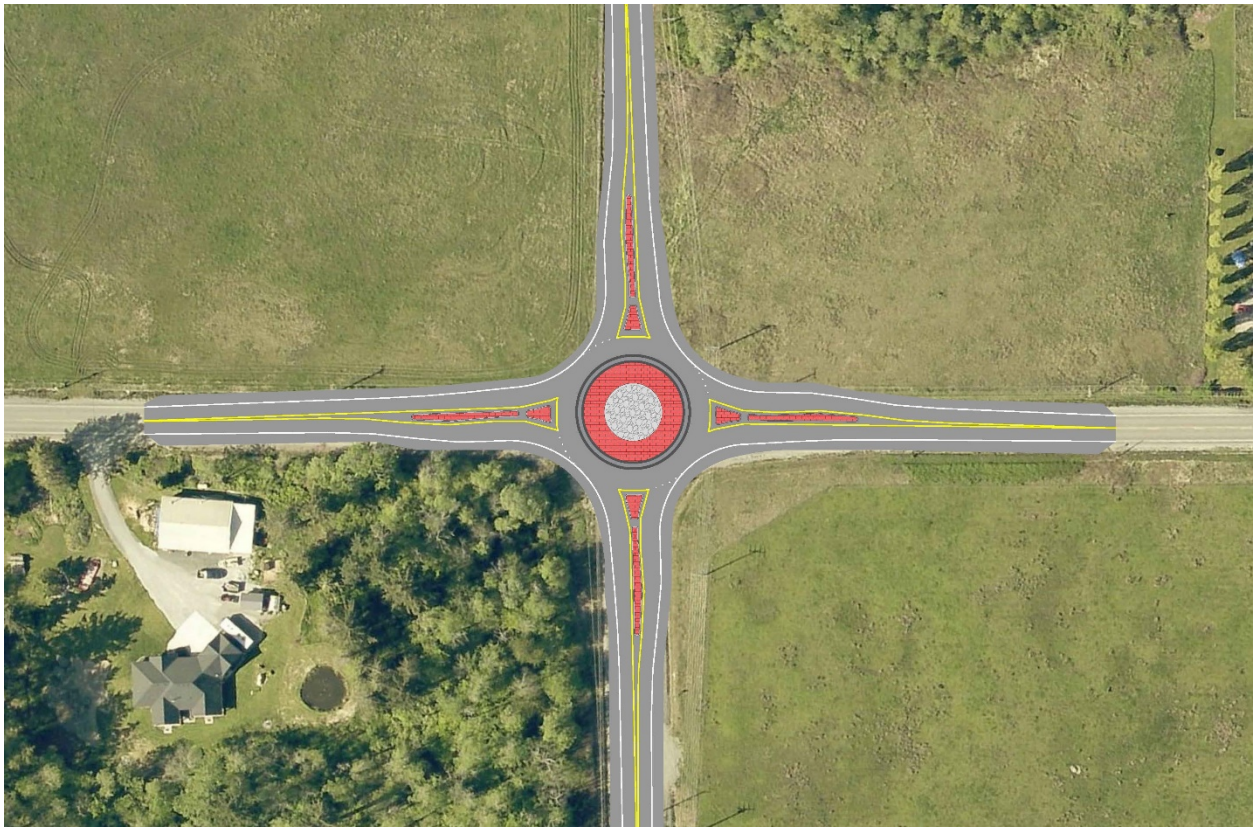
CONTRACT PROVISIONS and SPECIFICATIONS

FARM TO MARKET / JOSH WILSON INTERSECTION IMPROVEMENTS #ES31010-4

PUBLIC WORKS PROJECT
SKAGIT COUNTY PUBLIC WORKS

Farm to Market/Josh Wilson Intersection Improvements Project #ES31010-4

This Contract provides for the conversion of a stop-controlled intersection into a single-lane roundabout where Farm To Market Road and Josh Wilson Road meet. The work includes, but is not limited to: clearing and grubbing; roadway excavation incl. haul; crushed surfacing; grading; installation of a new roundabout island and apron; installation of new conc. Curb and gutter; installation of new storm culvert; placement of HMA Cl. ½"PG 58H-22; luminaire pole foundation form preparation and conduit installation; coordination with utility companies; surveying; temporary erosion control; traffic control; trimming and cleanup; and other work, in accordance with the attached Contract Plans, these Contract Provisions, and the 2021 WSDOT Standard Specifications for Road, Bridge, and Municipal Construction.



Schedule: All work is to be completed within 75 working days from Notice to Proceed.

Measurement & Payment: Each item will be per the bid proposal.

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENT
PROJECT #ES31010-4

SKAGIT COUNTY, WASHINGTON

2021
SKAGIT COUNTY
DEPARTMENT OF PUBLIC WORKS
MOUNT VERNON, WASHINGTON 98273-5625

NOTICE TