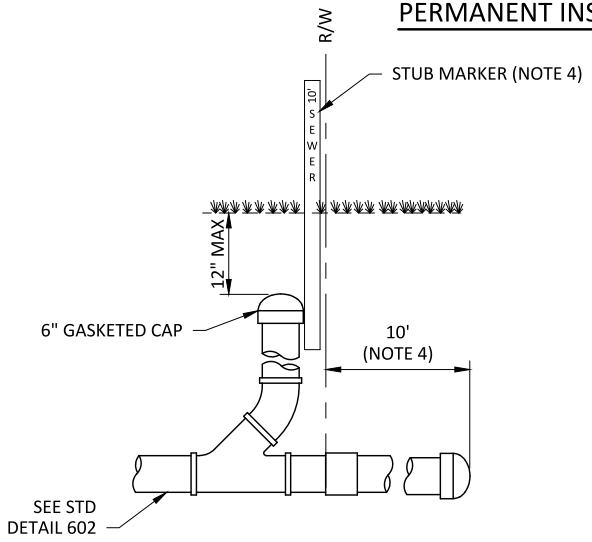


TYPE 1
PAVED AREAS

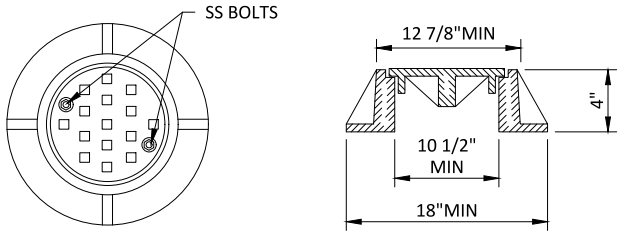


TYPE 2
UNPAVED AREAS

PERMANENT INSTALLATIONS



TYPE 3
UNPAVED AREA
TEMPORARY INSTALLATION FOR NEW DEVELOPMENT



PLAN SECTION

12" CAST IRON BOLTED RING AND COVER
(SEE NOTE 5)

NOTES

1. CLEAN-OUT PIPE AND FITTINGS SHALL BE PVC, ASTM D3034, SDR 35 OR AWWA C900.
2. A SANITARY TEE MAY BE INSTALLED IN LIEU OF A WYE AS SHOWN. STRAIGHT TEES ARE NOT ACCEPTABLE.
3. SEWER STUB WILL BE EXTENDED 10' BEYOND PROPERTY LINE TO PREVENT DAMAGE TO CLEAN-OUT AND MINIMIZE CONFLICTS WITH OTHER UTILITIES WHEN SERVICE TO BUILDING IS INSTALLED.
4. TYPE 3 TEMPORARY INSTALLATIONS (NEW DEVELOPMENT) SHALL HAVE A PRESSURE TREATED 2"X4" STUB MARKER THAT EXTENDS DOWN TO A MIN OF 24" BELOW GROUND. A MIN OF 36" SHALL EXTEND ABOVE GROUND. STUB MARKER SHALL BE PAINTED WITH WHITE TRAFFIC PAINT. THE WORD "SEWER" AND THE DEPTH IN FEET FROM GROUND SURFACE TO SEWER STUB PIPE INVERT SHALL BE PAINTED ON THE MARKER WITH 3" HIGH BLACK PAINTED LETTERS.
5. CAST IRON BOLTED RING AND COVER SHALL BE EAST JORDAN IRON WORKS NO. 3660CPT OR EQUAL.
6. RING AND COVER INSTALLATION IS SHOWN FOR PAVED AND UNPAVED AREAS, FIELD CONDITIONS WILL DICTATE WHICH INSTALLATION IS APPROPRIATE.
7. RING AND COVER WITH CONCRETE COLLAR MAY BE PLACED AT GROUND SURFACE IN UNPAVED AREAS IF DESIRED.

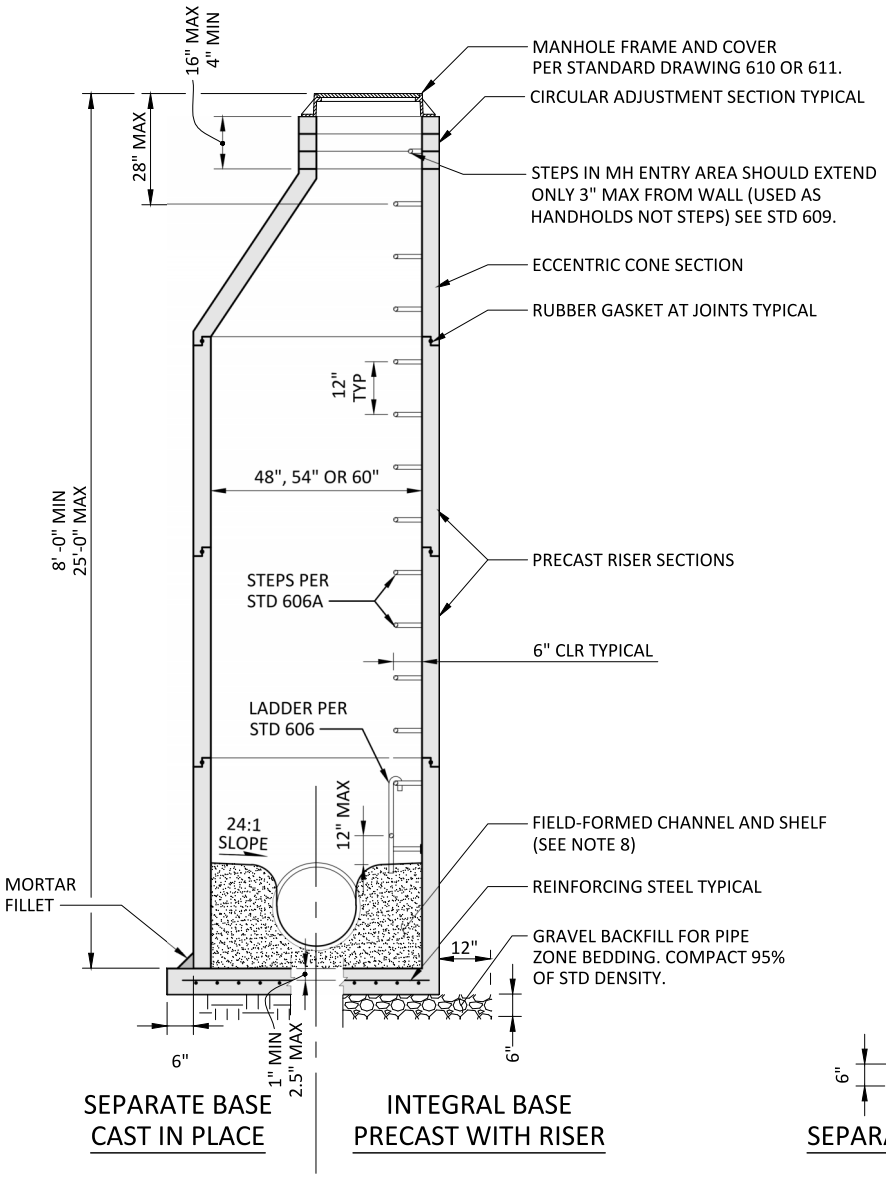
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

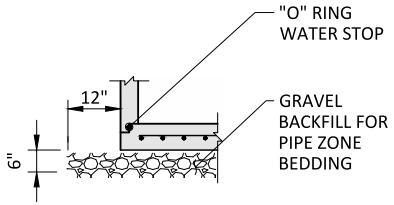
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	DAVID VOIGT	PAUL WILHELM	ESH	03/30/2017

TITLE
SEWER CLEAN-OUT
TYPE 1, 2, 3 & 12" CAST IRON RING & COVER

STANDARD DRAWING No.
604

Filename





SEPARATE BASE PRECAST

NOTES

1. MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M-199 (ASTM C 478) UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN STANDARD SPECIFICATIONS.
2. ALL REINFORCED CAST IN PLACE CONCRETE SHALL BE CLASS 4000. NON-REINFORCED CONCRETE IN CHANNEL AND SHELF SHALL BE 7 SACK MIX SAND AND CEMENT GROUT. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
3. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS FOR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OR 2" MINIMUM.
4. ALL BASE REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MINIMUM CLEARANCE.
5. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS.
6. MANHOLE DIA. DEPENDS ON: SIZE, LOCATION AND NUMBER OF PENETRATIONS FOR PIPES. MANHOLE DESIGN AND SIZE SHALL BE APPROVED AND WARRANTED BY THE MANHOLE SUPPLIER.
7. FOR HEIGHTS OVER 25' MANHOLE BASE SLAB SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.
8. CONCRETE CHANNEL AND SHELF SHALL BE FIELD-FORMED EXCEPT WHERE APPROVED IN ADVANCE BY CITY.

NOTE: KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM TO 2.5" MAXIMUM.

MANHOLE DIMENSIONS TABLE

DIA	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCK OUT SIZE	MINIMUM DISTANCE BWT KNOCKOUTS	BASE REINFORCING STEEL IN²/FT IN EACH DIRECTION	
					SEPARATE BASE	INTEGRAL BASE
48"	4"	6"	36"	8"	0.23	0.15
54"	4.5"	8"	42"	8"	0.19	0.19
60"	5"	8"	48"	8"	0.25	0.25

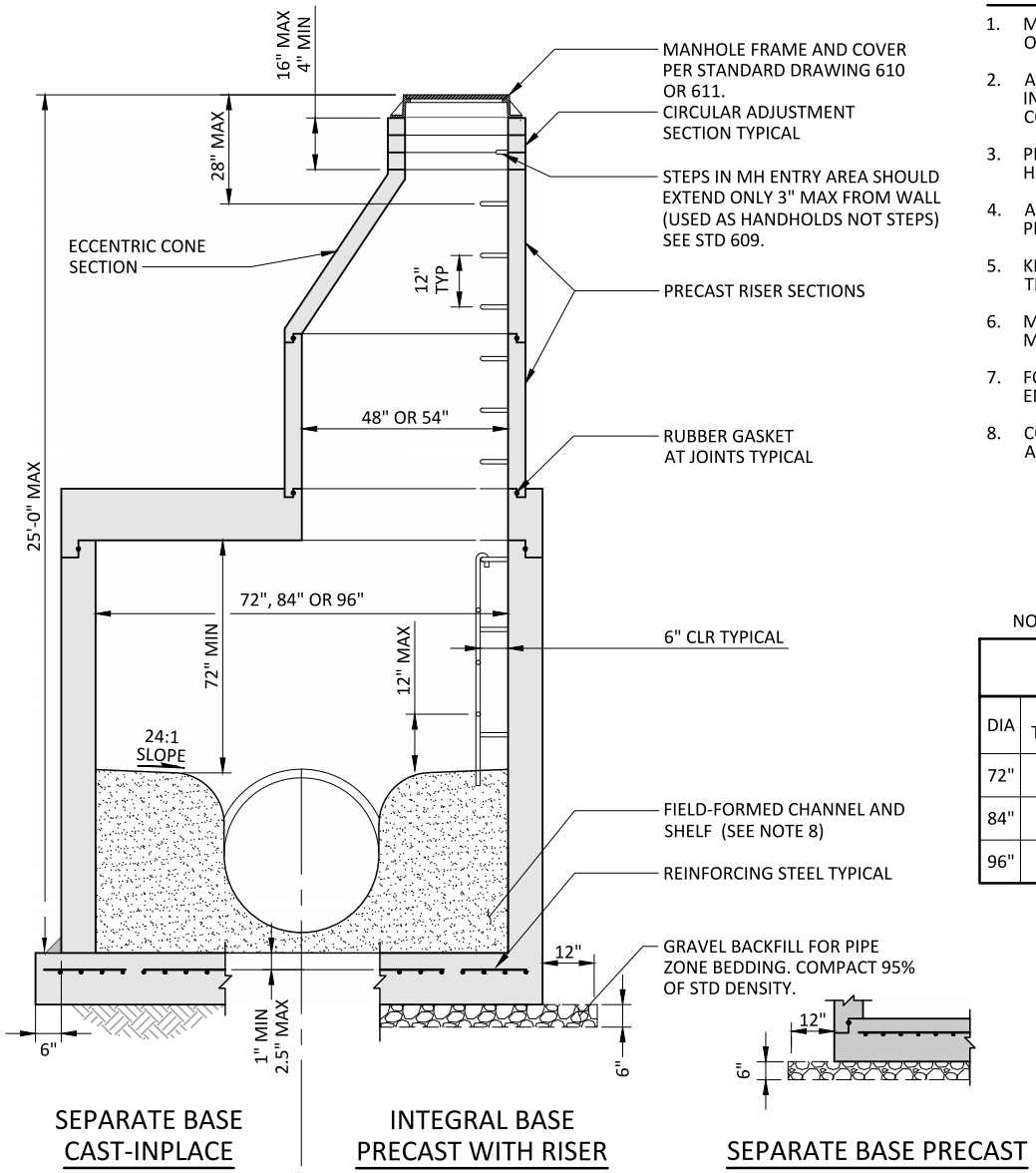
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	DAVID VOIGT	PAUL WILHELM	ESH	03/30/2017

TITLE
TYPE 1 MANHOLE
48", 54" & 60"

STANDARD DRAWING No.
605

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD605.DWG



SEPARATE BASE CAST-INPLACE

INTEGRAL BASE PRECAST WITH RISER

SEPARATE BASE PRECAST

NOTES

1. MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M-199 (ASTM C 478) UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN STANDARD SPECIFICATIONS.
2. ALL REINFORCED CAST IN PLACE CONCRETE SHALL BE CLASS 4000. NON-REINFORCED CONCRETE IN CHANNEL AND SHELF SHALL BE 7 SACK MIX SAND AND CEMENT GROUT. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
3. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS FOR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OR 2" MINIMUM.
4. ALL BASE REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MINIMUM CLEARANCE.
5. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS.
6. MANHOLE DIA. DEPENDS ON: SIZE, LOCATION AND NUMBER OF PENETRATIONS FOR PIPES. MANHOLE DESIGN AND SIZE SHALL BE APPROVED AND WARRANTED BY THE MANHOLE SUPPLIER.
7. FOR HEIGHTS OVER 25' MANHOLE BASE SLAB DESIGN SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.
8. CONCRETE CHANNEL AND SHELF SHALL BE FIELD-FORMED EXCEPT WHERE APPROVED IN ADVANCE BY CITY.

NOTE: KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM TO 2.5" MAXIMUM.

MANHOLE DIMENSIONS TABLE

DIA	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCK OUT SIZE	MINIMUM DISTANCE BWT KNOCKOUTS	BASE REINFORCING STEEL IN²/FT IN EACH DIRECTION	
					SEPARATE BASE	INTEGRAL BASE
72"	6"	8"	60"	12"	0.35	0.24
84"	8"	12"	72"	12"	0.39	0.29
96"	8"	12"	84"	12"	0.39	0.29

WSDOT STD PLAN B-15.40.00, MANHOLE TYPE 2 ACCEPTABLE SUBSTITUTE

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	DAVID VOIGT	PAUL WILHELM	ESH	03/30/2017

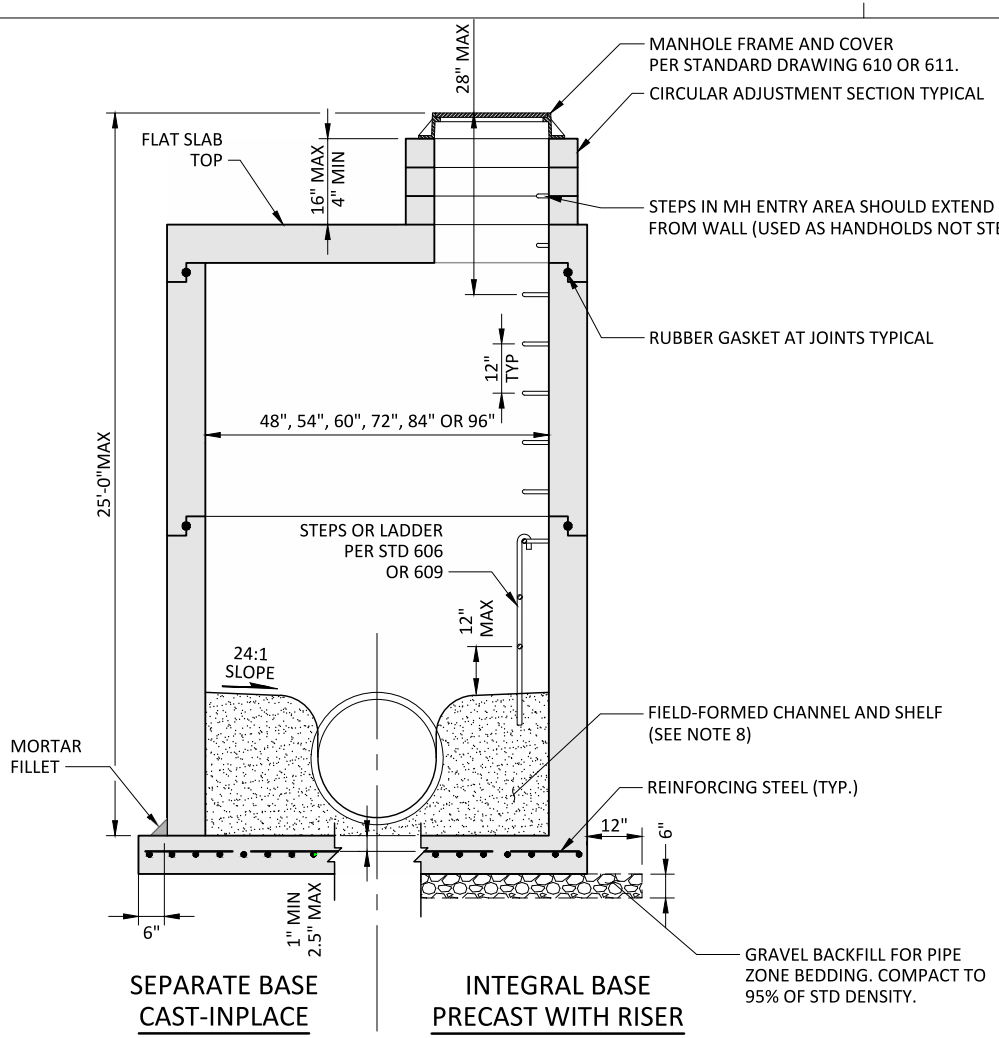
TITLE

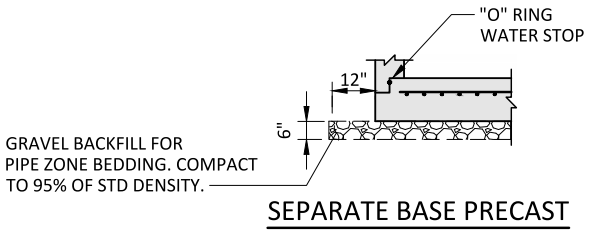
TYPE 2 MANHOLE
72", 84" & 96"
WITH 48" OR 54" RISER

STANDARD DRAWING No.

606

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD606.DWG





SEPARATE BASE PRECAST

NOTES

1. MANHOLES TO BE CONSTRUCTED IN ACCORDANCE WITH AASHTO M-199 (ASTM C 478) UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN STANDARD SPECIFICATIONS.
2. ALL RREINFORCED CAST IN PLACE CONCRETE SHALL BE CLASS 4000. NON-REINFORCED CONCRETE IN CHANNEL AND SHELF SHALL BE 7 SACK MIX SAND AND CEMENT GROUT. ALL PRECAST CONCRETE SHALL BE CLASS 4000.
3. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS FOR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OR 2" MINIMUM.
4. ALL BASE REINFORCING STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MINIMUM CLEARANCE.
5. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAMETER PLUS MANHOLE WALL THICKNESS.
6. MANHOLE DIA. DEPENDS ON: SIZE, LOCATION AND NUMBER OF PENETRATIONS FOR PIPES. MANHOLE DESIGN AND SIZE SHALL BE APPROVED AND WARRANTED BY THE MANHOLE SUPPLIER.
7. FOR HEIGHTS OVER 25' MANHOLE BASE SLAB DESIGN SHALL BE DESIGNED BY A STRUCTURAL ENGINEER.
8. CONCRETE CHANNEL AND SHELF SHALL BE FIELD-FORMED EXCEPT WHERE APPROVED IN ADVANCE BY CITY.

MANHOLE DIMENSIONS TABLE

DIA	WALL THICKNESS	BASE THICKNESS	MAXIMUM KNOCK OUT SIZE	MINIMUM DISTANCE BWT KNOCKOUTS	BASE REINFORCING STEEL IN^2/FT IN EACH DIRECTION	
					SEPARATE BASE	INTEGRAL BASE
48"	4"	6"	36"	8"	0.23	0.15
54"	4.5"	8"	42"	8"	0.19	0.19
60"	5"	8"	48"	8"	0.25	0.25
72"	6"	8"	60"	12"	0.35	0.24
84"	8"	12"	72"	12"	0.39	0.29
96"	8"	12"	84"	12"	0.39	0.29

NOTE: KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MINIMUM TO 2.5" MAXIMUM.

WSDOT STD PLAN B-15.60.00,
MANHOLE TYPE 3
ACCEPTABLE SUBSTITUTE

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

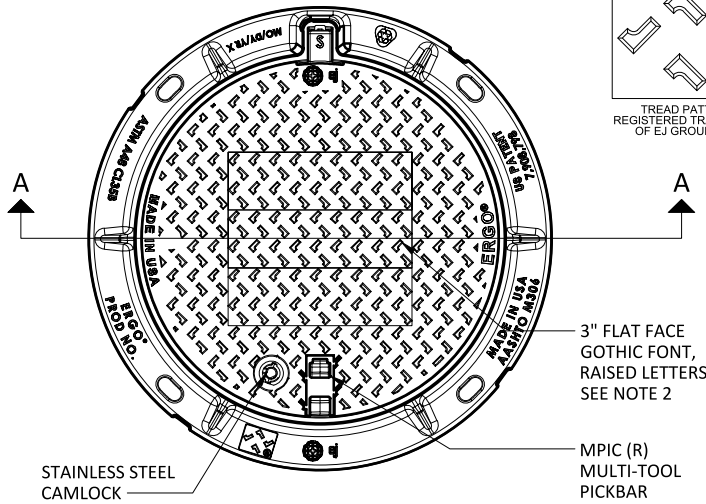
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	DAVID VOIGT	PAUL WILHELM	ESH	03/30/2017

TITLE
TYPE 3 SS OR CS MANHOLE
48", 54", 60", 72", 84" & 96"
WITH 48" OR 54" RISER

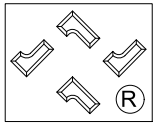
STANDARD DRAWING No.
607

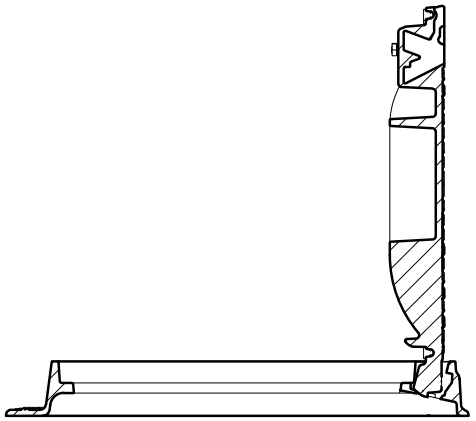
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD607.DWG

ERGO Assembly

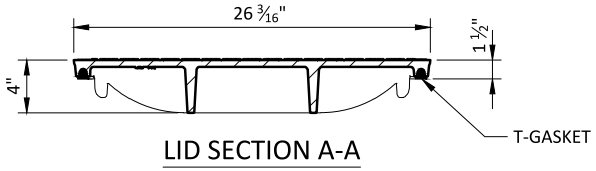


PLAN

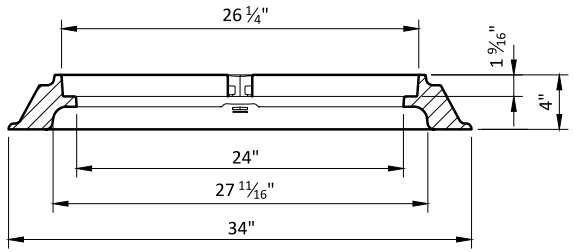




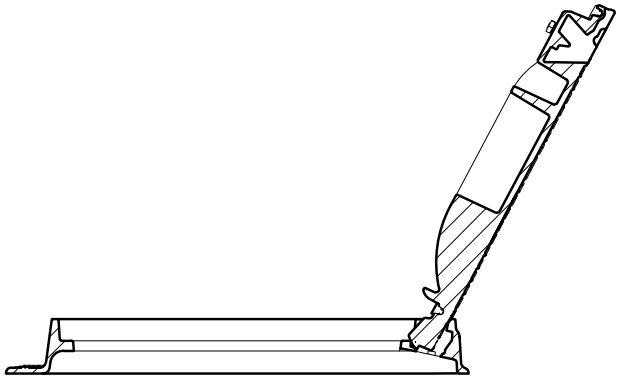
SAFETY LOCK@90



LID SECTION A-A



FRAME SECTION A-A



FULLY OPENED@120

NOTES

1. MANHOLE COVER AND FRAME SHALL BE AS MANUFACTURED BY EJCO OR APPROVED EQUAL. COVER SHALL BE MANUFACTURED FROM DUCTILE IR0N, ASTM A536.
2. COVER SHALL BE STAMPED "SEWER", OR "DRAIN" DEPENDING ON APPLICATION.
3. COVERS SHALL BE HINGED AND INCORPORATE A 90 DEGREE SAFETY CATCH BLOCKING SYSTEM TO PREVENT ACCIDENTAL CLOSURE AND REMOVABLE AT 120° OPEN. FRAME AND COVER SHALL EXCEED AASHTO H20, M306 OR M105 LOADINGS..
4. FRAMES SHALL BE CIRCULAR, INCORPORATE A SEATING RING AND A FITTED PLUG IN EACH HINGE HOUSING, AND BE AVAILABLE IN A 24 INCH MINIMUM CLEAR OPENING. THE STANDARD FRAME DEPTH SHALL NOT EXCEED 5 INCHES, AND THE FLANGE SHALL INCORPORATE BEDDING SLOTS, BOLT HOLES, AND LIFTING EYES.
5. SHALL BE USED FOR ALL NEW SEWER MANHOLES AND WHERE EXISTING STANDARD MANHOLE FRAME AND COVER ARE TO BE REPLACED.

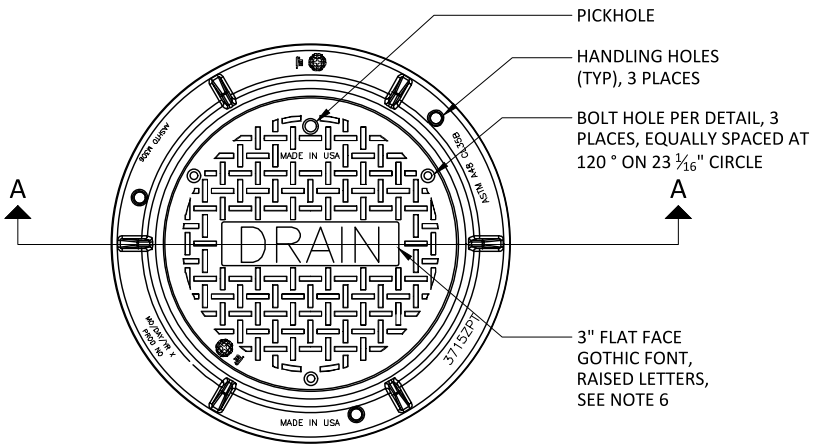
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	AMIE ROSHAK	PAUL WILHELM	ESH	12/20/2023

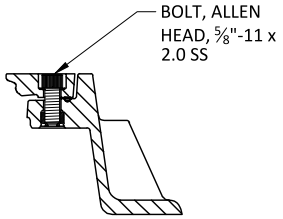
TITLE
HINGED MANHOLE
FRAME & COVER

STANDARD DRAWING No.
610

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD610.DWG
1/2/2024 1:45 PM



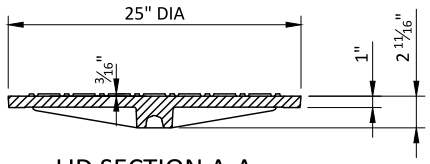
PLAN



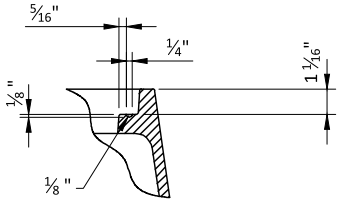
EON BOLTING DETAIL

NOTES

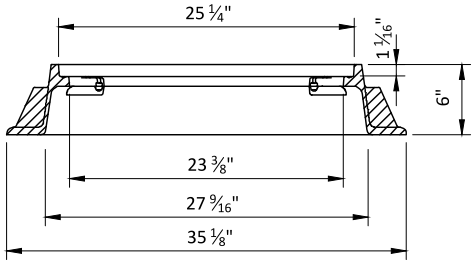
1. MANHOLE FRAMES SHALL BE GRAY IRON CONFORMING TO THE REQUIREMENTS OF AASHTO M 105, GRADE 30B.
2. MANHOLE COVER TO BE DUCTILE IRON CONFORMING TO ASTM A536, GR 80-55-06
3. LOCKING COVER TO BE USED AT OFF-STREET LOCATIONS AND OTHER LOCATIONS AS DIRECTED. THE COVER SHALL BE LOCKED DOWN WITH 3-5/8" S.S SOCKET HEAD CAP SCREWS.
4. FRAME AND COVER SHALL BE TESTED FOR ACCURACY OF FIT AND SHALL BE MARKED IN SETS FOR DELIVERY.
5. SHALL BE USED ONLY WHERE DIRECTED BY THE CITY OR APPROVED IN ADVANCE.
6. COVER SHALL BE STAMPED "SEWER" OR "DRAIN" DEPENDING ON APPLICATION.



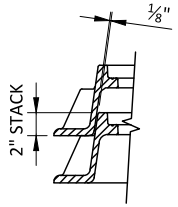
LID SECTION A-A



GASKET GROOVE DETAIL



FRAME SECTION A-A



STACKING DETAIL

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	AMIE ROSHAK	PAUL WILHELM	WRB	12/20/2023

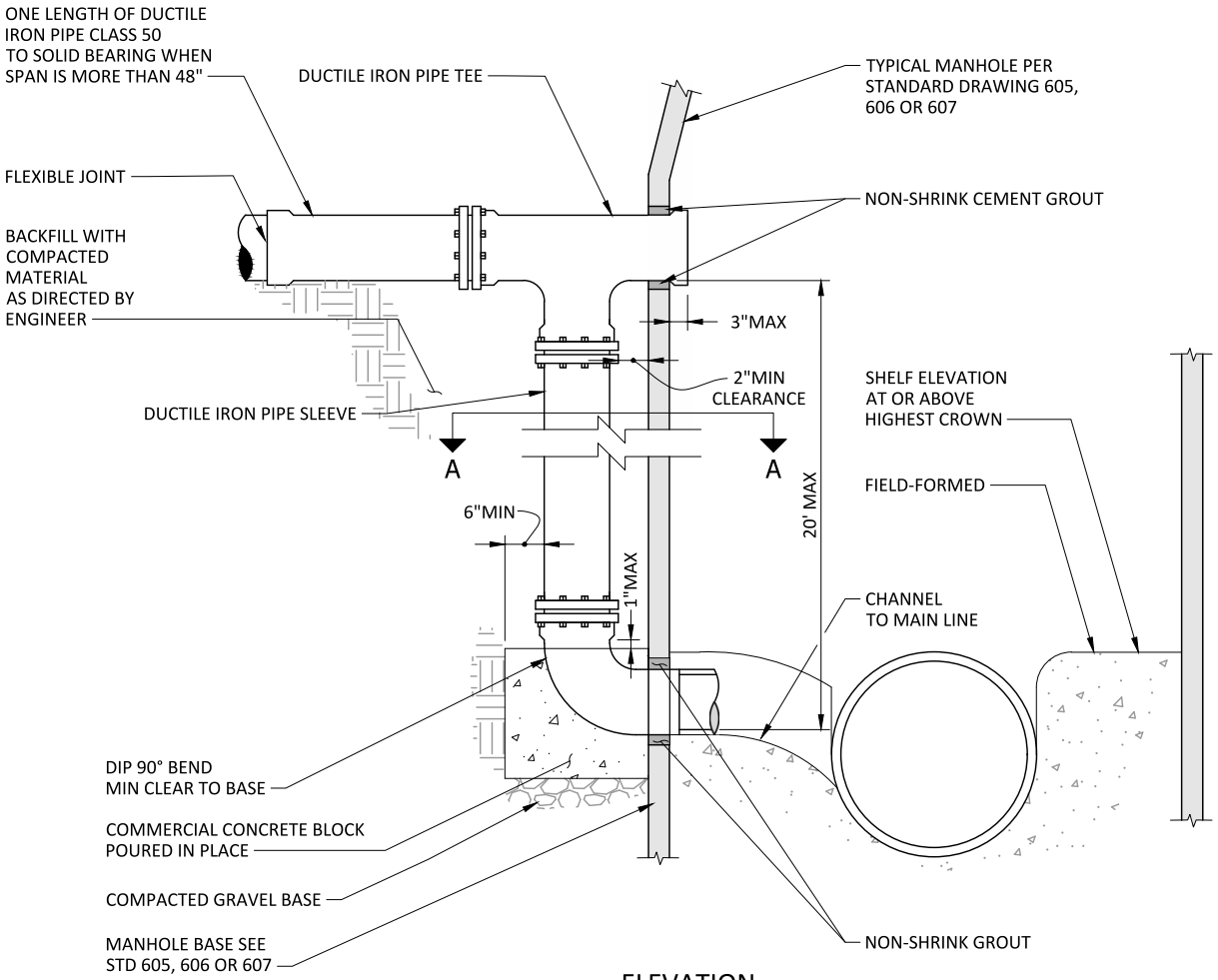
TITLE

STANDARD MANHOLE FRAME & COVER

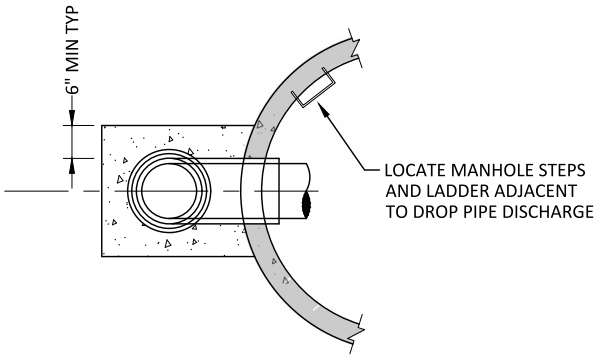
STANDARD DRAWING No.

611

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD611.DWG
1/2/2024 12:57 PM



ELEVATION



SECTION A-A

WSDOT STD PLAN B-85.50.00 ACCEPTABLE SUBSTITUTE

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

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

TITLE

OUTSIDE DROP MANHOLE CONNECTION

DUCTILE IRON PILE

STANDARD DRAWING No.

612

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD612.DWG
11/21/2022 10:51 AM

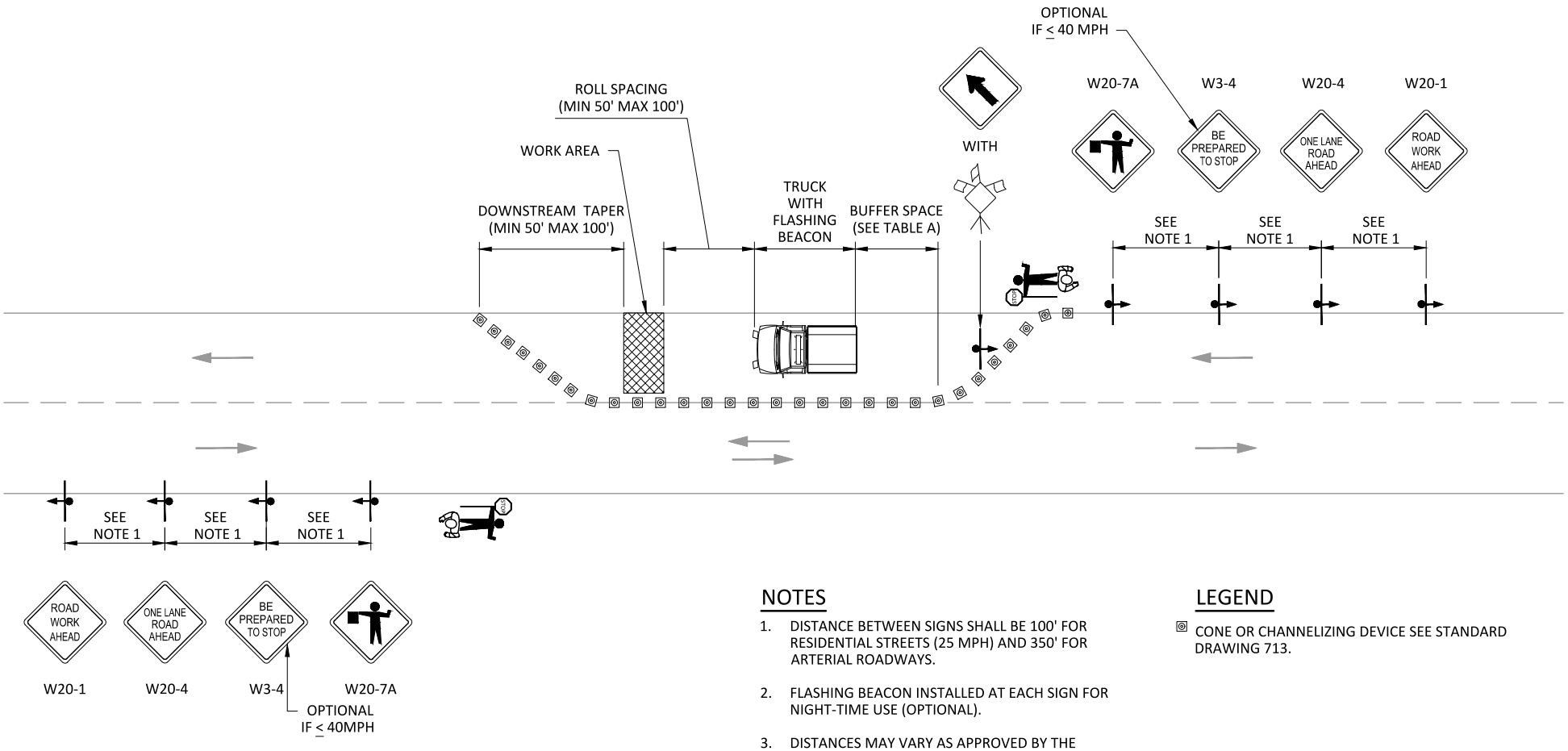


TABLE A			
SPEED (MPH)	CONE SPACING (FT)		BUFFER SPACING (FT)
	TANGENT	TAPER	
25	25	20	55
30	30		85
35	35		120
40	40		170
45	45		220

NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS.
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
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.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

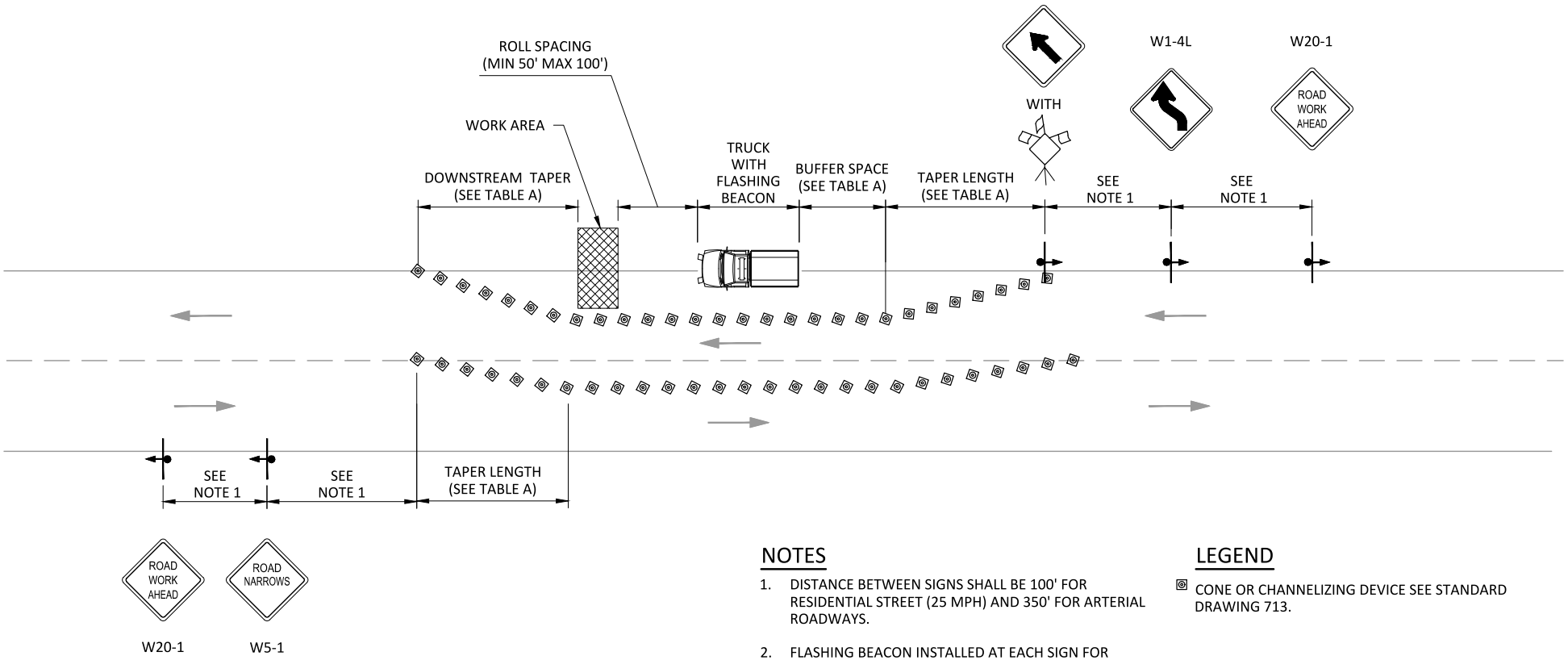
TITLE

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

STANDARD DRAWING No.

701

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD701.DWG



NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREET (25 MPH) AND 350' FOR ARTERIAL ROADWAYS.
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED TO CONTROL TRAFFIC WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
5. FOR ALTERNATE LANE SHIFT WIDTH REFER TO "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) TABLE 6C-2 PAGE 6C-10.
6. SIGN SIZE PER MUTCD.
7. THIS PLAN IS PROVIDED AS A GUIDE ONLY. FOR SPECIFIC INFORMATION ON THE TRAFFIC CONTROL PLANS SEE CURRENT MUTCD.

LEGEND

▣ CONE OR CHANNELIZING DEVICE SEE STANDARD DRAWING 713.

TABLE A

SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING (FT)		BUFFER SPACING (FT)
	5'	6'	TANGENT	TAPER	
25	26'	31'	25	20	55
30	38'	45'	30		85
35	51'	61'	35		120
40	67'	80'	40		170
45	113'	135'	45		220

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

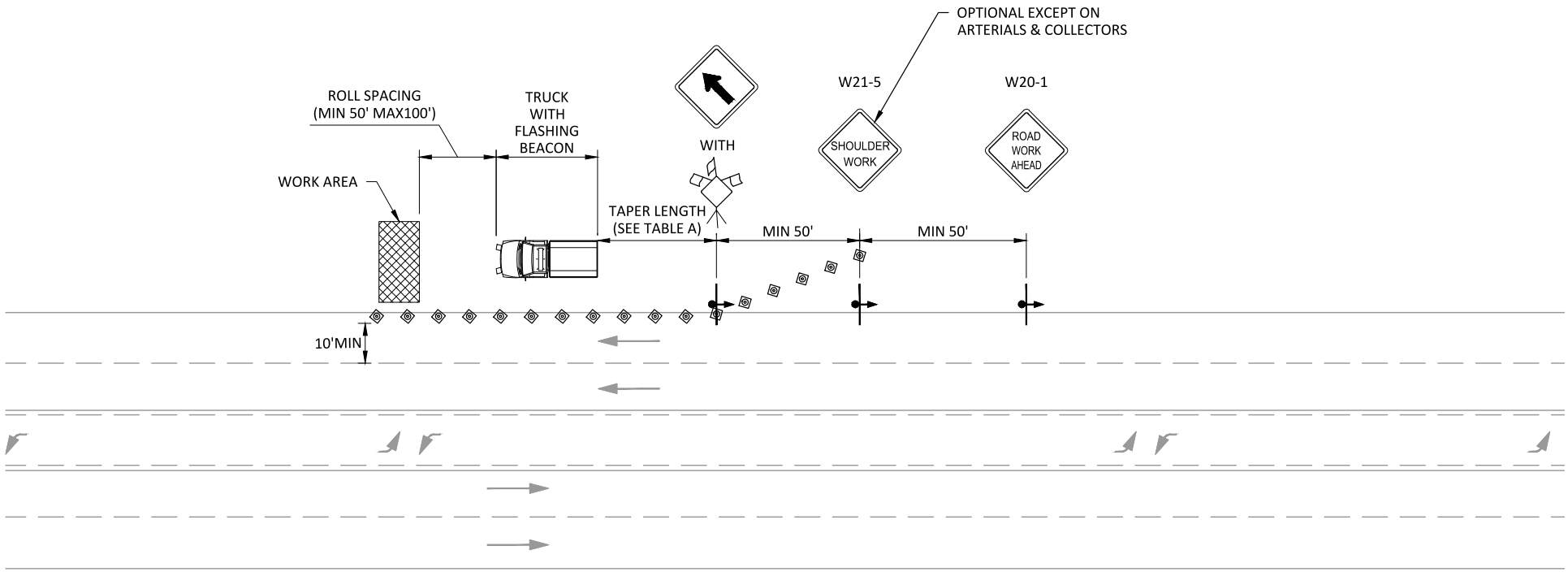
TITLE

TRAFFIC CONTROL 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



NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

TABLE A

SPEED (MPH)	CONE SPACING (FT)		BUFFER SPACING (FT)
	TANGENT	TAPER	
25	25	20	55
30	30		85
35	35		120
40	40		170
45	45		220

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

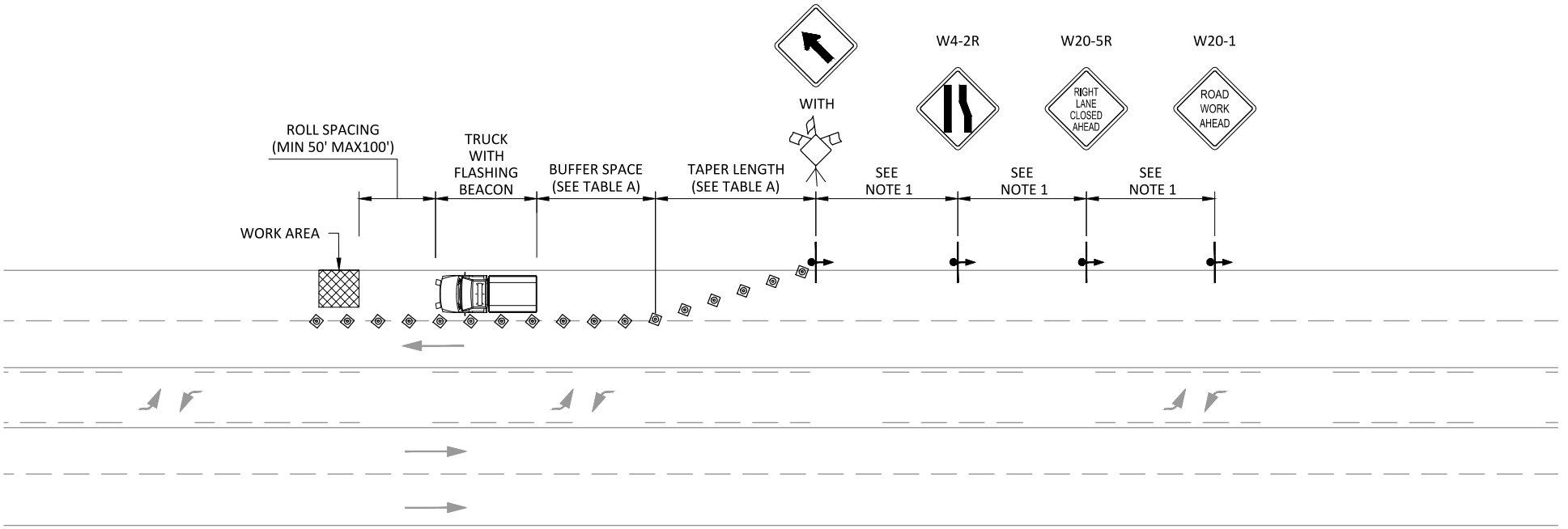
TITLE

TRAFFIC CONTROL PLAN
SHOULDER WORK

STANDARD DRAWING No.

703

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



NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

TABLE A

SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING (FT)		BUFFER SPACING (FT)
	10'	12'	TANGENT	TAPER	
25	105'	125'	25	20	55
30	150'	180'	30		85
35	205'	245'	35		120
40	270'	320'	40		170
45	420'	540'	45		220

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	COREY HERT	PAUL WILHELM	ESH	01/04/2022

TITLE
TRAFFIC CONTROL PLAN
5 LANE ROADWAY
WITH RIGHT LANE CLOSED

STANDARD DRAWING No.
704

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD704.DWG

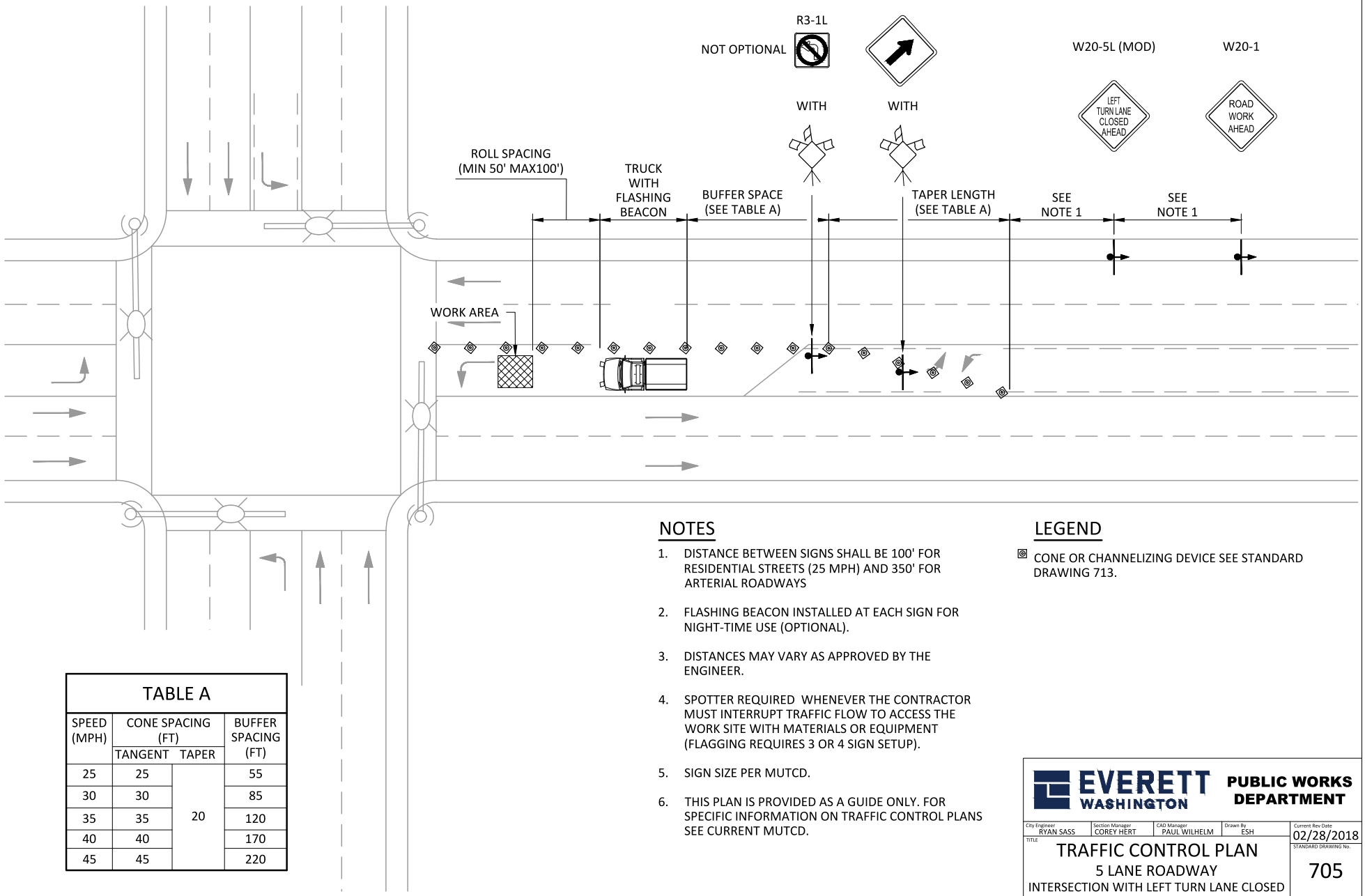


TABLE A			
SPEED (MPH)	CONE SPACING (FT)		BUFFER SPACING (FT)
	TANGENT	TAPER	
25	25	20	55
30	30		85
35	35		120
40	40		170
45	45		220

NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTER REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

TITLE

TRAFFIC CONTROL PLAN
5 LANE ROADWAY
INTERSECTION WITH LEFT TURN LANE CLOSED

STANDARD DRAWING No.

705

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD705.DWG

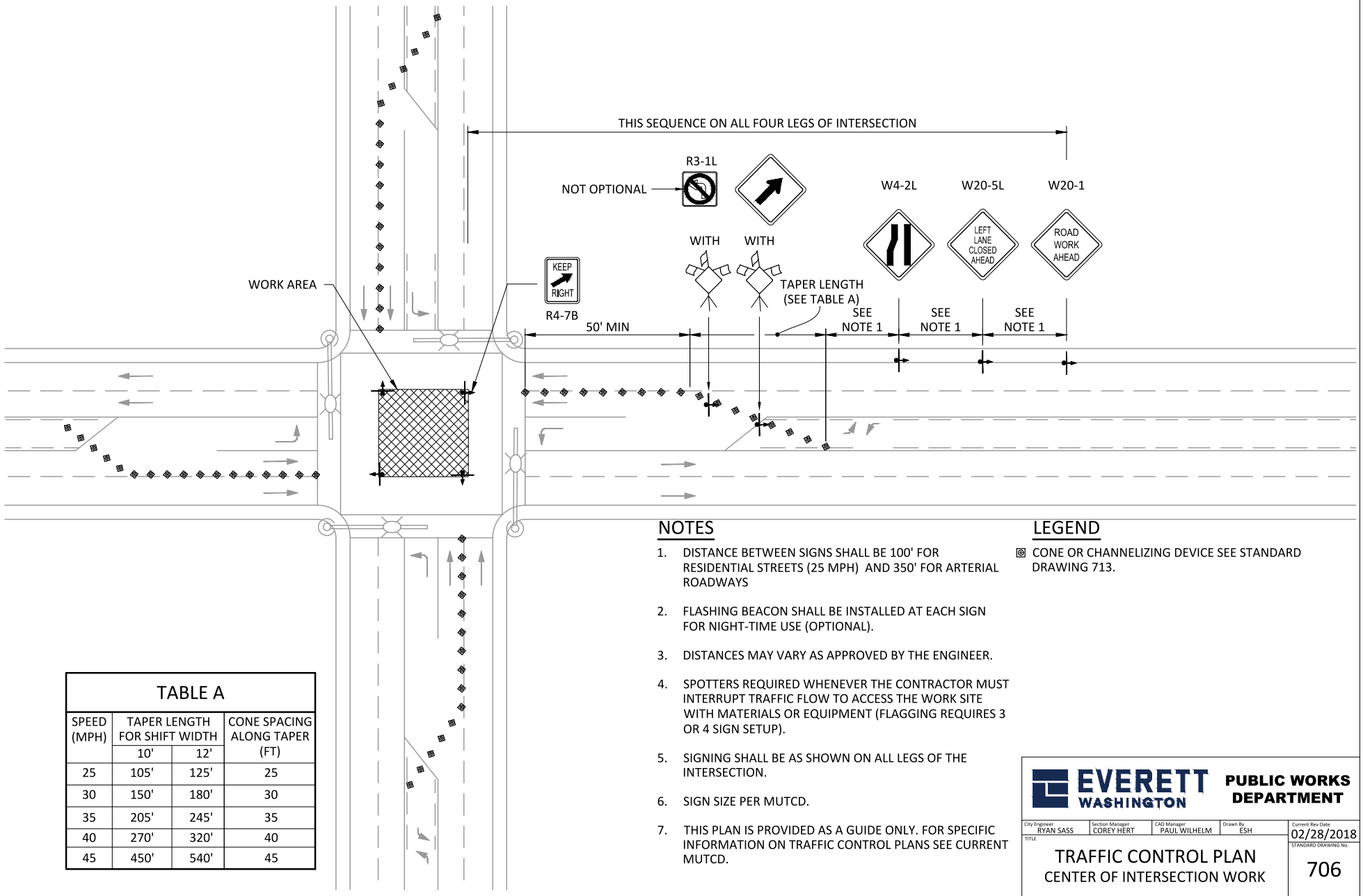


TABLE A			
SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING ALONG TAPER (FT)
	10'	12'	
25	105'	125'	25
30	150'	180'	30
35	205'	245'	35
40	270'	320'	40
45	450'	540'	45

NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON SHALL BE INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
5. SIGNING SHALL BE AS SHOWN ON ALL LEGS OF THE INTERSECTION.
6. SIGN SIZE PER MUTCD.
7. 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.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

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

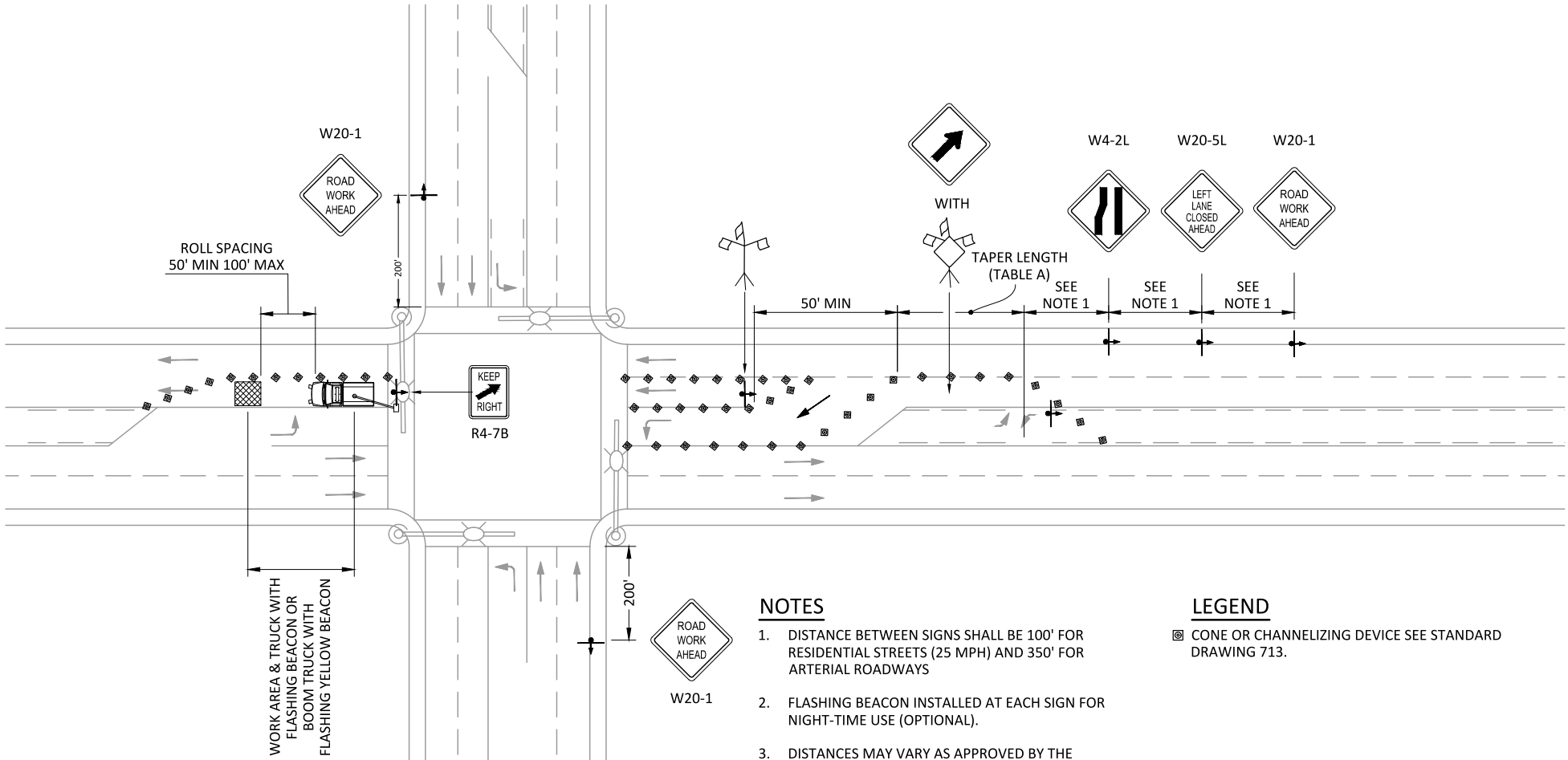


TABLE A			
SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING ALONG TAPER (FT)
	10'	12'	
25	105'	125'	25
30	150'	180'	30
35	205'	245'	35
40	270'	320'	40
45	450'	540'	45

NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

TITLE

TRAFFIC CONTROL PLAN

5 LANE ROADWAY WITH LEFT LANE CLOSURE FAR SIDE OF INTERSECTION

STANDARD DRAWING No.

707

Filename
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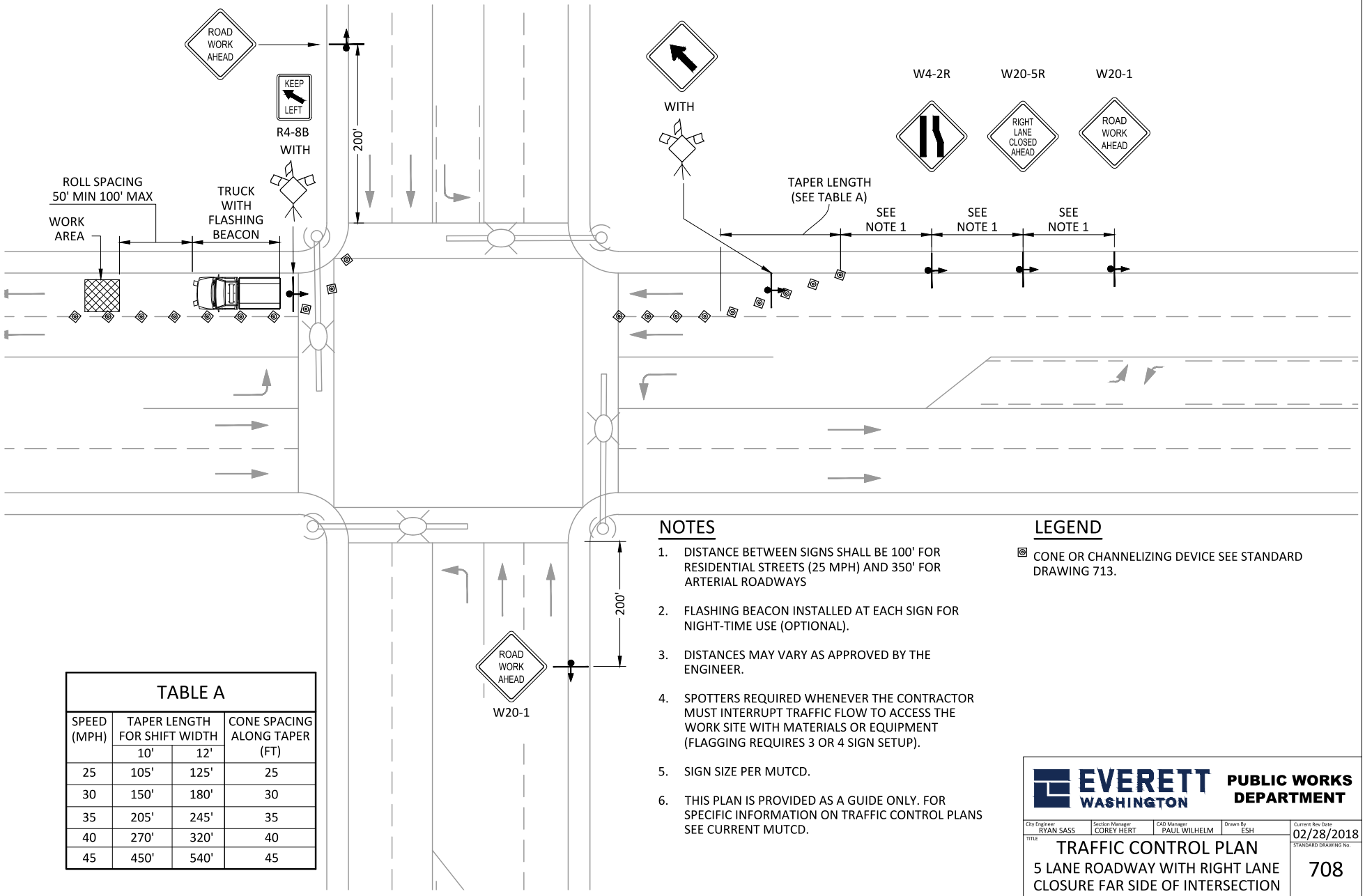

TABLE A			
SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING ALONG TAPER (FT)
	10'	12'	
25	105'	125'	25
30	150'	180'	30
35	205'	245'	35
40	270'	320'	40
45	450'	540'	45

NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

TITLE

TRAFFIC CONTROL PLAN

5 LANE ROADWAY WITH RIGHT LANE CLOSURE FAR SIDE OF INTERSECTION

STANDARD DRAWING No.

708

Filename
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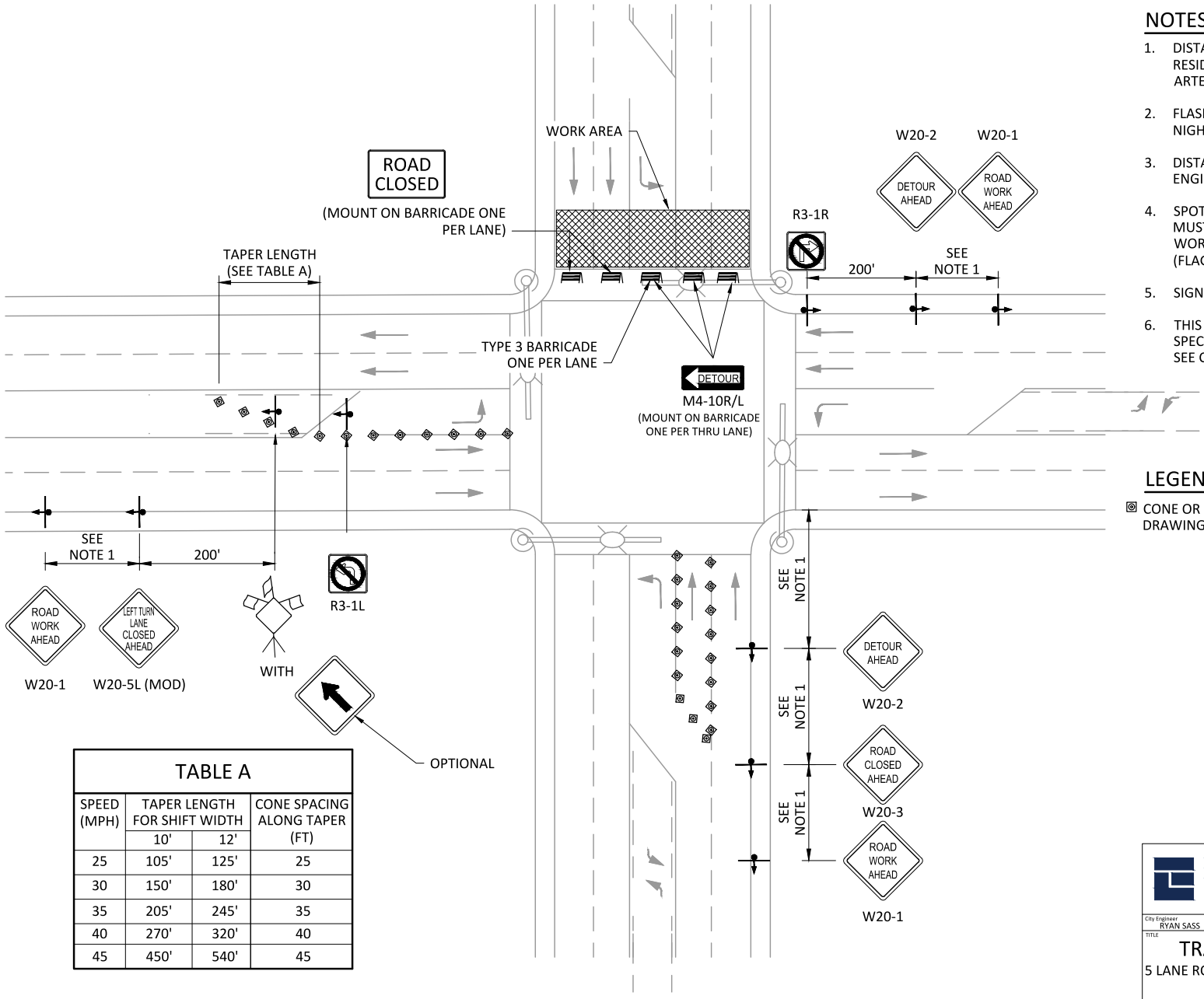


NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

TABLE A			
SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING ALONG TAPER (FT)
	10'	12'	
25	105'	125'	25
30	150'	180'	30
35	205'	245'	35
40	270'	320'	40
45	450'	540'	45

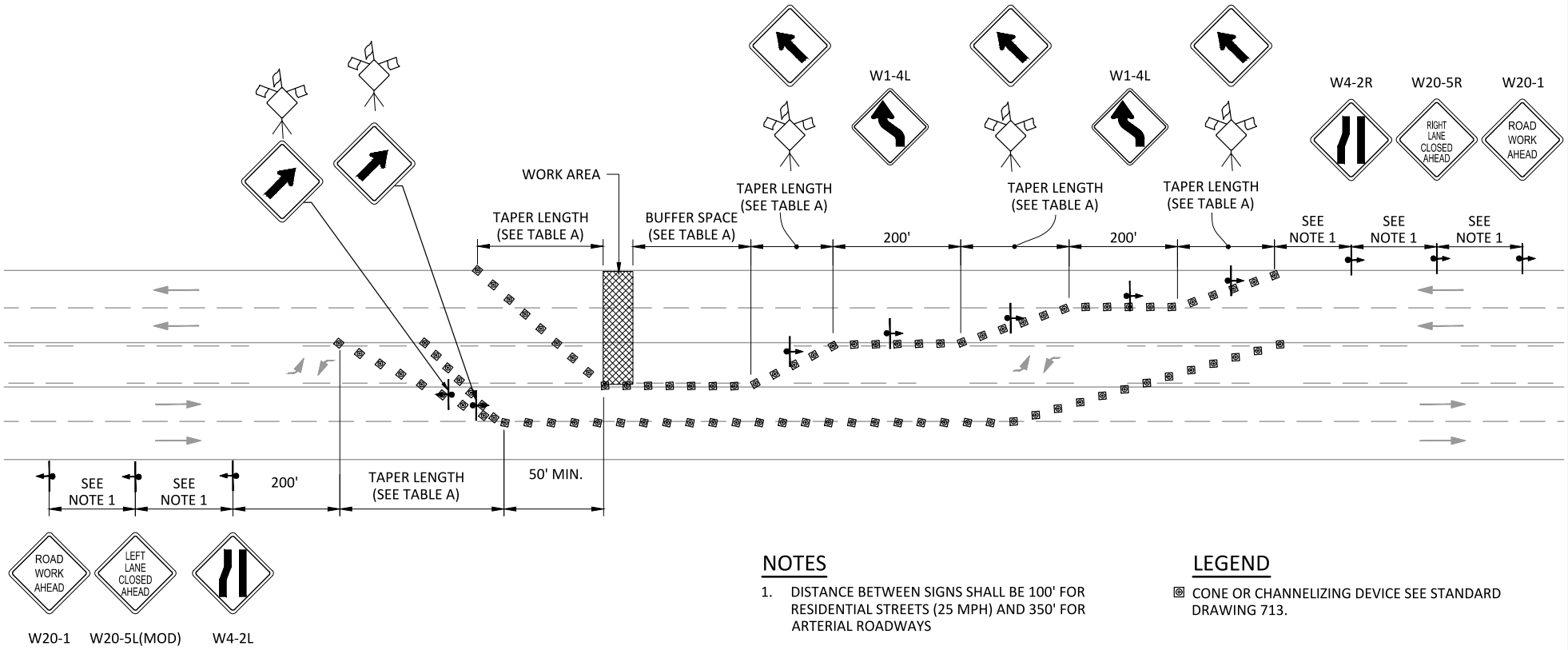
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

TITLE
TRAFFIC CONTROL PLAN
5 LANE ROADWAY WITH FULL STREET CLOSURE FAR SIDE OF INTERSECTION

STANDARD DRAWING No.
709

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD709.DWG



NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

TABLE A			
SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING ALONG TAPER (FT)
	10'	12'	
25	105'	125'	25
30	150'	180'	30
35	205'	245'	35
40	270'	320'	40
45	450'	540'	45

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
TOM HOOD	COREY HERT	PAUL WILHELM	ESH	01/04/2022

TITLE
TRAFFIC CONTROL PLAN
5 LANE ROADWAY
WITH MULTILANE CLOSURE

STANDARD DRAWING No.
710

Filename
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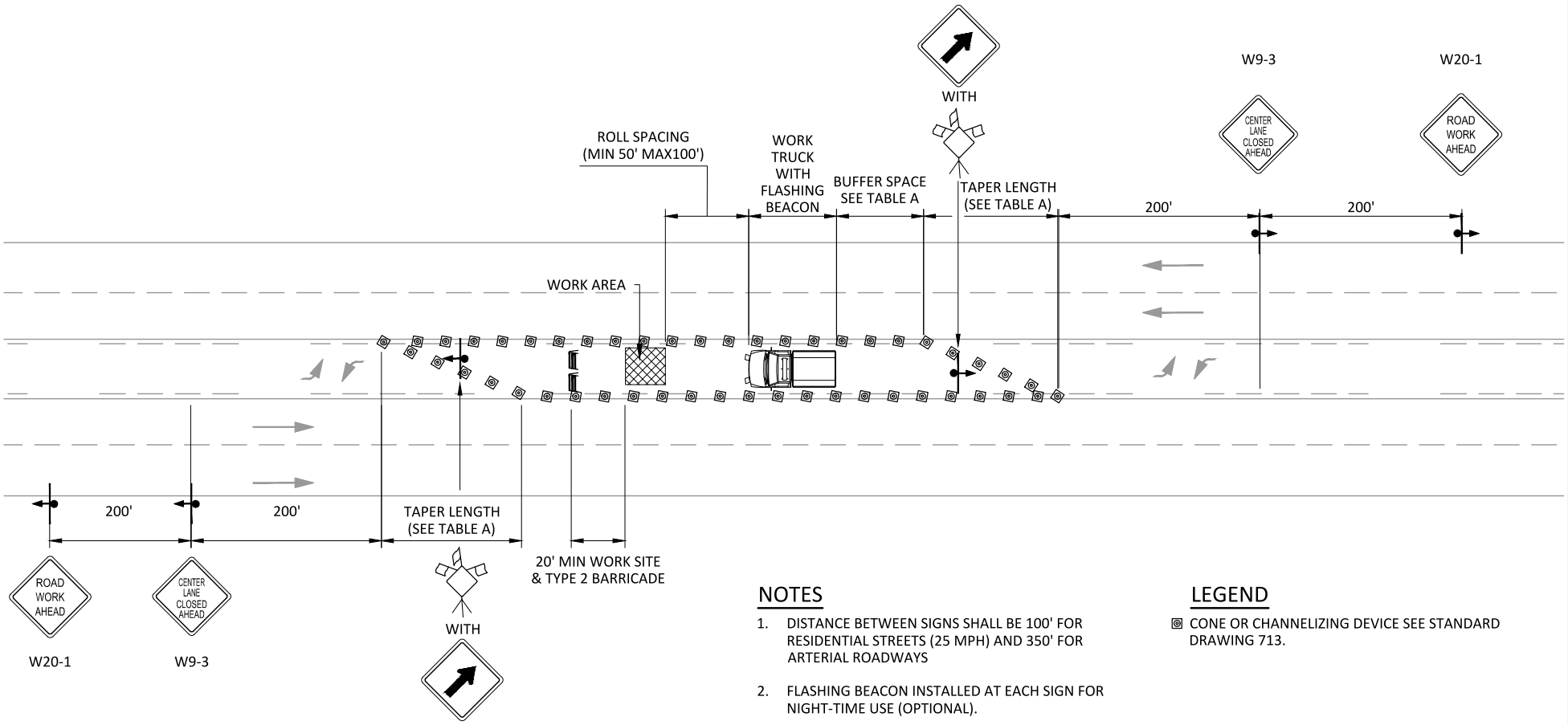


TABLE A			
SPEED (MPH)	CONE SPACING (FT)		BUFFER SPACING (FT)
	TANGENT	TAPER	
25	25	20	55
30	30		85
35	35		120
40	40		170
45	45		220

NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

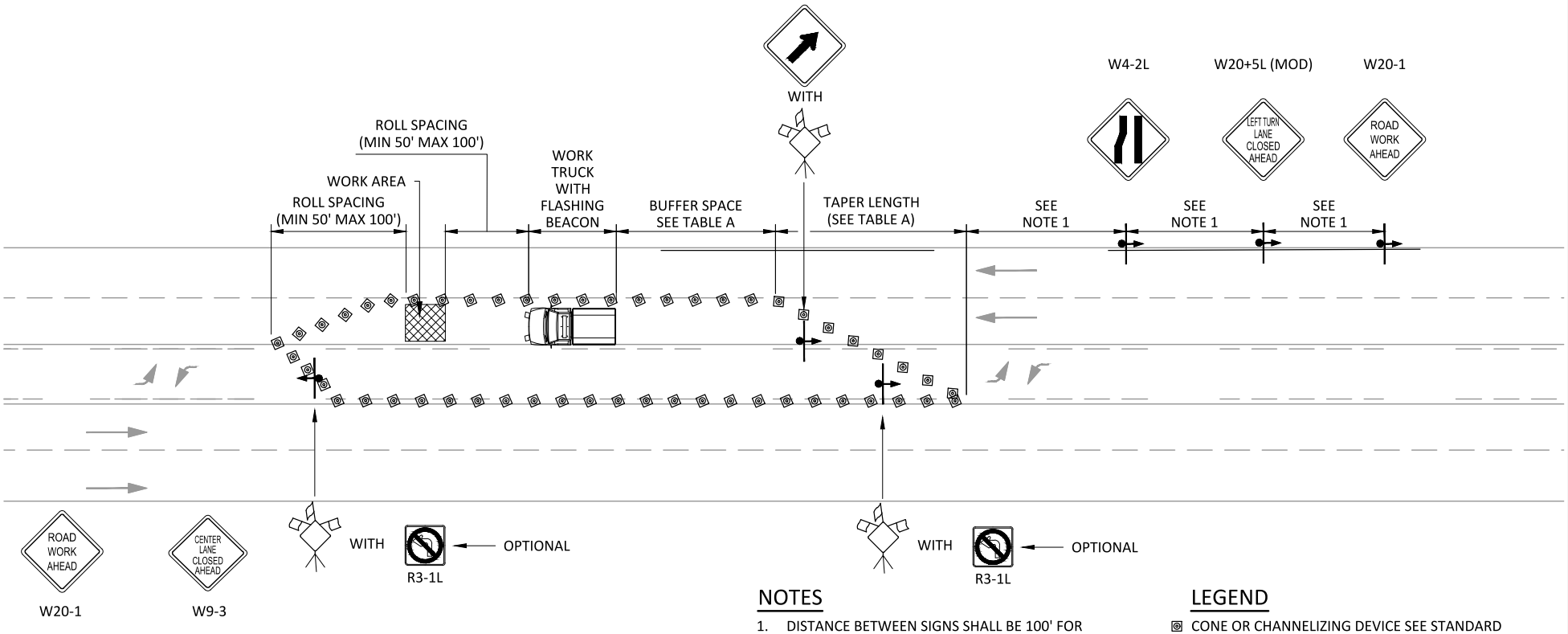
TITLE

TRAFFIC CONTROL PLAN
5 LANE ROADWAY WITH TWO WAY LEFT TURN LANE CLOSURE

STANDARD DRAWING No.

711

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD711.DWG



NOTES

1. DISTANCE BETWEEN SIGNS SHALL BE 100' FOR RESIDENTIAL STREETS (25 MPH) AND 350' FOR ARTERIAL ROADWAYS
2. FLASHING BEACON INSTALLED AT EACH SIGN FOR NIGHT-TIME USE (OPTIONAL).
3. DISTANCES MAY VARY AS APPROVED BY THE ENGINEER.
4. SPOTTERS REQUIRED WHENEVER THE CONTRACTOR MUST INTERRUPT TRAFFIC FLOW TO ACCESS THE WORK SITE WITH MATERIALS OR EQUIPMENT (FLAGGING REQUIRES 3 OR 4 SIGN SETUP).
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.

TABLE A

SPEED (MPH)	TAPER LENGTH FOR SHIFT WIDTH		CONE SPACING (FT)		BUFFER SPACING (FT)
	5'	6'	TANGENT	TAPER	
25	26'	31'	25	20	55
30	38'	45'	30		85
35	51'	61'	35		120
40	67'	80'	40		170
45	113'	135'	45		220

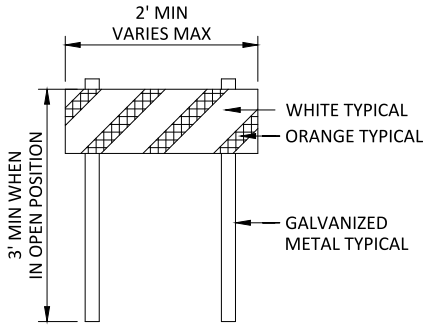
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	02/28/2018

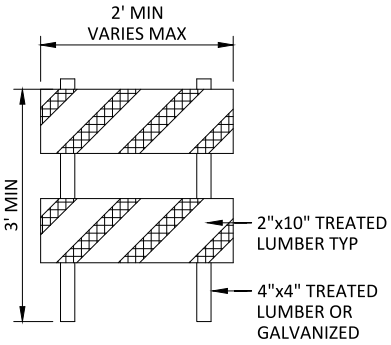
TITLE
TRAFFIC CONTROL PLAN
5 LANE ROADWAY
WITH LEFT LANE CLOSURE

STANDARD DRAWING No.
712

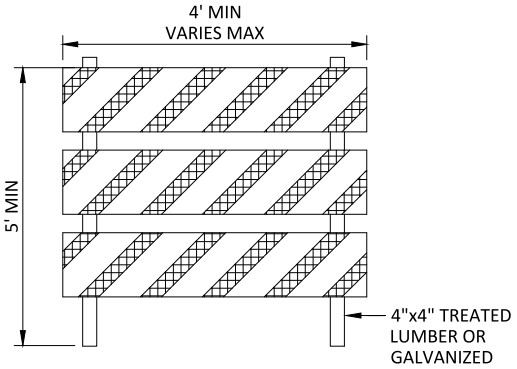
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD712.DWG



TYPE 1 BARRICADE



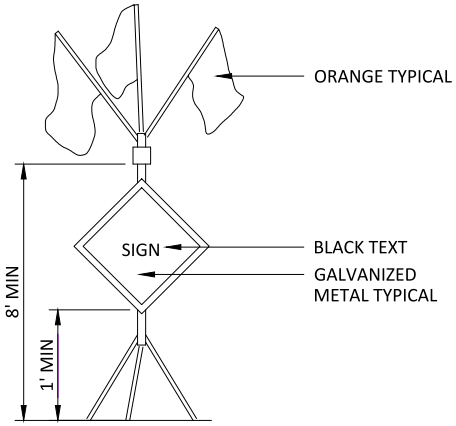
TYPE 2 BARRICADE



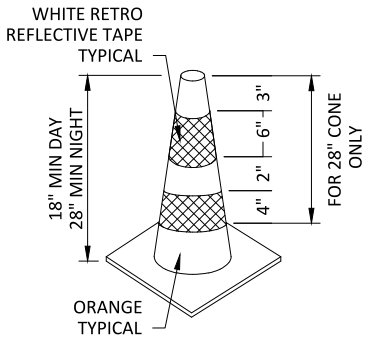
TYPE 3 BARRICADE

NOTES

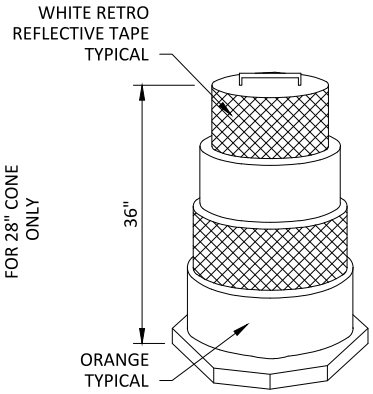
1. THIS PLAN IS PROVIDED AS A GUIDE ONLY. FOR SPECIFIC INFORMATION ON TRAFFIC CONTROL PLANS SEE CURRENT MUTCD.
2. SEE FIGURE 6F-2 OF THE MUTCD FOR OTHER METHODS OF MOUNTING SIGNS OTHER THAN ON POSTS
3. FOR ADDITIONAL INFORMATION REGARDING BARRICADES AND CHANNELIZING DEVICES SEE FIGURE 6F-4 IN MUTCD



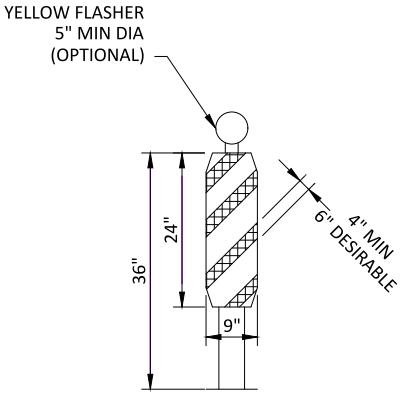
HIGH LEVEL WARNING DEVICE



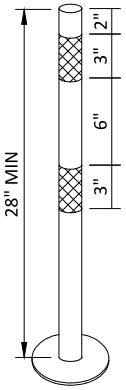
CONE



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

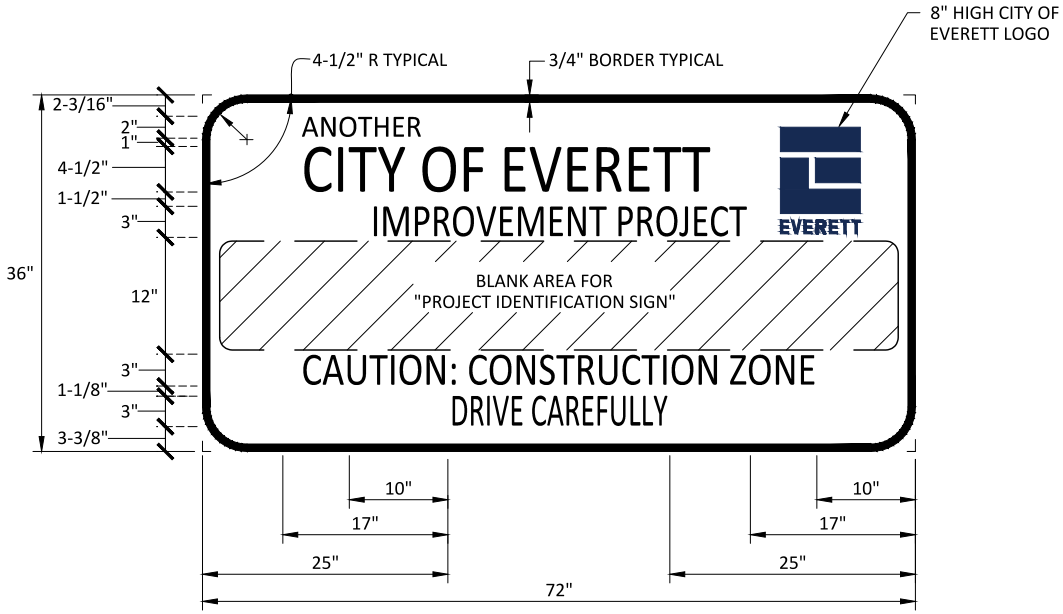
TITLE

TRAFFIC CONTROL DEVICES

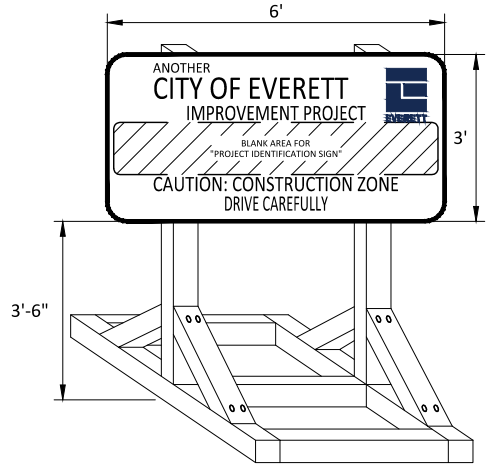
STANDARD DRAWING No.

713

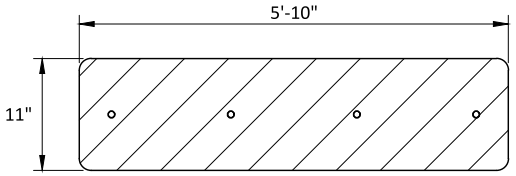
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD713.DWG
PLOTED: 11/21/2022 10:53 AM



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

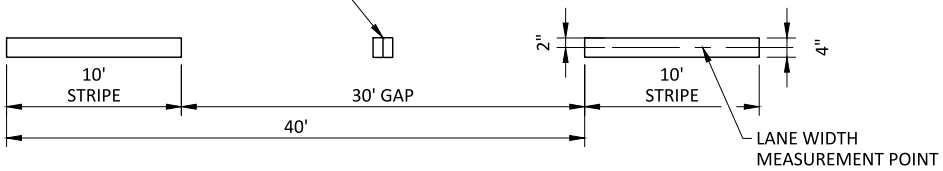
STANDARD DRAWING No. 714

Filename T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD714.DWG
PLOTTED: 6/28/2023 2:35 PM

NOTES

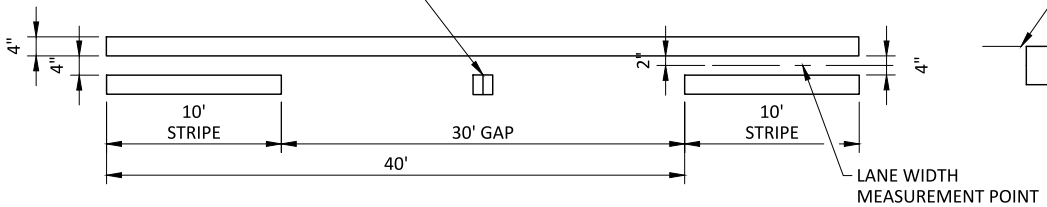
1. REFERENCES SEE STANDARD DRAWING 722
2. MATERIAL THICKNESS SHALL BE PER STANDARD SPECIFICATIONS 8-22.
3. UNLESS CALLED FOR IN THE PLANS, RAISED PAVEMENT MARKERS SHALL ONLY BE INSTALLED ON ARTERIAL STREETS.

TYPE 2W
(WHITE, ONE SIDE, ARTERIAL STREETS ONLY)

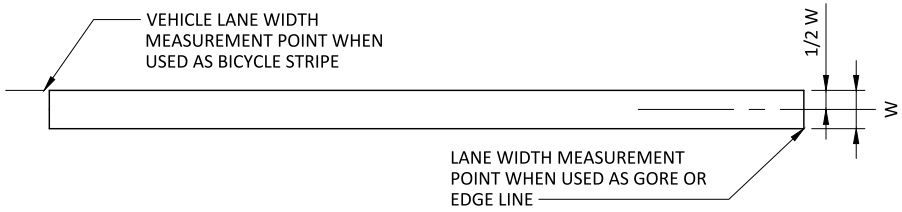


LANE LINE (WHITE)

TYPE 2YY
(YELLOW, BOTH SIDES, ARTERIAL STREETS ONLY)



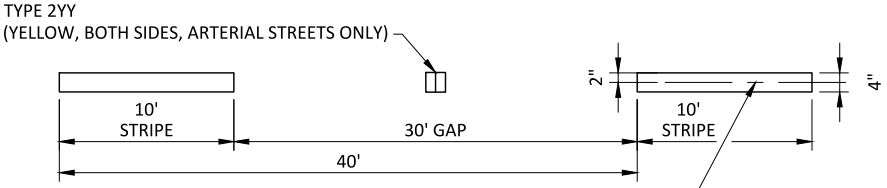
TWO WAY LEFT TURN LANE LINE (YELLOW)



GORE, X=8"; EDGE, W=4"; BICYCLE, W= 8"

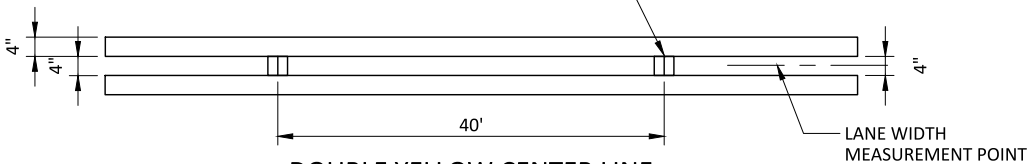
WIDE, EDGE AND BICYCLE LINE (WHITE)

TYPE 2YY
(YELLOW, BOTH SIDES, ARTERIAL STREETS ONLY)



SKIP CENTER LINE (YELLOW)

TYPE 2YY
(YELLOW, BOTH SIDES, ARTERIAL STREETS ONLY)



DOUBLE YELLOW CENTER LINE

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

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

TITLE: ROADWAY STRIPING DETAILS

STANDARD DRAWING No.: 720

Filename
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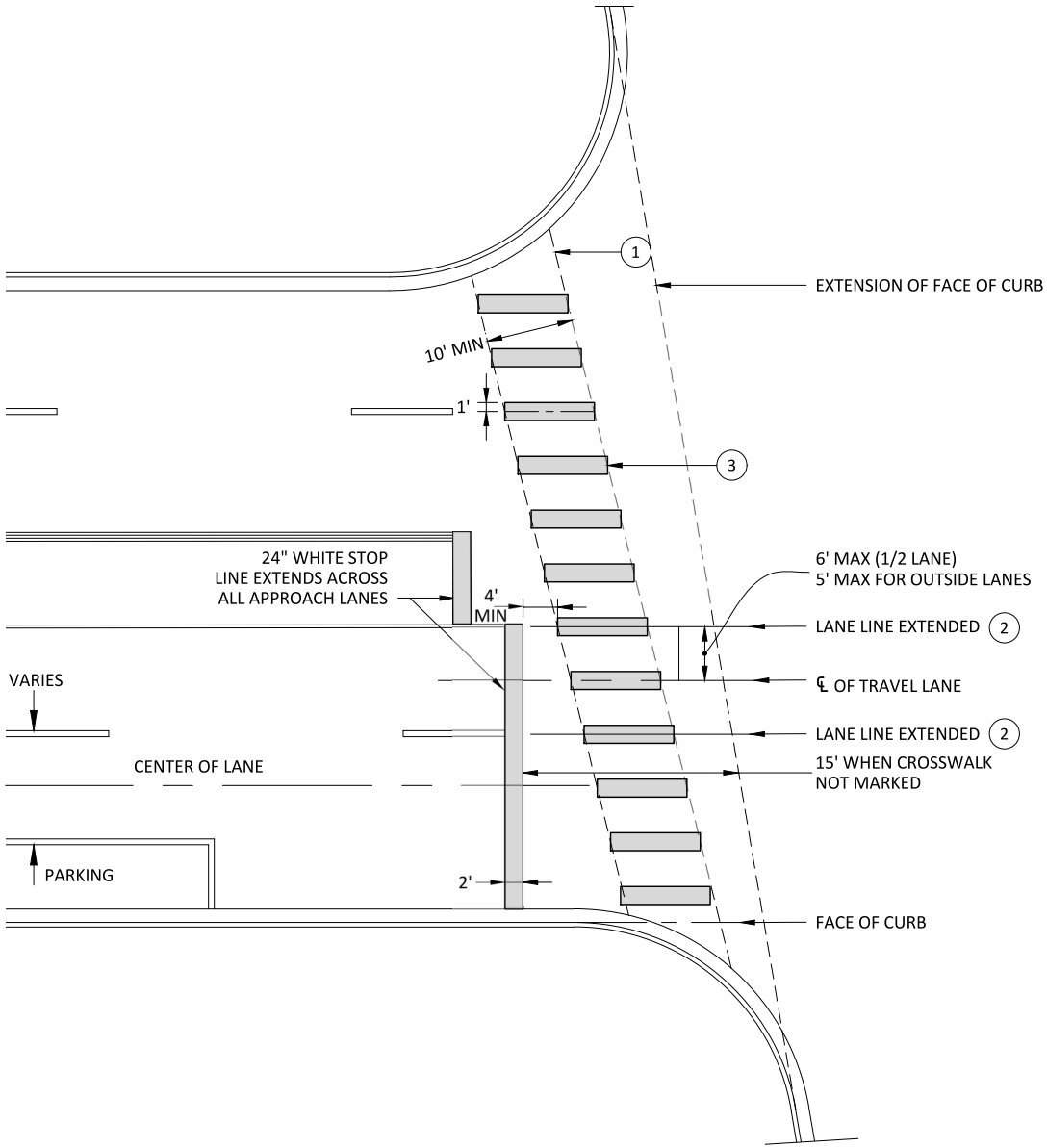
PLOTTED: 11/21/2022 10:54 AM



NOTES

1. LEADING EDGE OF CROSSWALK BARS SHALL BE EVEN WITH A LINE BETWEEN THE MIDPOINTS OF ASSOCIATED CURB RETURNS, OR AS LOCATED BY FIELD ENGINEER. LOCATION MAY BE ADJUSTED TO ASSURE CURB RAMPS, IF PRESENT, ACCESS THE CROSSWALK.
2. FOR LANE WIDTHS OF 12' AND LESS CENTER LEADING EDGE OF BARS ON MIDPOINT OF LANE LINE EXTENDED.
3. FOR LANE WIDTHS GREATER THAN 12' SPACE BARS EVENLY BETWEEN LANE LINES WITH A MAXIMUM SPACE BETWEEN STRIPES OF 4'.
4. 2' WIDE X 10' LONG CROSSWALK BARS PARALLEL TO DIRECTION OF VEHICLE TRAVEL.
5. REFERENCES SEE STANDARD DRAWING 722.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	03/30/2017

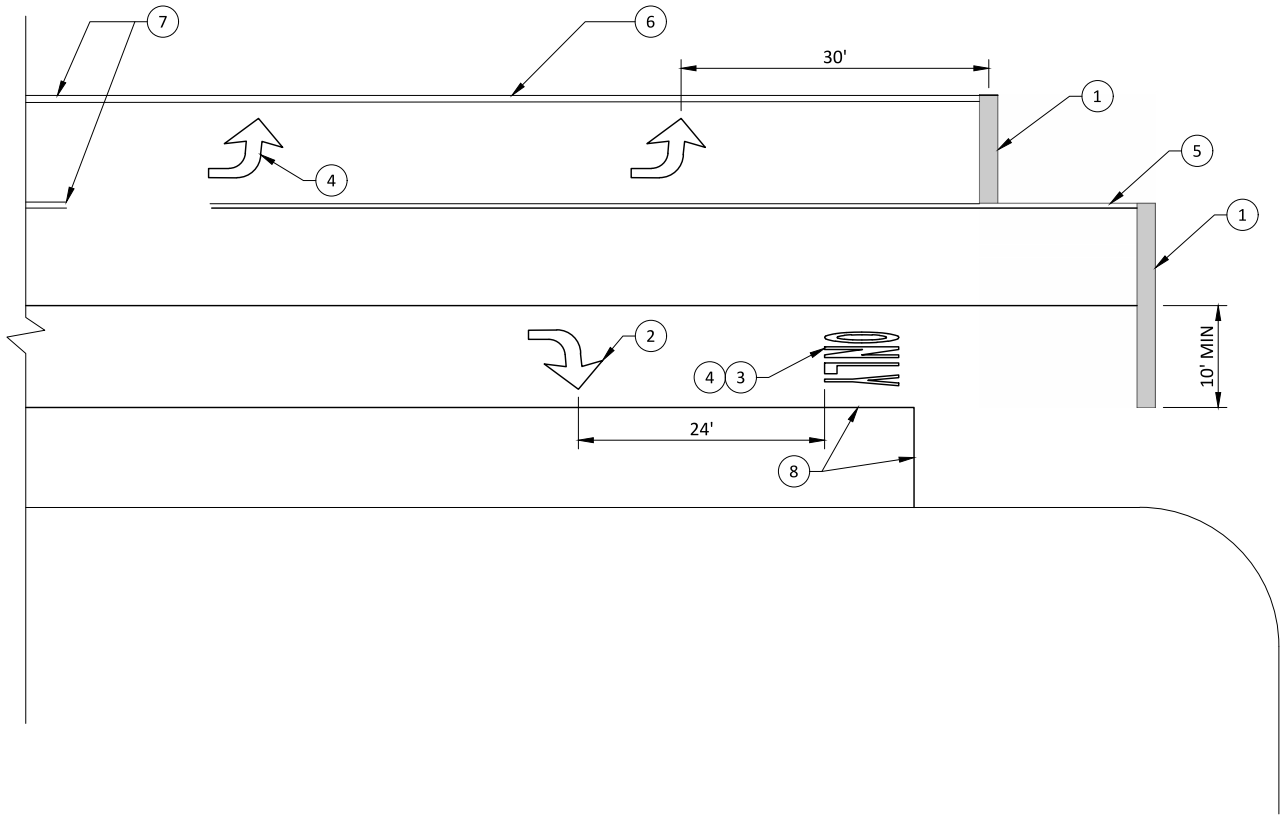
TITLE

TYPICAL STOP LINE AND CROSSWALK LAYOUT

STANDARD DRAWING No.

721

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD721.DWG
PLOTTED: 11/21/2022 10:54 AM



NOTES

1. STOP LINE AS REQUIRED BY ENGINEER, SEE CONSTRUCTION PLANS.
2. PAVEMENT MARKINGS (SYMBOLS, ETC) PER WSDOT/APWA STANDARD PLAN M24.40-02.
3. SIZE OF LEGENDS SUCH AS "ONLY", "SCHOOL", "STOP", ETC SHALL BE PER THE CURRENT MUTCD 3B, 7C. ONLY TO BE USED SPECIFICALLY FOR DROP LANES.
4. INTERMEDIATE PAVEMENT MARKINGS AND LEGENDS AS REQUIRED BY ENGINEER SEE PLANS.
5. 8" WHITE WIDE LINE, LENGTH PER CONSTRUCTION PLAN.
6. DOUBLE YELLOW CENTER STRIPE.
7. TWO WAY LEFT TURN STRIPE.
8. 4" WHITE PARKING STRIPE.

REFERENCES

A. WSDOT STANDARD SPECIFICATIONS SECTIONS 8-22, 9-34 AND AMENDMENTS.

B. MUTCD PART 2, 3 AND 9C.

C. WSDOT/APWA STANDARD PLANS SECTION "M" ROADWAY DELINEATION.

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

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

TITLE

TURN POCKET DETAIL

STANDARD DRAWING No.

722

Filename
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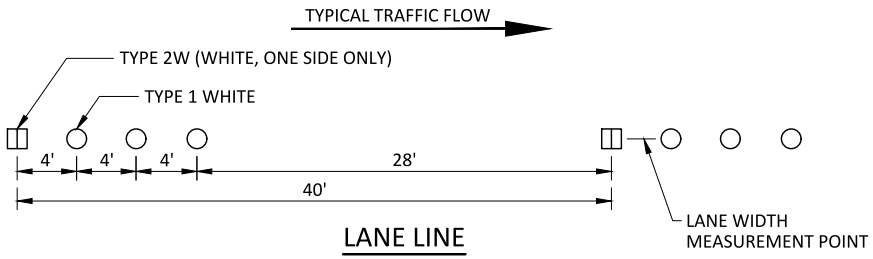
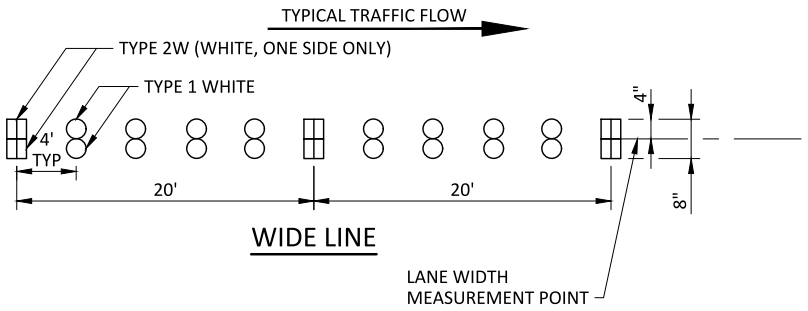
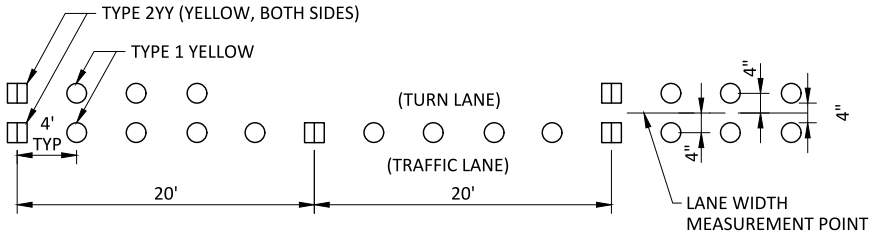
PLOTTED: 11/21/2022 10:54 AM



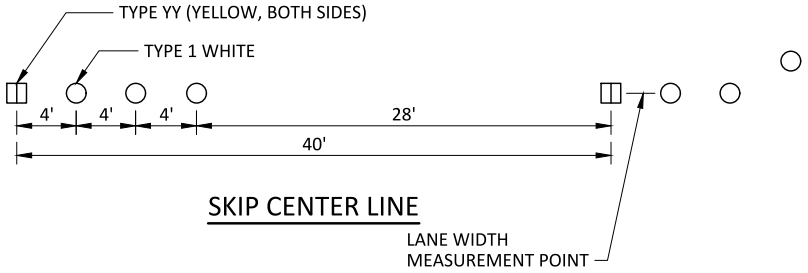
LANE LINE



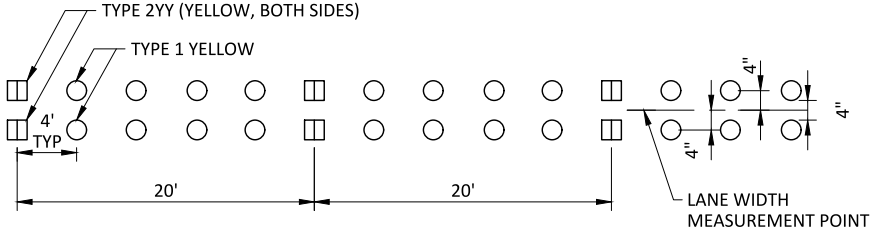
WIDE LINE



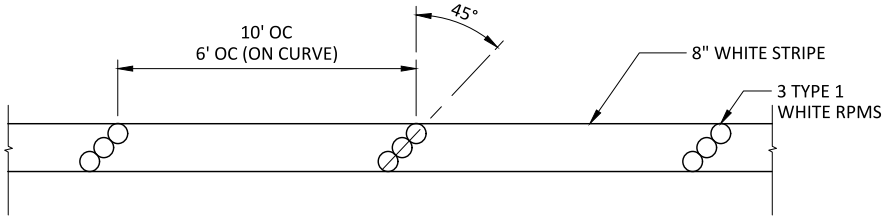
TWO WAY LEFT TURN LANE LINE



SKIP CENTER LINE



DOUBLE YELLOW CENTER LINE



ISLAND CHEVRON

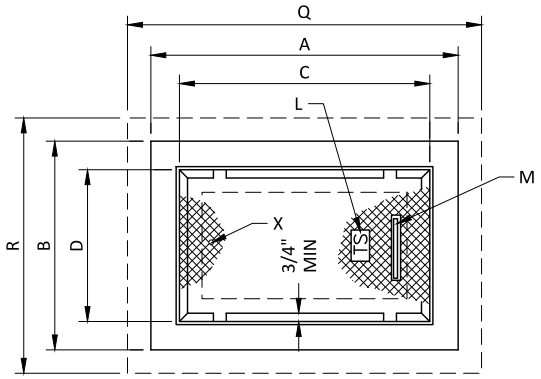
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD725.DWG
PLOTTED: 11/21/2022 10:54 AM

EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

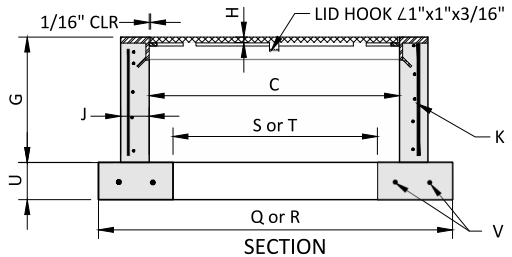
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	01/23/2017

TITLE
RAISED PAVEMENT MARKERS (RPM) LANE DETAILS

STANDARD DRAWING No.
725

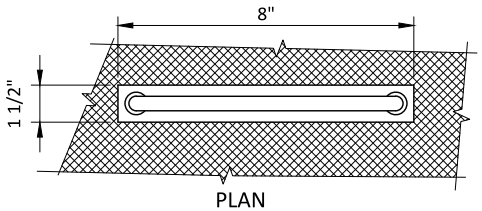


PLAN

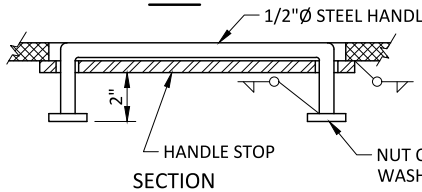


SECTION

JUNCTION BOX



PLAN

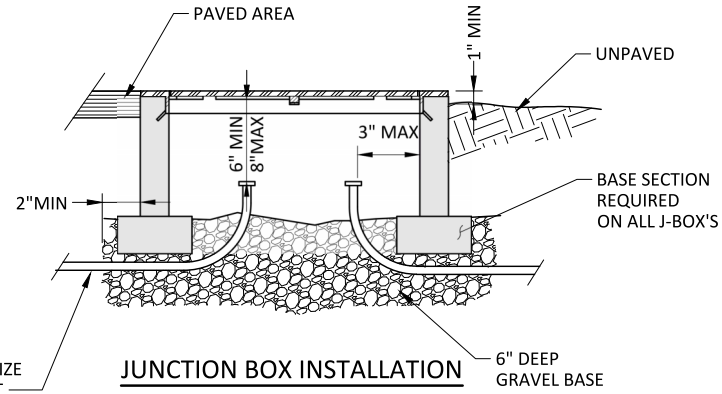


SECTION

LID HANDLE

JUNCTION BOX DIMENSIONS

DIM.	ITEM	BOX TYPE		
		TYPE 1	TYPE 2	TYPE 8
A	BOX OUTSIDE LENGTH	22"	33"	42"
B	BOX OUTSIDE WIDTH	17"	22 1/2"	30"
C	BOX INSIDE LENGTH	18"	28"	36"
D	BOX INSIDE WIDTH	13"	17"	24"
E	LID LENGTH	17 7/8"	26 3/8"	37 7/8"
F	LID WIDTH	12 7/8"	16 7/8"	25 7/8"
G	BOX DEPTH	12"	12"	12"
H	LID THICKNESS	5/16"	5/16"	1/2"
J	WALL THICKNESS	1 1/2"	1 1/2"	3"
K	BOX OR EXTEN WALL WIRE REINF	W-3	W-2.5	W-5
L	LEGEND	1"x1" LTRS	1"x1" LTRS	1"x1" LTRS
M	HANDLE	N/A	N/A	ONE
Q	FOUNDATION OUTSIDE LENGTH	24-1/2"	35-1/2"	48"
R	FOUNDATION OUTSIDE WIDTH	19-1/2"	25"	36"
S	FOUNDATION INSIDE LENGTH	16-1/2"	27-1/2"	36"
T	FOUNDATION INSIDE WIDTH	11-1/2"	17-1/2"	20"
U	FOUNDATION DEPTH	3"	3"	3"
V	FOUNDATION REINF.	N/A	N/A	2-W-5
W	BOX EXTENSION DEPTH	N/A	N/A	12"
X	FINGER HOLE #/DIA	2 @ 5/16"	2 @ 5/8"	1 @ 5/8"
	CAPACITY CONDUIT INCH Ø'S	6	12	24



JUNCTION BOX INSTALLATION

NOTES:

1. ALL DIMENSIONS ARE MINIMUM. EXACT CONFIGURATIONS VARY AMONG DIFFERENT MANUFACTURERS.
2. THE NOTED LID THICKNESSES ARE OVERALL MINIMUMS. NON-SKID LID SHALL BE HOT DIP GALVANIZED IN ACCORDANCE W/ ASTM A 123. AN APPROVED SURFACE PLATE IS STEEL "SLIPNOT GRADE 3 - COARSE" BY "W.S. MOLNAR CO".
3. LID SUPPORT MEMBERS SHALL BE WELDED TO FRAME.
4. 4000 PSI CONCRETE IS ALLOWED IF BOX REINFORCEMENT CONSISTS OF 6x6 - W3xW3 WELDED WIRE FABRIC WELDED TO THE FRAME.
5. WHEN NOTED IN THE CONTRACT TYPE 2 AND TYPE 8 BOXES SHALL BE PROVIDED WITH 12" DEEP EXTENSION BOXES.
6. WHEN NOTED IN THE CONTRACT TYPE 2 BOXES SHALL BE PROVIDED WITH A 10"x27 1/2" 10 GAGE DIVIDER PLATE COMPLETE WITH FASTENERS.
7. NON CONCRETE BOXES MAY BE SUBMITTED FOR APPROVAL EVALUATION WILL INCLUDE AN H-20 LOAD TEST.
8. ALL BOXES WILL BE WSDOT APPROVED AND CERTIFIED.
9. LEGEND FOR TRAFFIC SIGNAL SYSTEM BOXES WILL BE "TS", AND "LT" FOR ILLUMINATION SYSTEMS. LEGEND LETTERS WILL BE FORMED WITH 1/8" WELD BEAD.

JUNCTION BOX MATERIALS

ITEM	MATERIAL
BOX	6000 PSI CONC
FRAME	FLAT OR DIA- MOND GALV STEEL A786
LID SUPPORT	1/8"MIN GALV STEEL C,L OR T, -A36
LID	NON-SKID PLATE STEEL (GALV)
ANCHORS	STEEL WIRE OR TEE PLATE
REINF	ASTM A-82 STEEL
HANDLE	GALV STEEL
FOUNDATION	3000 PSI CONC

EVERETT WASHINGTON

PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	LAK	01/17/2017

TITLE

TRAFFIC JUNCTION BOX DETAILS

STANDARD DRAWING No.

808

Filename
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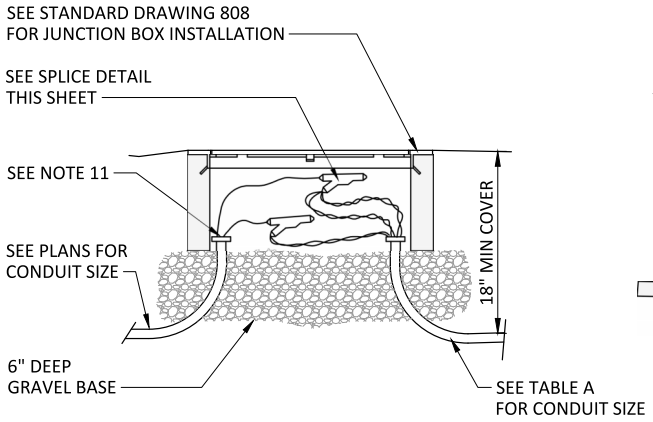
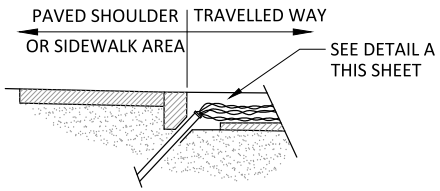
PLOTTED: 11/21/2022 10:55 AM



JUNCTION BOX



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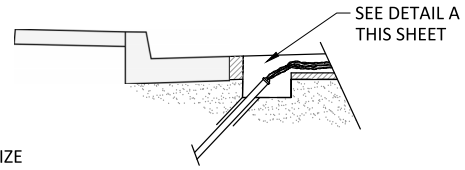


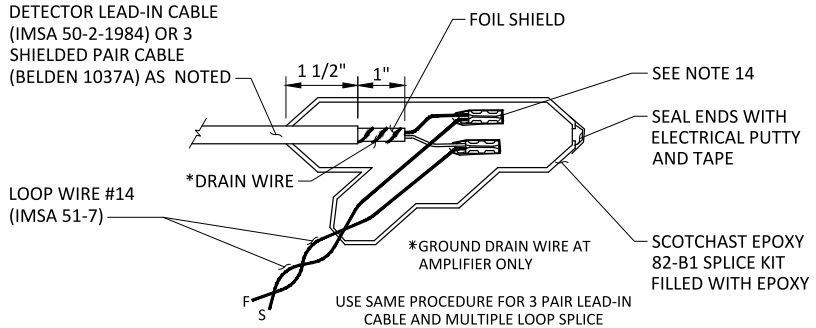
GURB & GUTTER

TYPICAL CONDUIT PLACEMENT FOR LOOP LEAD-IN WIRES

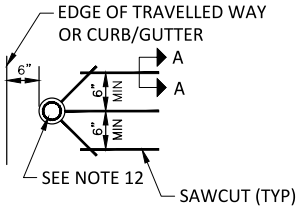
LOOP LEAD PAIRS	1-2	3	4-5	6-8	9-12
CONDUIT SIZE (MIN)	2"	2"	2"	(2) 2"	(2) 2"
TRENCH WIDTH (MIN)	4"	4"	4"	6"	6"

NOTE: ALL STOP BAR LOCATIONS SHALL HAVE (2) 2" CONDUIT SIZE MINIMUM

TABLE A



SPLICE DETAIL



DETAIL A

GENERAL NOTES FOR LOOP INSTALLATION:

1. INSTALL JUNCTION BOX AND LEAD-IN CONDUIT.
2. SAW LOOP SLOTS AND LEAD-IN SLOTS.
3. LAY OUT LOOP WIRE BEGINNING AT JUNCTION BOX, ALLOWING 5' MINIMUM SLACK.
4. INSTALL WIRE IN LOOP SLOT. SEE LOOP WINDING DETAIL.
5. RETURN TO JUNCTION BOX AND IDENTIFY LEADS WITH PLAN DETECTOR NUMBER AND "S" FOR START AND "F" FOR FINISH.
6. TWIST EACH PAIR OF LEAD-IN WIRES TWO TURNS PER FOOT FROM LOOP TO JUNCTION BOX AND INSTALL IN LEAD-IN SLOT AND CONDUIT. REVERSE DIRECTION OF TWIST FOR EACH SUCCESSIVE PAIR INSTALLED.
7. CONSTRUCT SUPPLEMENTAL SPLICE CONTAINING ANY SERIES OR PARALLEL LOOP CONNECTIONS REQUIRED IN PLANS. SUPPLEMENTAL SPLICES ARE SUBJECT TO THE SAME REQUIREMENTS SHOWN FOR THE LOOP LEAD AND SHIELDED CABLE SPLICE. IF APPROVED BY ENGINEER SCOTCHLOK 3570 EPOXY KIT SEALING PACKS MAY BE SUBSTITUTED FOR THE SCOTCHCAST 82-B1 FOR SUPPLEMENTAL SPLICES.
8. SPLICE LOOP LEADS OR SUPPLEMENTAL SPLICE LEADS TO SHIELDED CABLE AS NOTED.
9. COMPLETE INSTALLATION AND TEST LOOP CIRCUITS OR COMBINATION LOOP CIRCUITS. SEE WSDOT STANDARD SPEC 8-20.3(14)D.
10. FOR LOOP LOCATION REFER TO STANDARD DRAWING 805 AND PLANS.
11. SEAL ENDS OF CONDUIT WITH ELECTRICAL PUTTY OF SILICONE.
12. DRILL HOLE FOR HOME-RUN CONDUIT 1" LARGER THAN CONDUIT AND FILL VOID WITH HOT MIX ASPHALT.
13. ALL SPLICES SHALL BE ABLE TO BE RAISED A MINIMUM OF 16" ABOVE GROUND LINE.
14. BUCHANAN 2006S SPLICE CAPS, CRIMP WITH BUCHANAN C-24 CRIMPER FOLLOWING MANUFACTURE'S INSTALLATION PROCEDURE. SOLDER CRIMP (NO OPEN FLAME TORCH OR SIMILAR IS ALLOWED) AND TAPE WITH 2 LAYERS OF TAPE.

ⓗ INSTALLATION NOTES:

1. SEALANT - CRAFCO PART NO 34271, OR APPROVED EQUAL.
2. LOOP WIRE - NUMBER VARIES SEE LOOP WINDING DETAILS STANDARD DRAWING 810.
3. LEAD-IN WIRES: ONE PAIR FOR EACH LOOP SERVED, 3 PAIR MAX PER SAWCUT.
4. EXTEND SAWCUT SUFFICIENT LENGTH TO PROVIDE FULL SAWCUT DEPTH AROUND CORNERS.
5. LOCATE CORNER SAWCUT AT 45° TO SIDE CUTS TO PREVENT KINK IN LOOP WIRE AND ALSO MINIMIZE VOID. TRIANGULAR VOID WILL BE REMOVED AND FILLED WITH SEALANT.

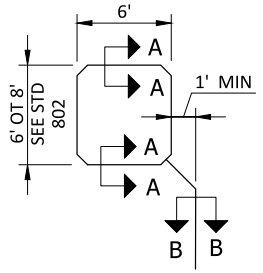
Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD809.DWG
PLOTTED: 11/21/2022 10:55 AM

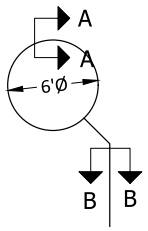
EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

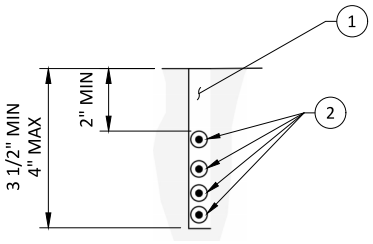
City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	COREY HERT	PAUL WILHELM	ESH	04/07/2017

TITLE
TRAFFIC INDUCTION LOOP
JUNCTION B0X, SPLICE & NOTES

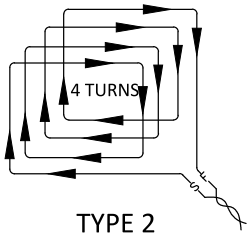
STANDARD DRAWING No.
809







SECTION A-A



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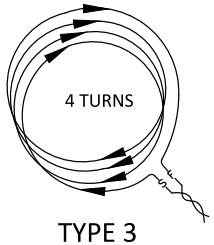

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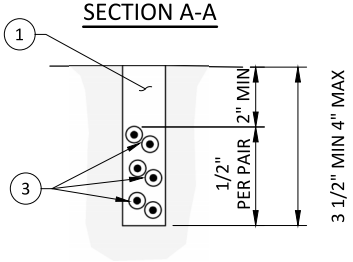

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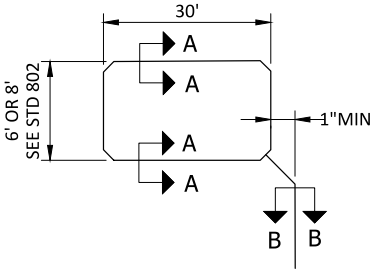
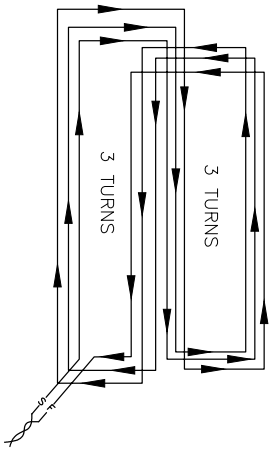
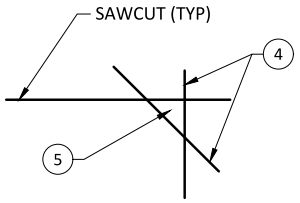
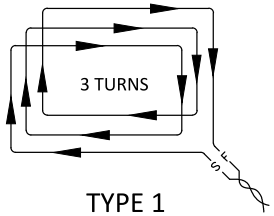




BICYCLE STOP LINE



DETAIL B



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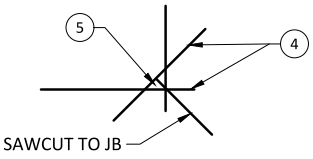

DETAIL C

LOOP WINDING

GENERAL NOTES FOR LOOP INSTALLATION:

1. INSTALL JUNCTION BOX AND LEAD-IN CONDUIT.
2. SAW LOOP SLOTS AND LEAD-IN SLOTS.
3. LAY OUT LOOP WIRE BEGINNING AT JUNCTION BOX, ALLOWING 5' MINIMUM SLACK.
4. INSTALL WIRE IN LOOP SLOT. SEE LOOP WINDING DETAIL.
5. RETURN TO JUNCTION BOX AND IDENTIFY LEADS WITH PLAN DETECTOR NUMBER AND "S" FOR START AND "F" FOR FINISH.
6. TWIST EACH PAIR OF LEAD-IN WIRES TWO TURNS PER FOOT FROM LOOP TO JUNCTION BOX AND INSTALL IN LEAD-IN SLOT AND CONDUIT. REVERSE DIRECTION OF TWIST FOR EACH SUCCESSIVE PAIR INSTALLED.
7. CONSTRUCT SUPPLEMENTAL SPLICE CONTAINING ANY SERIES OR PARALLEL LOOP CONNECTIONS REQUIRED IN PLANS. SUPPLEMENTAL SPLICES ARE SUBJECT TO THE SAME REQUIREMENTS SHOWN FOR THE LOOP LEAD AND SHIELDED CABLE SPLICE. IF APPROVED BY ENGINEER SCOTCHLOK 3570 EPOXY KIT SEALING PACKS MAY BE SUBSTITUTED FOR THE SCOTCHCAST 82-B1 FOR SUPPLEMENTAL SPLICES.
8. SPLICE LOOP LEADS OR SUPPLEMENTAL SPLICE LEADS TO SHIELDED CABLE AS NOTED.
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10. FOR LOOP LOCATION REFER TO STANDARD DRAWING 805 AND PLANS.
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12. DRILL HOLE FOR HOME-RUN CONDUIT 1" LARGER THAN CONDUIT AND FILL VOID WITH HOT MIX ASPHALT.
13. ALL SPLICES SHALL BE ABLE TO BE RAISED A MINIMUM OF 16" ABOVE GROUND LINE.
14. BUCHANAN 2006S SPLICE CAPS, CRIMP WITH BUCHANAN C-24 CRIMPER FOLLOWING MANUFACTURE'S INSTALLATION PROCEDURE. SOLDER CRIMP (NO OPEN FLAME TORCH OR SIMILAR IS ALLOWED) AND TAPE WITH 2 LAYERS OF TAPE.

(#) INSTALLATION NOTES:

1. SEALANT - CRAFCO PART NO 34271, OR APPROVED EQUAL.
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EVERETT WASHINGTON
PUBLIC WORKS DEPARTMENT

City Engineer	Section Manager	CAD Manager	Drawn By	Current Rev Date
RYAN SASS	CORY HERT	PAUL WILHELM	ESH	04/07/2017

TITLE
TRAFFIC INDUCTION LOOP
LOOP TYPES, SAW CUT SECTIONS & NOTES

STANDARD DRAWING No.
810

Filename
T:\ACAD\EPS-COE DESIGN & CONSTR SPECS FOR DEVELOPMENT\IN-WORK\STD810.DWG
PLOTTED: 11/21/2022 10:55 AM

APPENDIX E

PRELIMINARY NOISE VARIANCE

EVERETT
WASHINGTON

Everett Noise Administrator's Office

February 13, 2025

City of Everett Public Works Department
Mr. Michael Kangas
3225 Cedar Street
Everett, WA 98201

RE: Noise Variance for 2025 Pavement Maintenance Overlay WO 3830

Dear Mr. Kangas:

The City grants a variance to the noise ordinance, EMC 20.08, for the 2025 Pavement Maintenance Overlay work. To minimize traffic impacts during commute hours, this work must be performed at night. The variance allows nighttime work at the following locations:

Street Name	Cross Street Limits	Variance Type
Evergreen Way SB – curb lane only	75th St to Bruin Blvd	1 hour Early Start
Evergreen Way NB – curb lane only	Everett Mall Way to 100th St SE	Night Work Allowed
E Casino Road	Bruin Blvd to Beverly Blvd	1 hour Early Start
Ross Ave	35th Ave NE to 12th St NE	Night Work Allowed
34th Ave NE	Ross Ave to SB 529 Off Ramp	Night Work Allowed
All Locations	Striping Operations Only	Night Work Allowed

The variance allows for 27 occurrences of nighttime work between 10 pm and 7 am the locations described during the construction window of March 1 – October 31, 2025, for the duration of this Contract. This variance applies to the contractor and subcontractors selected by the City of Everett for this project. To minimize impacts on residential and business properties, the following mitigation measures shall be in effect:

- Back-up alarms shall be directional broad band type alarms.
- Trucks performing export haul shall have well maintained bed liners.
- No construction work will be allowed between 6 pm and 8 am on Saturdays, Sundays or federally-recognized holidays

Should you wish to extend this variance please submit a renewal request prior to expiration of this variance.

Sincerely,

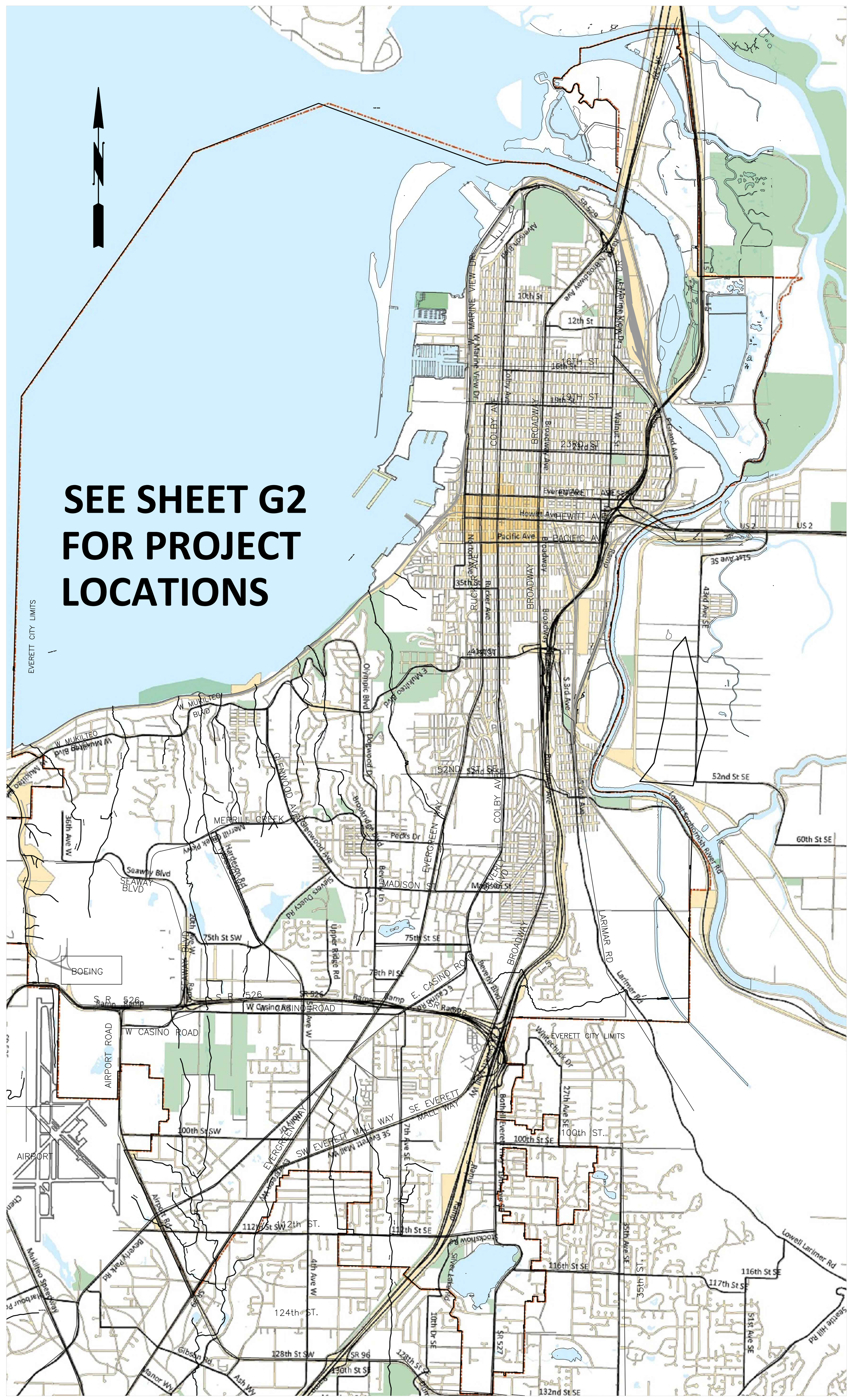
Megan Munro
City of Everett Noise Administrator

cc: Kathleen Baxter, Public Works PIO

CITY OF EVERETT

PUBLIC WORKS DEPARTMENT

2025 PAVEMENT MAINTENANCE OVERLAY



VICINITY MAP

WORK ORDER: 3830

CITY OFFICIALS:

MAYOR:
CASSIE FRANKLIN

COUNCIL MEMBERS:
COUNCIL PRESIDENT
DON SCHWAB

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

RECOMMENDED FOR APPROVAL :

PROJECT ENGINEER
GINA 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

NO.	DATE	APRVD	REVISION

PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed BED, DM, GSL
Drawn BED
Checked DTE, CNH
Design Review Level
Issued

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
Digitally signed by Daniel Enrico, P.E.
Date: 2025.03.2[illegible]:43:36-07'00'

Drawing G1
Sheet No. 1
18 Of Total

WO# 3823 2024 PAVEMENT MAINTENANCE OVERLAY

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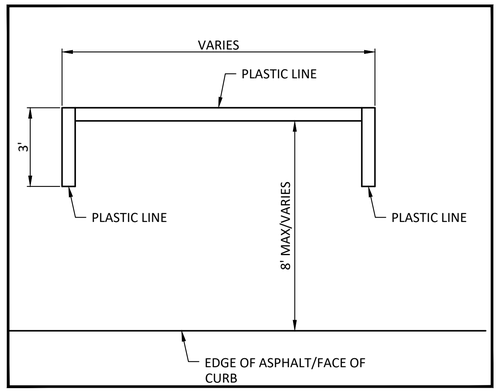

TYPICAL PARKING LAYOUT DETAIL

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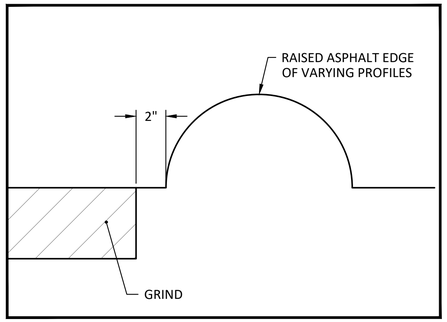


ROLLED CURB DETAIL

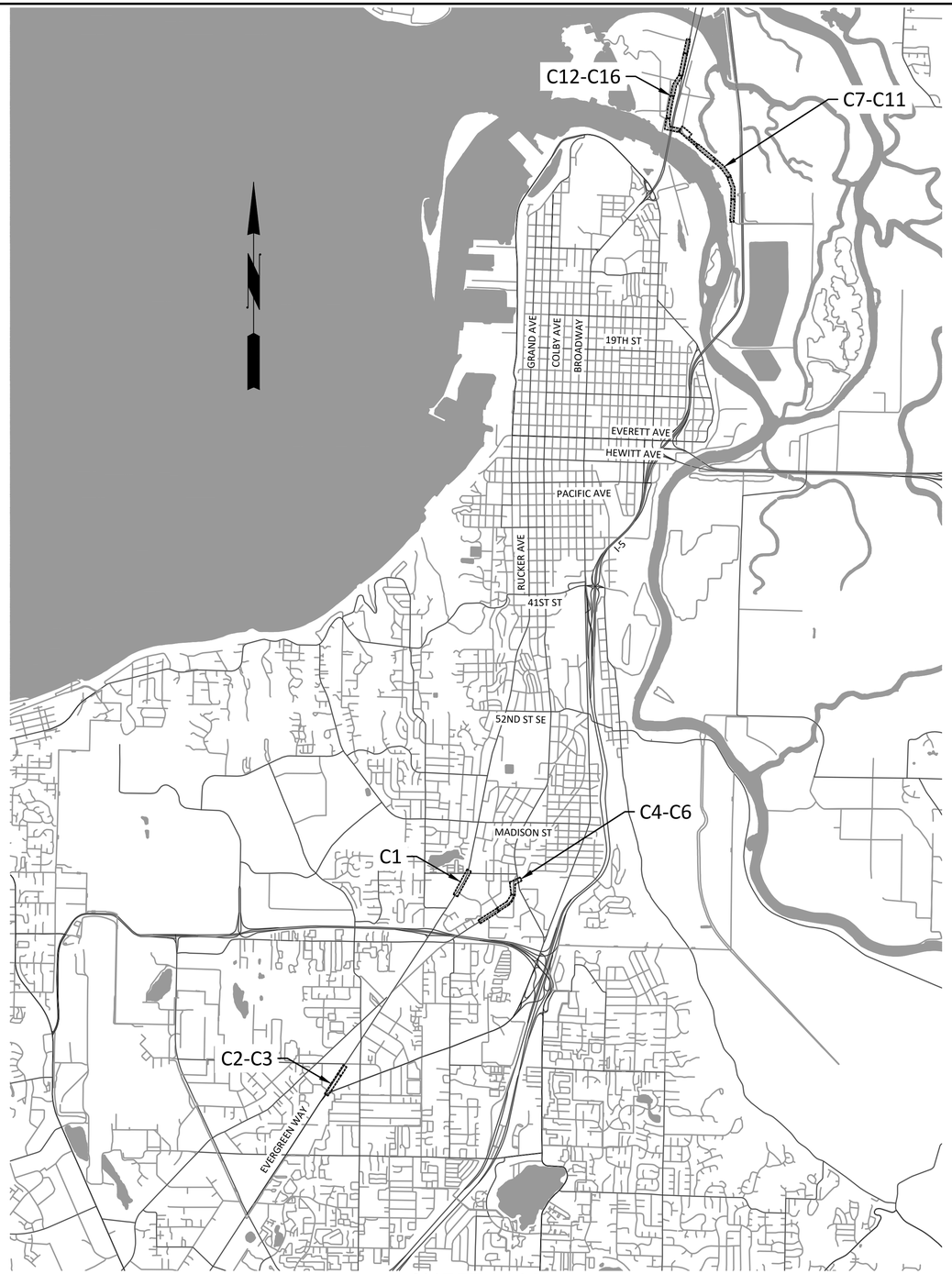
SCALE: N.T.S.

LEGEND

- PAVING LIMITS HMA CLASS 1/2 IN. PG 64-22
- JUNCTION BOX TYPE 1 OR EXISTING TRAFFIC SIGNAL CABINET
- JUNCTION BOX TYPE 2
- JUNCTION BOX TYPE 3 & SPECIAL
- 444LA UG VAULT
- TRAFFIC CABINET
- EXISTING TRAFFIC SIGNAL POLE
- VEHICLE DETECTION SENSOR (CAMERA)
- XXX — PROPOSED INDUCTIVE VEHICLE DETECTION LOOP
- XXX (VDZ) — VIDEO DETECTION ZONE
- MANHOLE
- CATCH BASIN/INLET
- FIRE HYDRANT
- VALVE
- METER

GENERAL NOTES:

1. PROTECT EXISTING MONUMENTS, TYP. SEE SPECIAL PROVISIONS SECTION 8-13.
2. ADJUST IRON AS DIRECTED AND/OR REQUIRED.
3. ALL LINE WORK IS BASED ON AERIAL PHOTOGRAPHY AND GIS DATA WHICH MAY NOT REPRESENT CURRENT FIELD CONDITIONS. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.
4. ALL PAVING LIMIT DIMENSIONS ARE APPROXIMATE AND ARE BASED ON AERIAL PHOTOGRAPHY.
5. PAVEMENT MARKINGS SHALL BE PLACED PER PLAN OR BY THE DIRECTION OF THE ENGINEER. PAVEMENT MARKING DIMENSIONS ARE MEASURED FROM FACE-OF-CURB OR EDGE OF ASPHALT WHERE NO CURB EXISTS.
6. JOINT SEALANT SHALL BE USED FOR TRANSVERSE JOINTS PER 5-04 OF THE SPECIAL PROVISIONS.



SHEET MAP

SCALE: N.T.S.

NO.	DATE	APRVD	REVISION

PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed BED, GSL
Drawn BED
Checked DTE
Design Review Level

DANIEL T ENRICO — STATE OF WASHINGTON — 30811 — REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Daniel Enrico, P.E.
Date: 2025.03.25 14:55:08-07'00'

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

2025 PAVEMENT MAINTENANCE OVERLAY
WORK ORDER 3830
REGION - 10 | STATE - WA

GENERAL
SHEET MAP, GENERAL NOTES & DETAILS

Drawing G2
Sheet No. 2 / 18 Of Total

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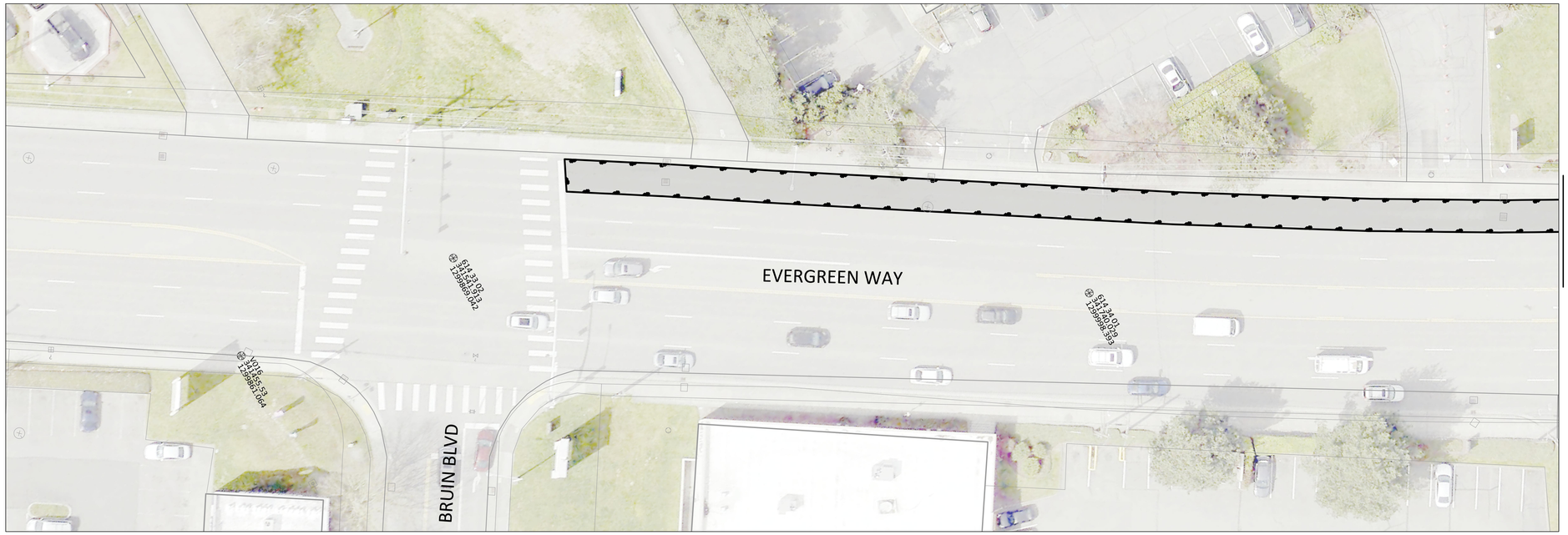
Surveyed By / Date / Control Monument / City of Everett Field Book/Starting Page /



PLAN

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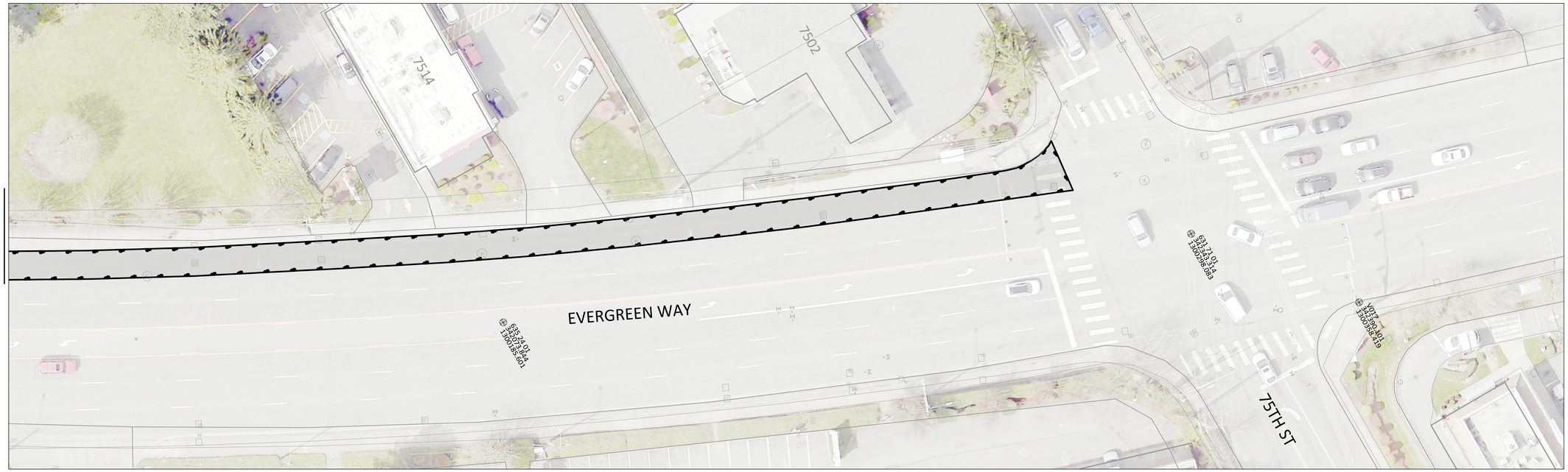

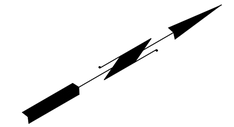

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NO.	DATE	APRVD	REVISION
			PLANS ISSUED FOR
BID ACTION	3/26/2025 DATE	GSL APRVD	CONST ACTION / DATE / APRVD
			RECORD ACTION / DATE / APRVD

Designed: BED, GSL
Drawn: BED
Checked: DTE
Design Review Level

DANIEL T ENRICO STATE OF WASHINGTON 40811 REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Daniel Enrico, P.E.
Date: 2025.03.25 14:55:05 -07'00'

EVERETT PUBLIC WORKS

3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

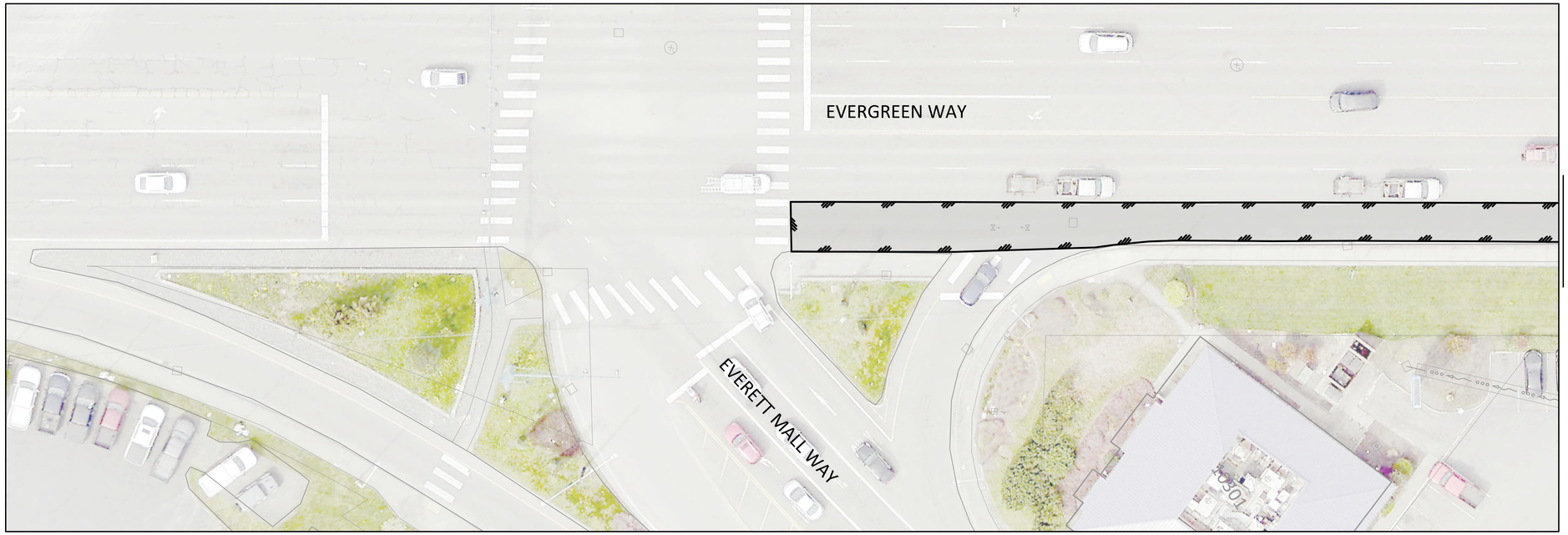
REGION - 10 | STATE - WA

EVERGREEN WAY

SOUTHBOUND CURB LANE ONLY

Drawing: C1

Sheet No. 3 / 18 Of Total



PLAN

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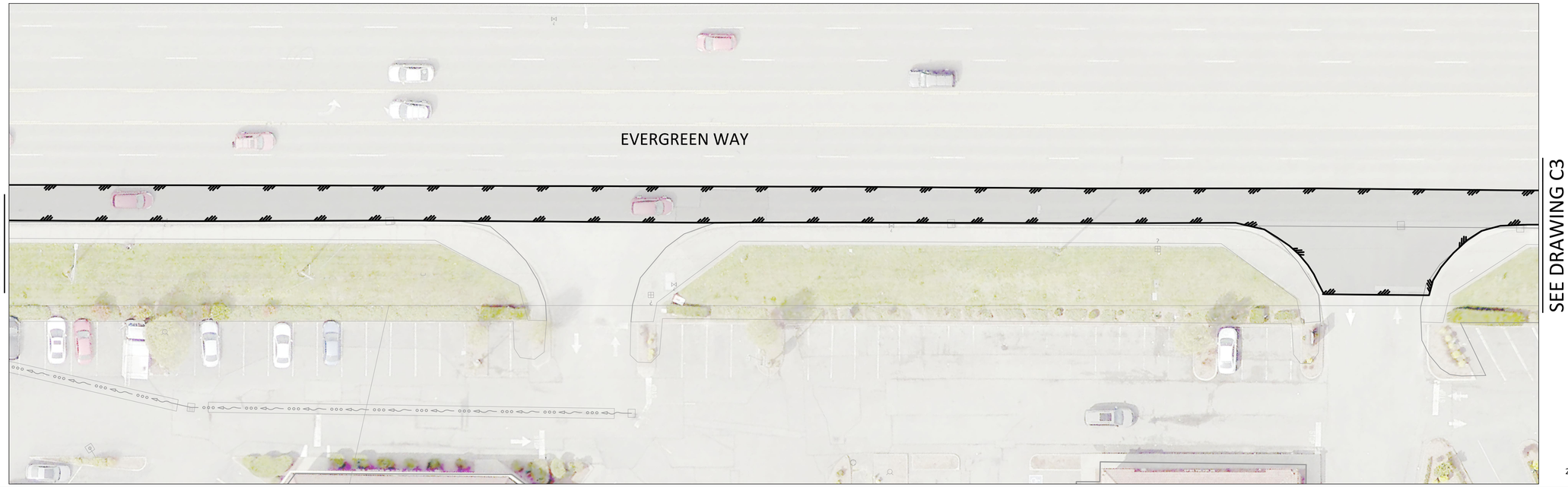

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FEET

NO.	DATE	APRVD	REVISION
P			

PLANS ISSUED FOR

BID ACTION	3/26/2025 DATE	GSL APRVD	CONST ACTION	DATE	APRVD	RECORD ACTION	DATE	APRVD

Designed BED, GSL
Drawn BED
Checked DTE
Design Review Level

DANIEL T ENECO STATE OF WASHINGTON 30811 REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Daniel Eneco, P.E.
Date: 2025.03.26 14:55:10 07'00'

EVERETT PUBLIC WORKS

3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

EVERGREEN WAY

NORTHBOUND CURB LANE ONLY

Drawing C2

Sheet No. 4 / 18 Of Total

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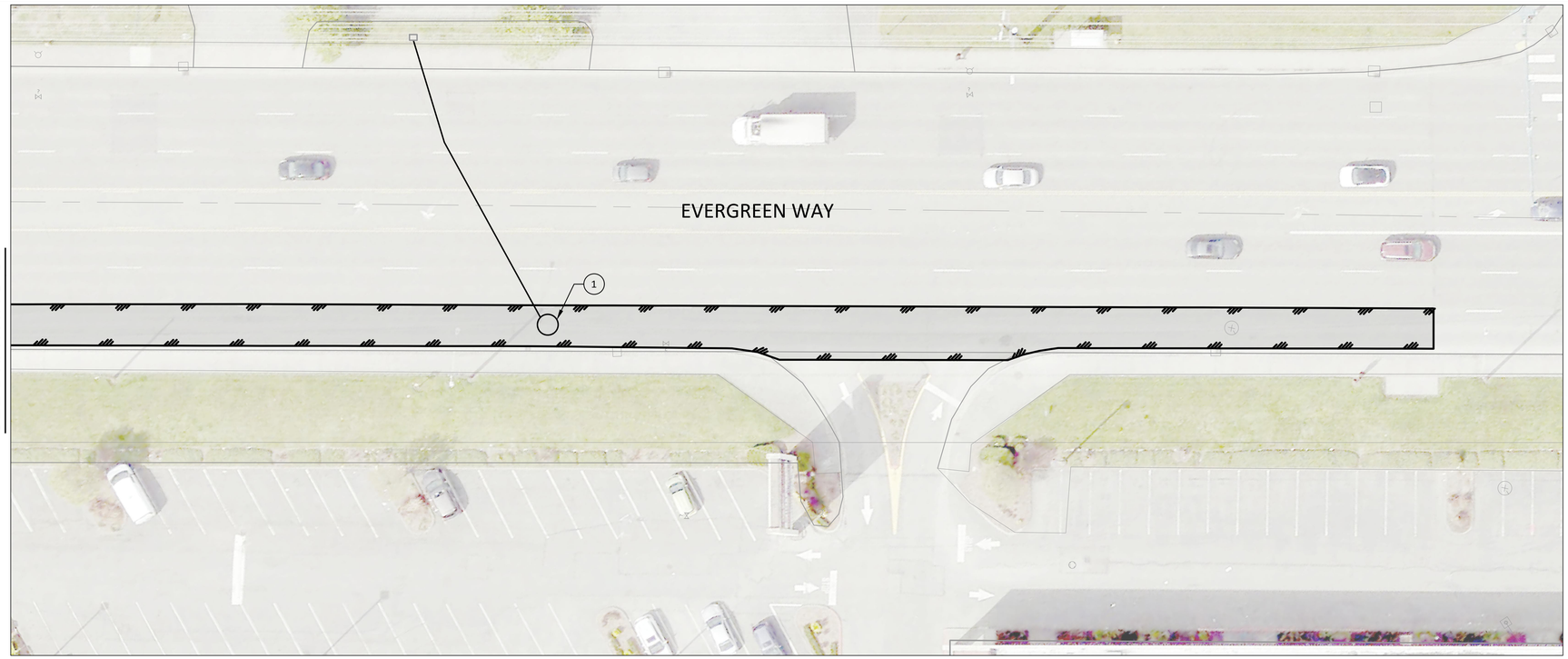

PLAN

SCALE: 1"= 20'

CONSTRUCTION NOTES:

1. INSTALL A 4-TURN 6 FT DIAMETER ROUND LOOP PER STANDARD DRAWINGS 805, 809 AND 810.

SCALE
20 10 0 20 40
FEET

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P			

PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
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Drawn BED
Checked DTE
Design Review Level

DANIEL T. ENECO — STATE OF WASHINGTON — 40861 — REGISTERED PROFESSIONAL ENGINEER

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Date: 2025.03.25 14:55:11 -07'00'

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3200 Cedar Street
Everett, WA 98201
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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

EVERGREEN WAY

NORTHBOUND CURB LANE ONLY

Drawing C3

Sheet No. 5 / 18 Of Total

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File path\Filename S:\LCOMMON\ENGINEERING PROJECTS\PW 3830 2025 OVERLAY\300 CAD-BIM\SHEET\EVERGREEN WAY - EMW TO 100TH ST SW.DWG

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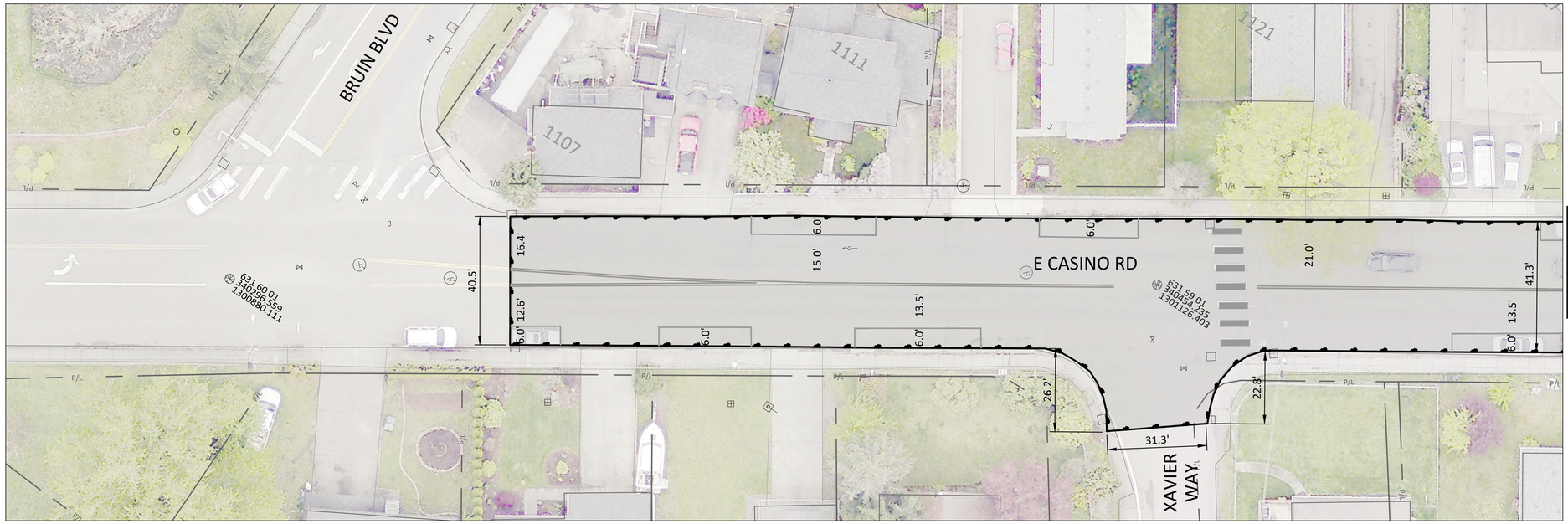
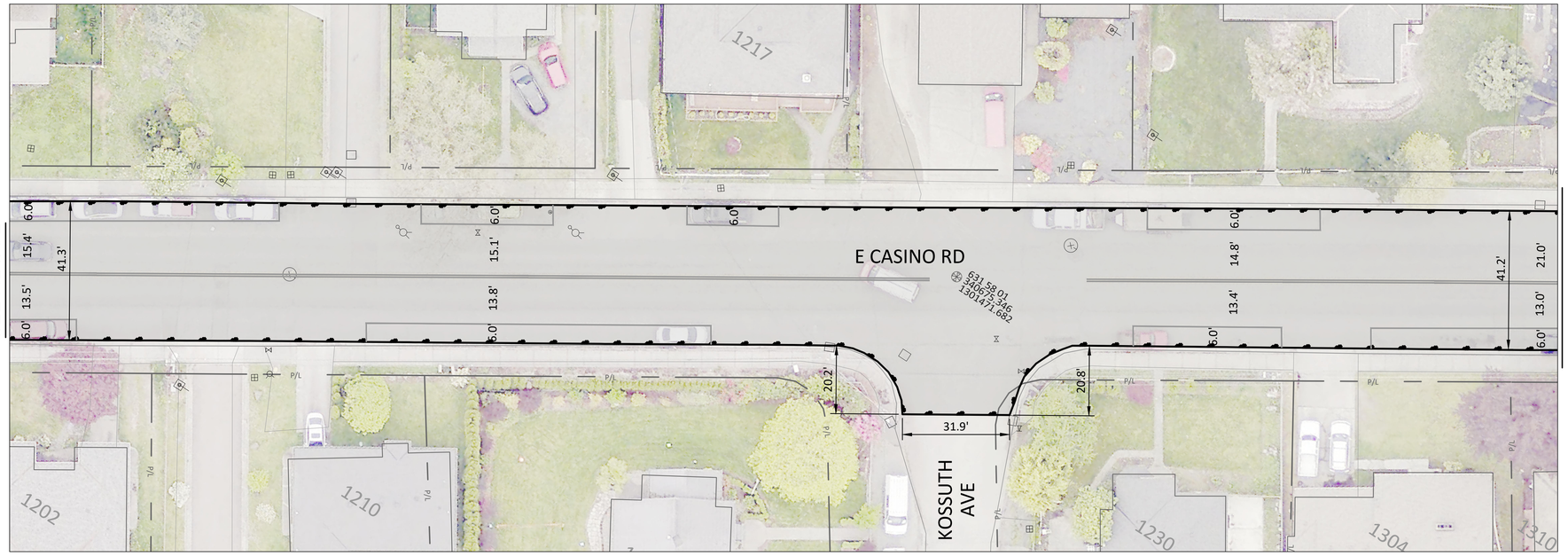
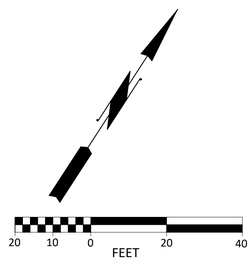


PLAN

SCALE: 1"=20'





NO.	DATE	APRVD	REVISION
			PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

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DANIEL T ENRICO — STATE OF WASHINGTON — 30851 — REGISTERED PROFESSIONAL ENGINEER

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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

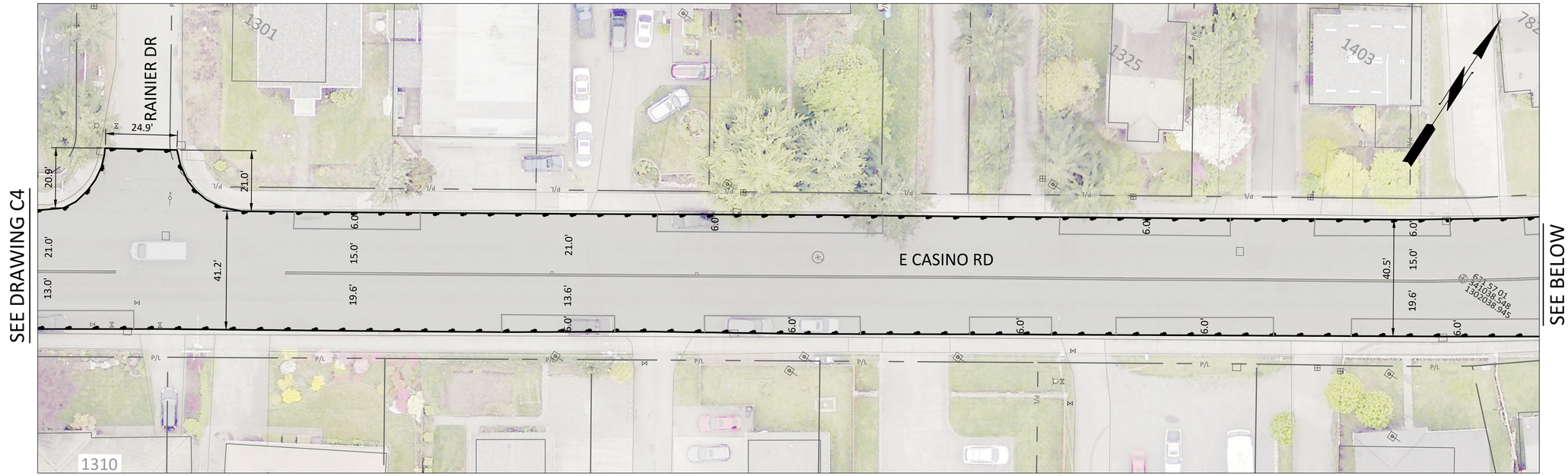
REGION - **10** | STATE - **WA**

E CASINO RD

BRUIN BLVD TO 1310

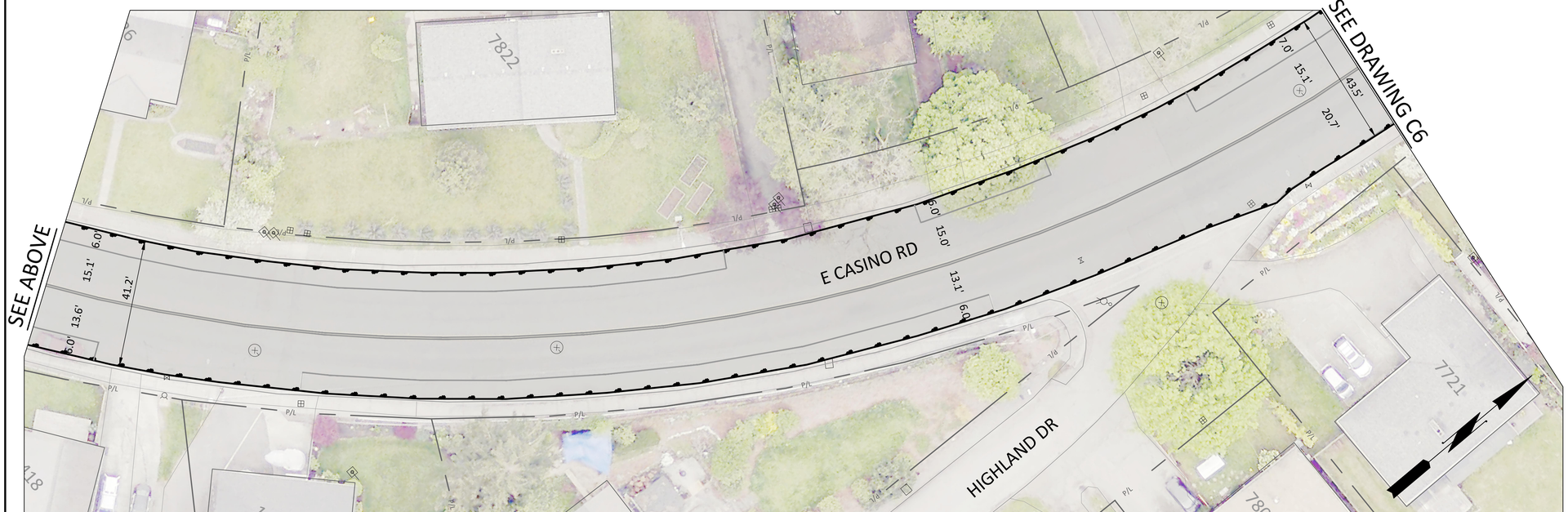
Drawing C4

Sheet No. 6 / 18 Of Total



PLAN

SCALE: 1"= 20'



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			PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

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Drawn BED
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DANIEL T ERICO — STATE OF WASHINGTON — 40851 — REGISTERED PROFESSIONAL ENGINEER
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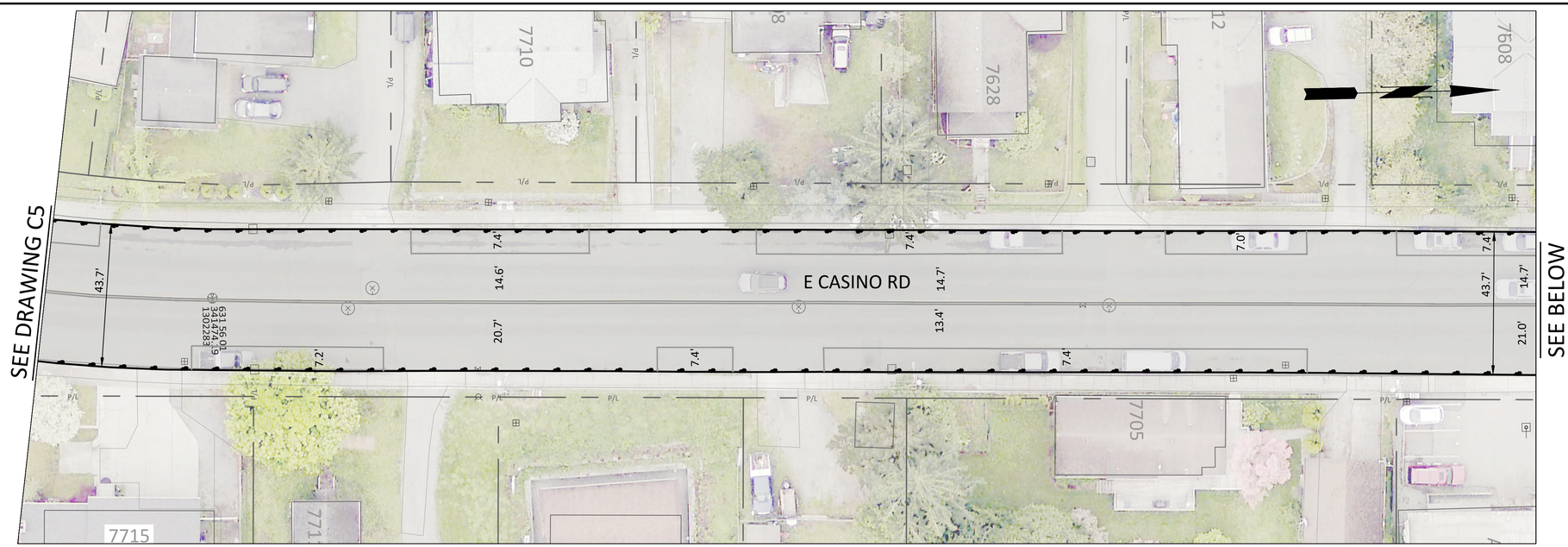
2025 PAVEMENT MAINTENANCE OVERLAY
WORK ORDER 3830
REGION - 10 | STATE - WA

E CASINO RD
RAINIER DR TO 7721

Drawing C5
Sheet No. 7 / 18 Of Total

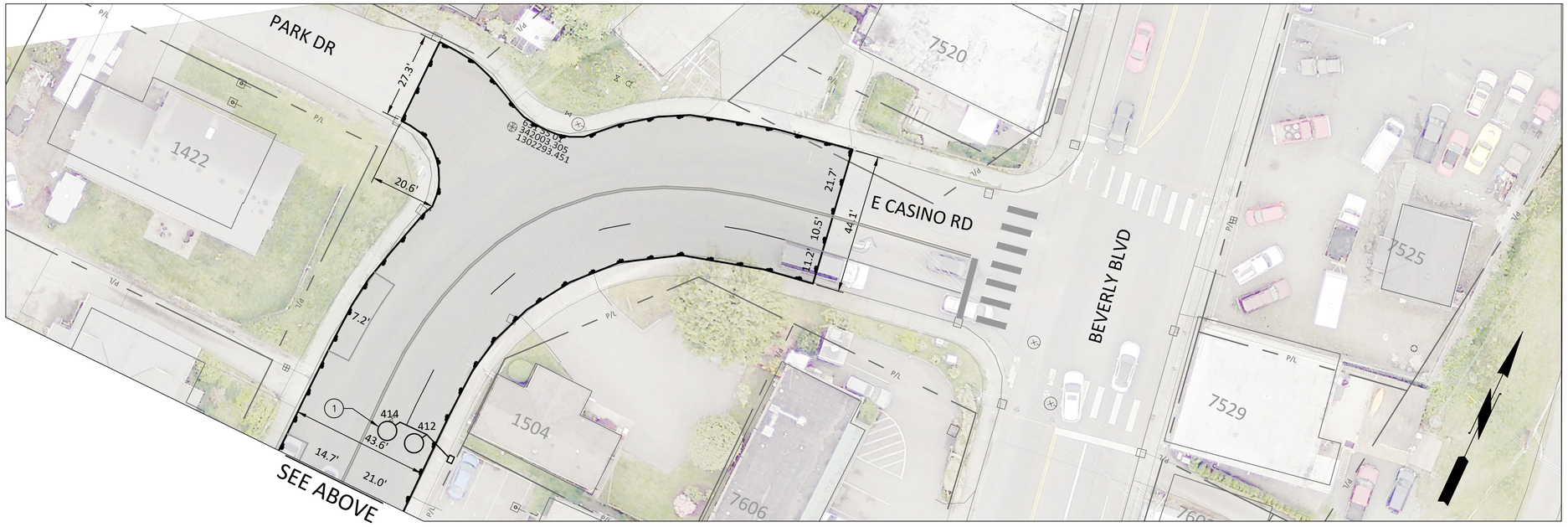


PLAN

SCALE: 1"= 20'

X CONSTRUCTION NOTES:

1. INSTALL A 4-TURN 6 FT DIAMETER ROUND LOOP PER STANDARD DRAWINGS 805, 809 AND 810.



NO.	DATE	APRVD	REVISION

PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

E CASINO RD

7721 TO BEVERLY BLVD

Drawing C6

Sheet No. 8 / 18 Of Total

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Plot date 3/25/2025 2:22 PM Plotted by Brian Defreese Last saved by BDefreese Plot style Everett-2016.stb Sheetset Name 2025 PMO
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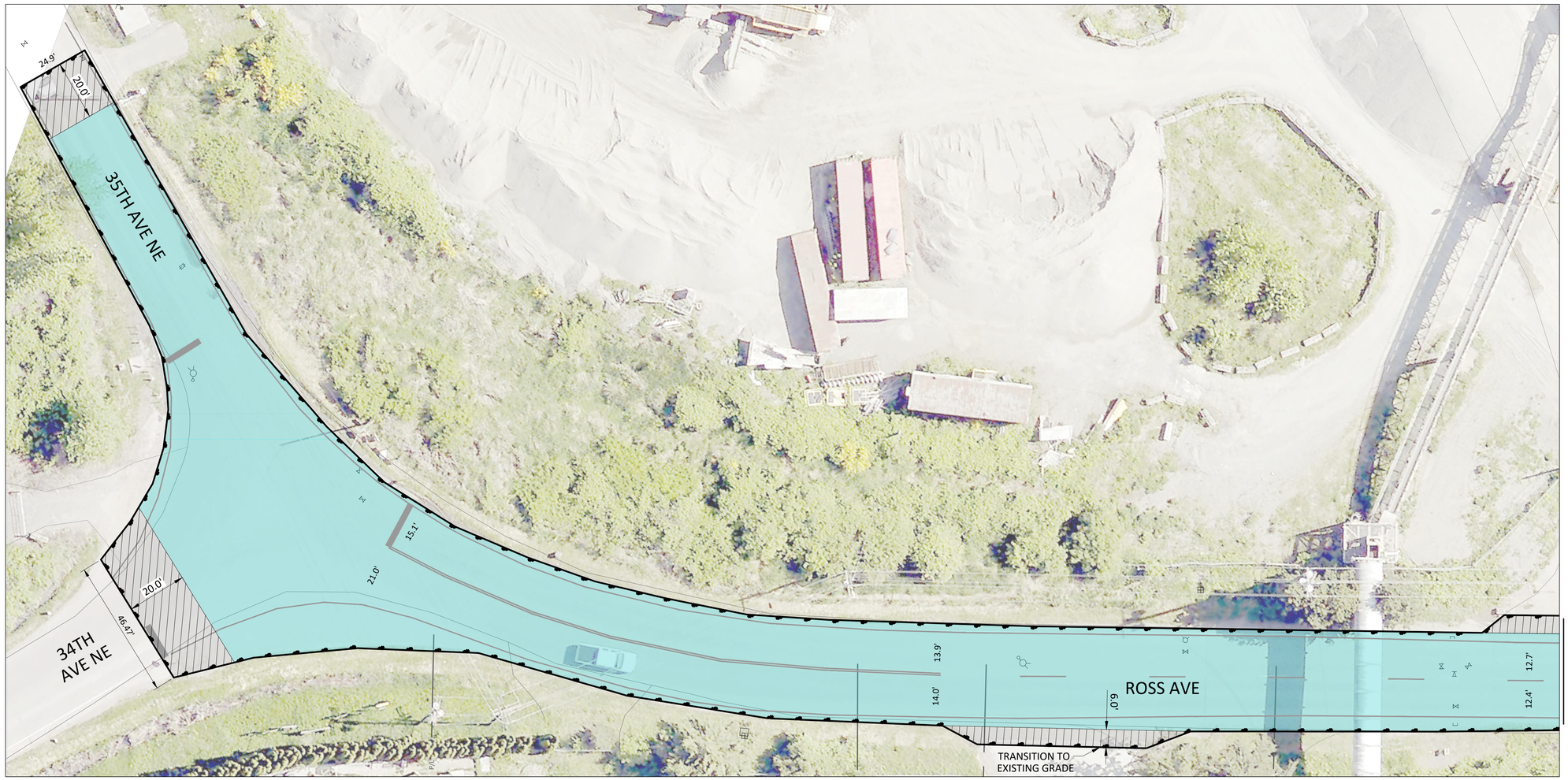

PLAN

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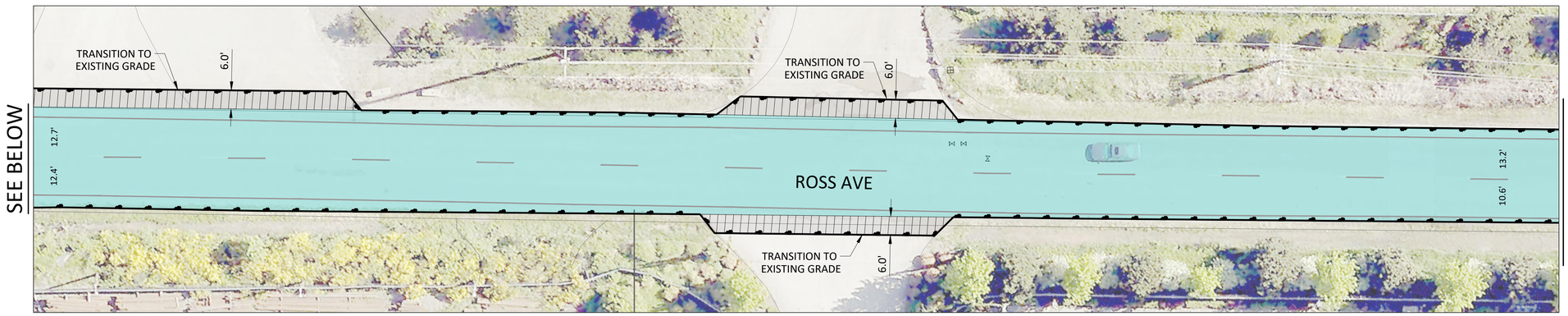

LEGEND

- HMA 2-INCH GRIND, 3-INCH PAVE AREA
- HMA TRANSITION AREA, 3-INCH PAVE BACK TO 2-INCH PAVE OR TIE-IN TO EXIST GRADE
- HMA 2-INCH GRIND, 2-INCH PAVE AREA

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FEET

NO.	DATE	APRVD	REVISION

PLANS ISSUED FOR

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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

ROSS AVE

35TH AVE NE TO 2102

Drawing C7
Sheet No. 9 / 18 Of Total

Plot date 3/25/2025 2:23 PM Plotted by Brian Defreese Last saved by BDefreese Plot style Everett-2016.stb Sheetset Name 2025 PMO
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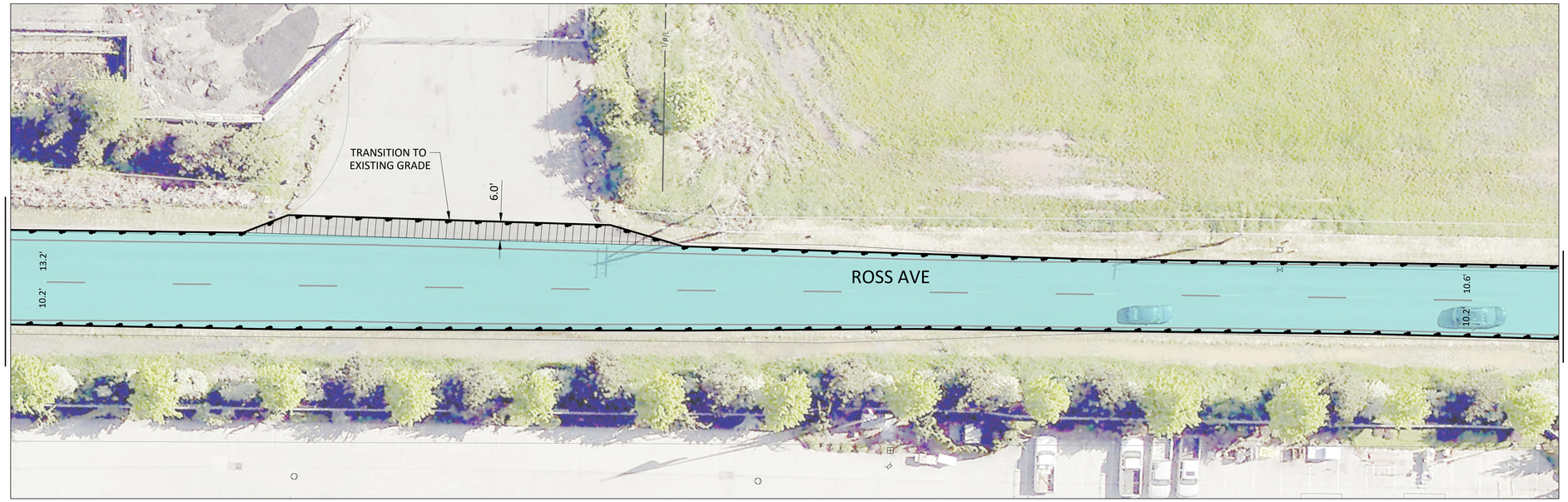
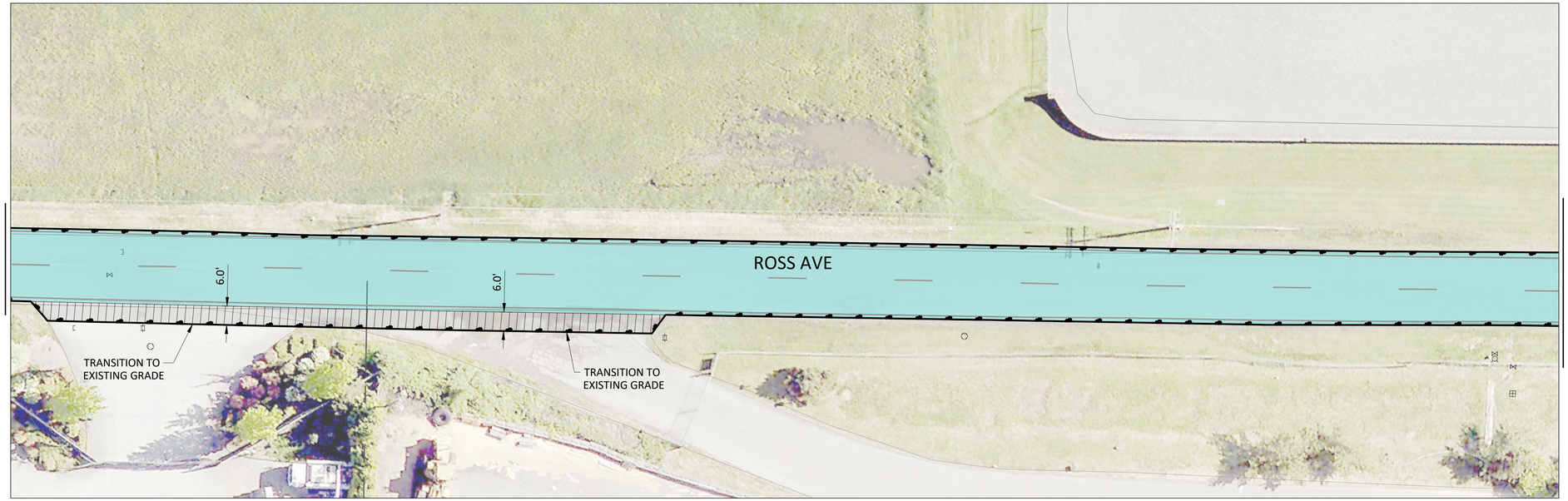


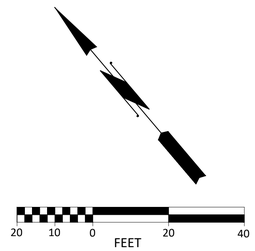
PLAN

SCALE: 1"=20'

LEGEND

- HMA 2-INCH GRIND, 3-INCH PAVE AREA
- HMA TRANSITION AREA, 3-INCH PAVE BACK TO 2-INCH PAVE OR TIE-IN TO EXIST GRADE
- HMA 2-INCH GRIND, 2-INCH PAVE AREA





NO.	DATE	APRVD	REVISION
			PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

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DANIEL T. ENRICO — STATE OF WASHINGTON — 50811 — REGISTERED PROFESSIONAL ENGINEER

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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

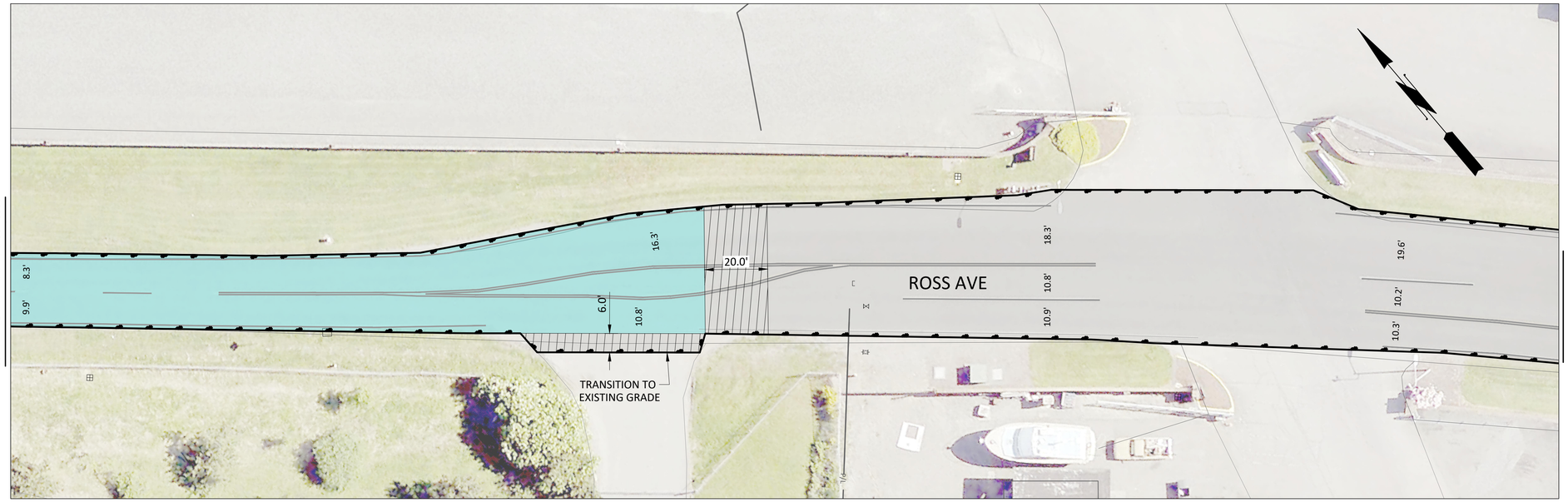
REGION - **10** | STATE - **WA**

ROSS AVE

2102 TO 1910

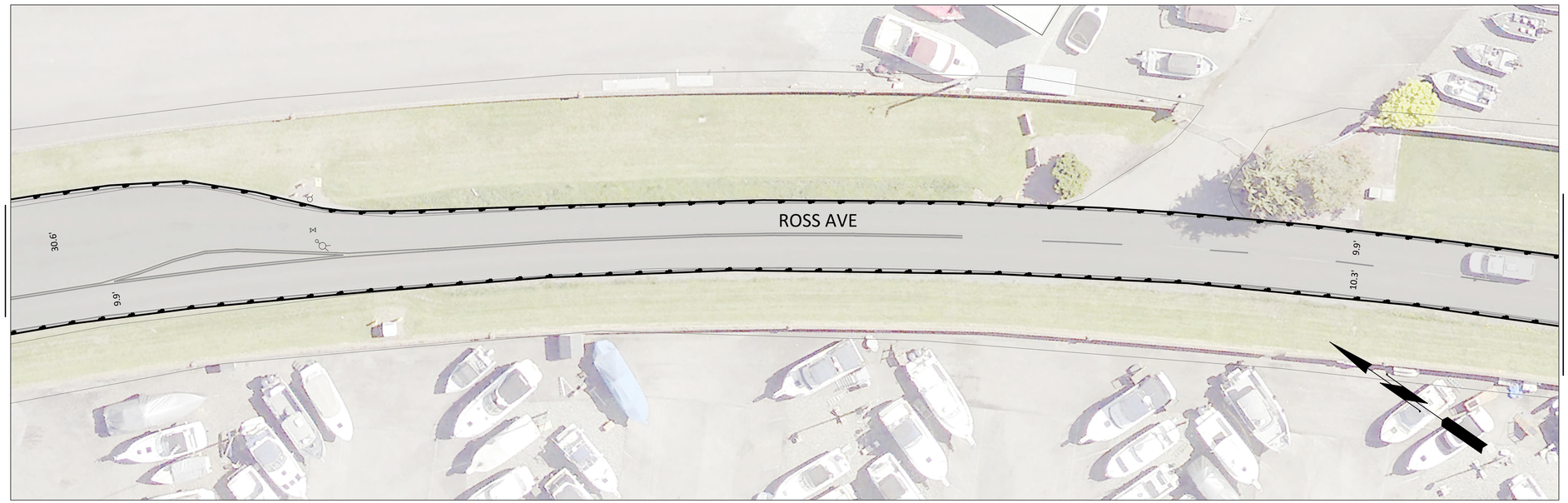
Drawing C8

Sheet No. 10 / 18 Of Total



PLAN

SCALE: 1"=20'



LEGEND

- HMA 2-INCH GRIND, 3-INCH PAVE AREA
- HMA TRANSITION AREA, 3-INCH PAVE BACK TO 2-INCH PAVE OR TIE-IN TO EXIST GRADE
- HMA 2-INCH GRIND, 2-INCH PAVE AREA

20 10 0 20 40
FEET

NO.	DATE	APRVD	REVISION
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BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

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DANIEL T ENRICO — STATE OF WASHINGTON — 40811 — REGISTERED PROFESSIONAL ENGINEER

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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

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ROSS AVE

1910 TO 1871

Drawing C9

Sheet No. 11 / 18 Of Total

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File path\Filename S:\COMMON\ENGINEERING PROJECTS\PW 3830 2025 OVERLAY\300 CAD-BIM\SHEET\34TH AVE NE TO 12TH ST NE.DWG

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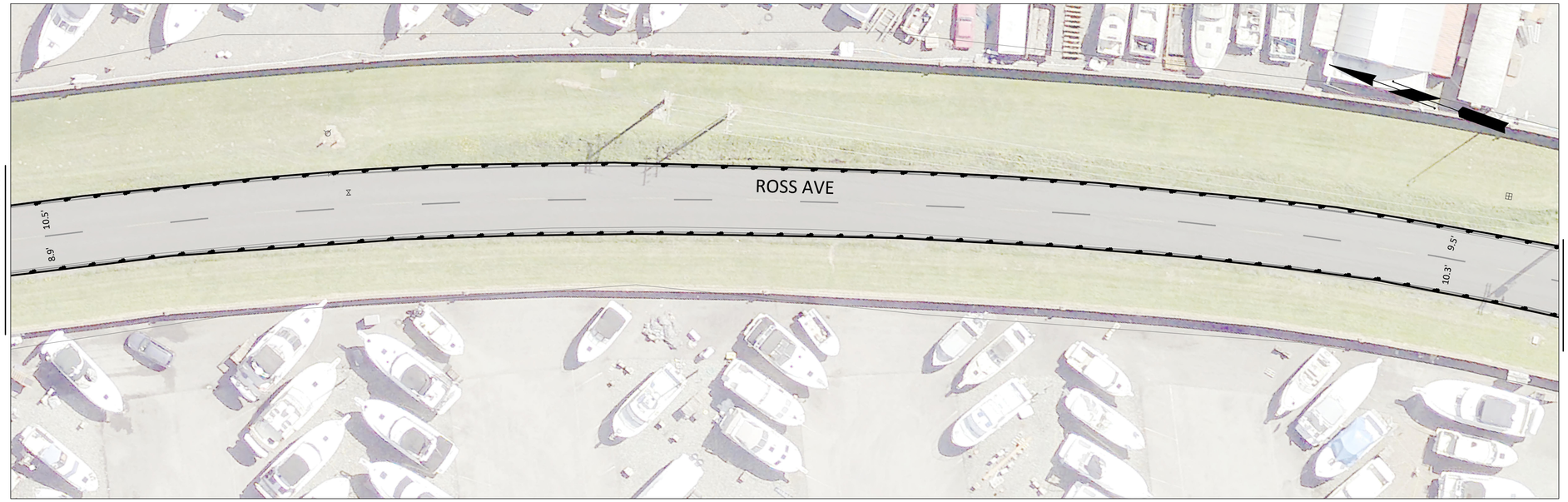

PLAN

SCALE: 1"=20'

LEGEND

- HMA 2-INCH GRIND, 3-INCH PAVE AREA
- HMA TRANSITION AREA, 3-INCH PAVE BACK TO 2-INCH PAVE OR TIE-IN TO EXIST GRADE
- HMA 2-INCH GRIND, 2-INCH PAVE AREA

20 10 0 20 40

FEET

NO.	DATE	APRVD	REVISION
P			

PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed BED, GSL
Drawn BED
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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

ROSS AVE

1871 TO 1870

Drawing C10

Sheet No. 12 / 18 Of Total

Plot date 3/25/2025 2:24 PM Plotted by Brian Defreese Last saved by BDefreese Plot style Everett-2016.stb Sheetset Name 2025 PMO
File path\Filename S:\COMMON\ENGINEERING PROJECTS\PW 3830 2025 OVERLAY\300 CAD-BIM\SHEET\34TH AVE NE TO 12TH ST NE.DWG

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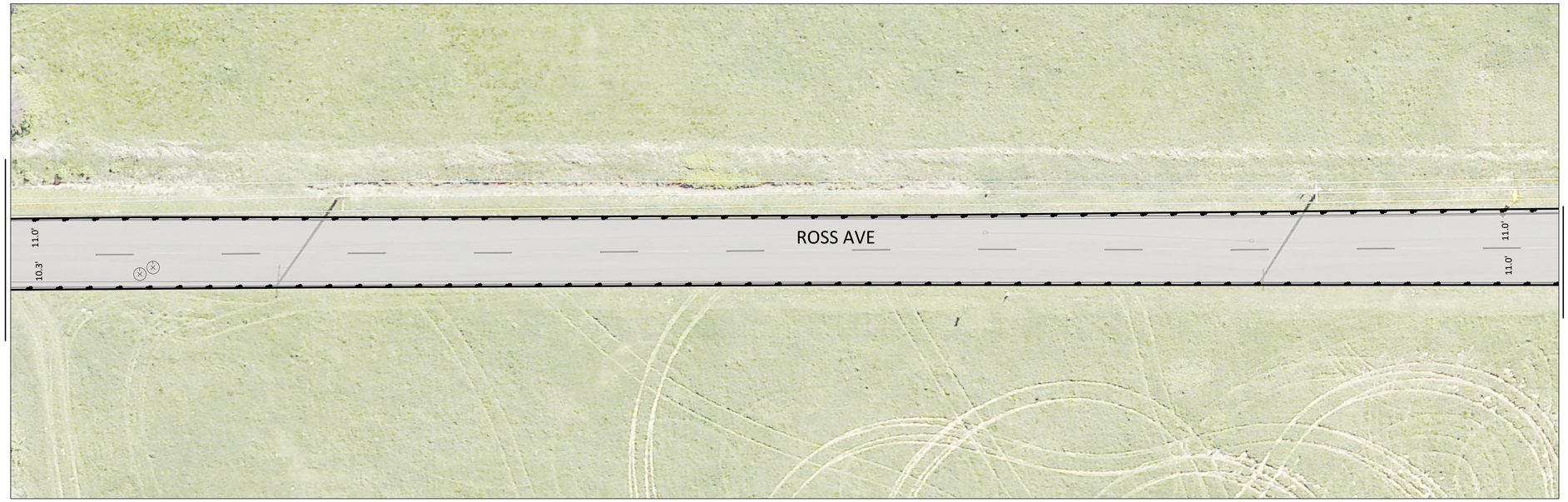

PLAN

SCALE: 1"=20'

LEGEND

- HMA 2-INCH GRIND, 3-INCH PAVE AREA
- HMA TRANSITION AREA, 3-INCH PAVE BACK TO 2-INCH PAVE OR TIE-IN TO EXIST GRADE
- HMA 2-INCH GRIND, 2-INCH PAVE AREA

20 10 0 20 40

FEET

NO.	DATE	APRVD	REVISION
			PLANS ISSUED FOR
BID	3/26/2025	GSL	CONST / RECORD
ACTION	DATE	APRVD	ACTION / DATE / APRVD

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Drawn BED
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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | STATE - **WA**

ROSS AVE

1870 TO 12TH ST NE

Drawing C11

Sheet No. 13 / 18 Of Total

Plot date 3/25/2025 2:24 PM Plotted by Brian DeFreese Last saved by BDefreese Plot style Everett-2016.stb Sheetset Name 2025 PMO
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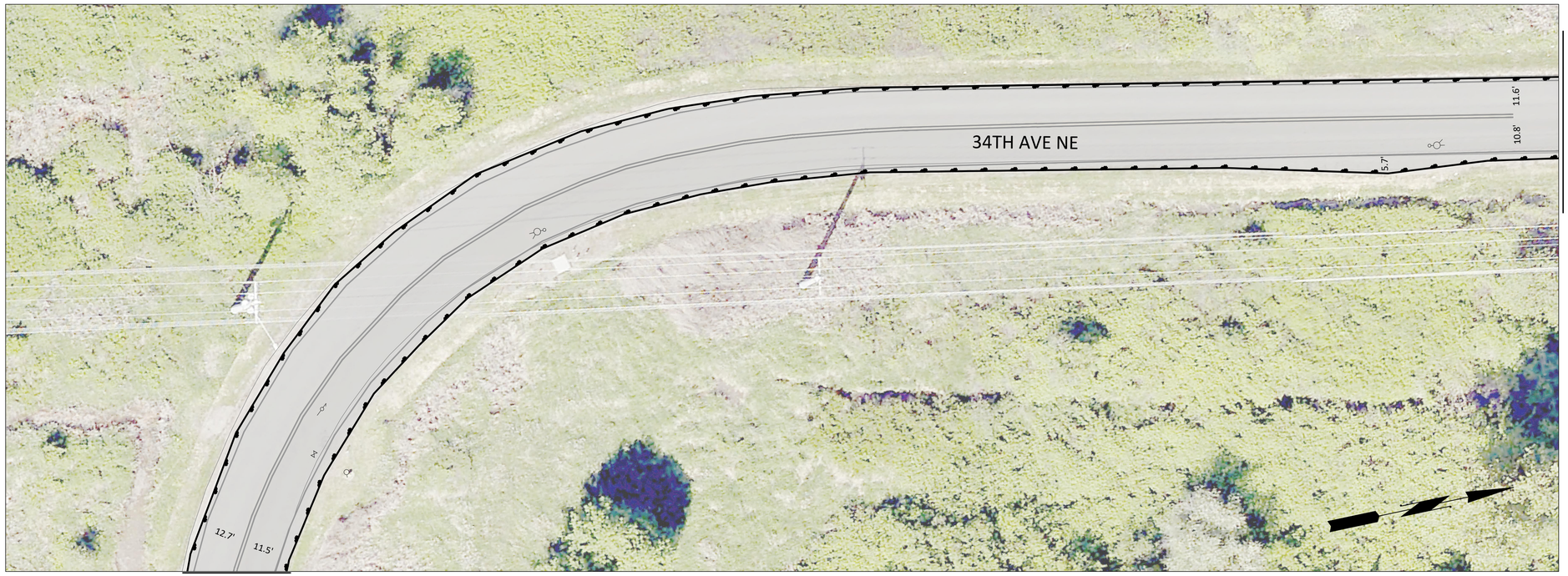
PLAN

SCALE: 1"=20'



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FEET

NO.	DATE	APRVD	REVISION

PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

34TH AVE NE

ROSS AVE TO SB SR 529 OFF RAMP

Drawing C12

Sheet No. 14 / 18 Of Total

Plot date 3/25/2025 2:25 PM Plotted by Brian Defreese Last saved by BDefreese Plot style Everett-2016.stb Sheetset Name 2025 PMO
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SEE DRAWING C12

SEE BELOW

PLAN

SCALE: 1"= 20'

SEE ABOVE

SEE DRAWING C14

20 10 0 20 40

FEET

NO.	DATE	APRVD	REVISION
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PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

34TH AVE NE

ROSS AVE TO SB SR 529 OFF RAMP

Drawing C13

Sheet No. 15 / 18 Of Total

Plot date: 3/25/2025 2:25 PM Plotted by: Brian Defreese Last saved by: BDefreese Plot style: Everett-2016.stb Sheetset Name: 2025 PMO
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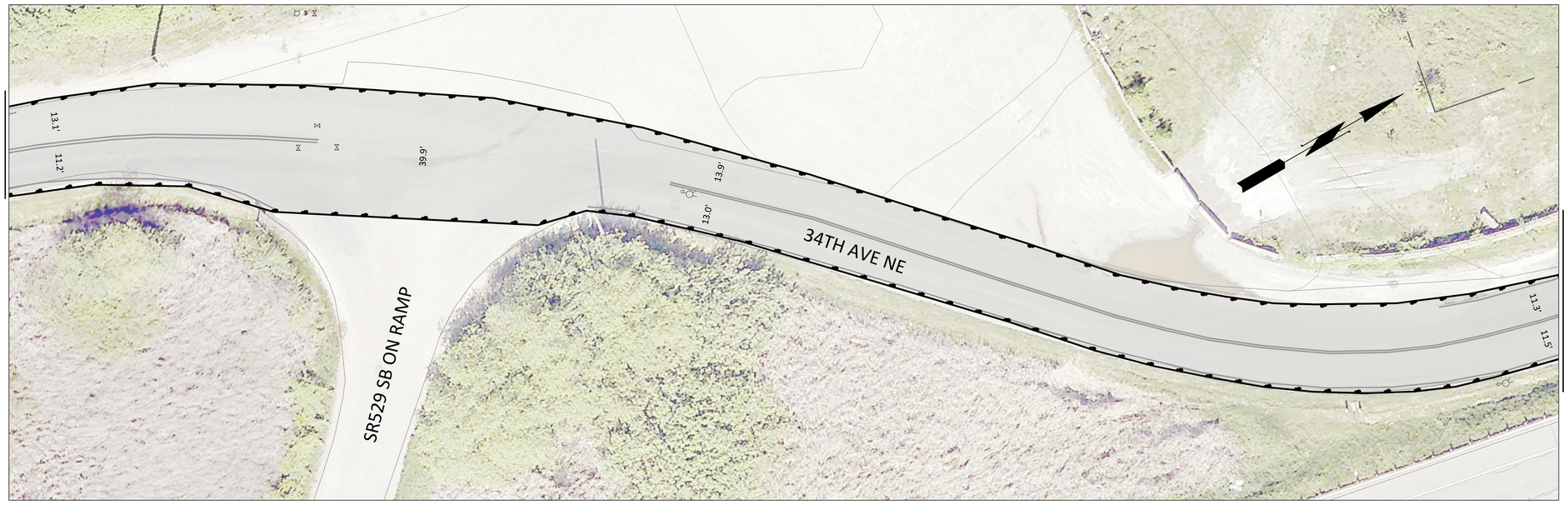
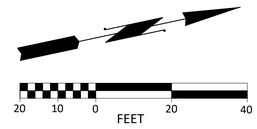
PLAN

SCALE: 1"= 20'





NO.	DATE	APRVD	REVISION
P			
			PLANS ISSUED FOR

BID ACTION	3/26/2025 DATE	GSL APRVD	CONST ACTION	DATE	APRVD	RECORD ACTION	DATE	APRVD

Designed BED, GSL
Drawn BED
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Date: 2025.03.26 14:57:28-07'00'

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Everett, WA 98201
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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

34TH AVE NE

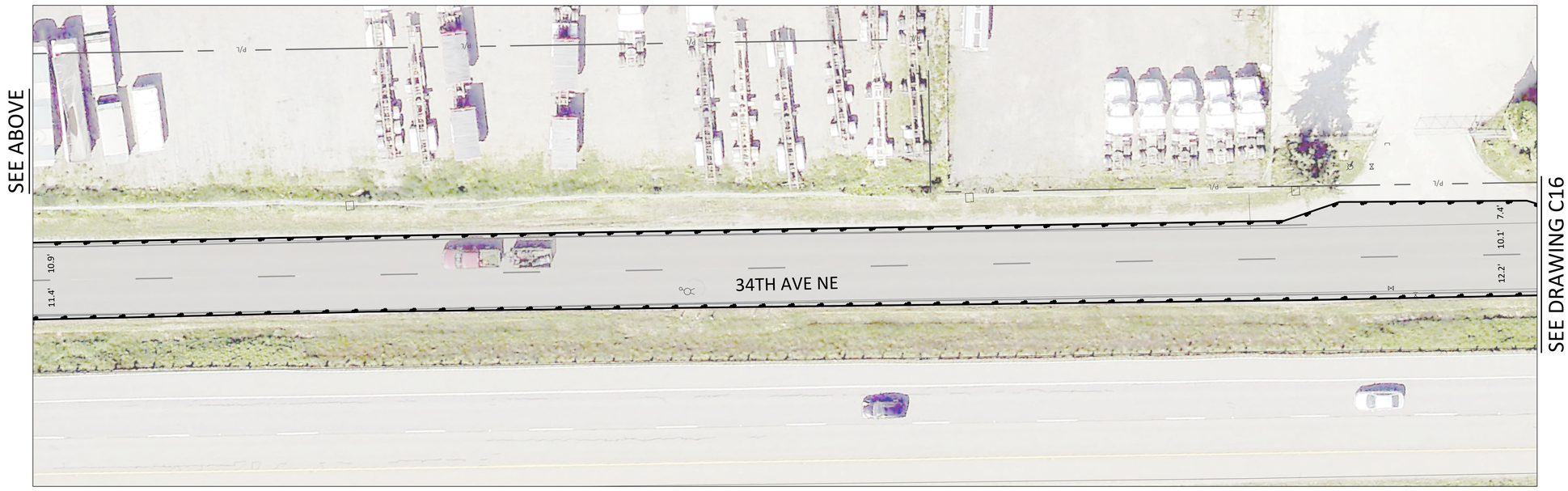
ROSS AVE TO SB SR 529 OFF RAMP

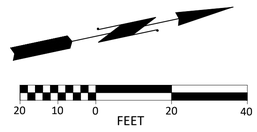
Drawing C14

Sheet No. 16 / 18 Of Total

PLAN

SCALE: 1"= 20'





NO.	DATE	APRVD	REVISION
P			PLANS ISSUED FOR

BID	3/26/2025	GSL	CONST			RECORD		
ACTION	DATE	APRVD	ACTION	DATE	APRVD	ACTION	DATE	APRVD

Designed: BED, GSL
Drawn: BED
Checked: DTE
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2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | STATE - **WA**

34TH AVE NE

ROSS AVE TO SB SR 529 OFF RAMP

Drawing: C15

Sheet No. 17 / 18 Of Total

PLAN

SCALE: 1"= 20'

20 10 0 20 40

FEET

NO.	DATE	APRVD	REVISION
			PLANS ISSUED FOR
BID	3/26/2025	GSL	CONST / RECORD
ACTION	DATE	APRVD	ACTION / DATE / APRVD

Designed BED, GSL
Drawn BED
Checked DTE
Design Review Level

DANIEL T. ENRICO — STATE OF WASHINGTON — 40811 — REGISTERED PROFESSIONAL ENGINEER

Digitally signed by Daniel Enrico, P.E.
Date: 2025.03.26 14:57:30-07'00'

EVERETT PUBLIC WORKS

3200 Cedar Street
Everett, WA 98201
425.257.8800 everettwa.gov

2025 PAVEMENT MAINTENANCE OVERLAY

WORK ORDER 3830

REGION - **10** | *STATE* - **WA**

34TH AVE NE

ROSS AVE TO SB SR 529 OFF RAMP

Drawing C16

Sheet No. 18 / 18 Of Total

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

Plot date 3/25/2025 2:25 PM Plotted by Brian Defreese Last saved by BDefreese Plot style Everett-2016.stb Sheetset Name 2025 PMO
File path\Filename S:\LCOMMON\ENGINEERING PROJECTS\PW 3830 2025 OVERLAY\300 CAD-BIM\SHEET\ROSS AVE TO SB SR 529 OFF RAMP.DWG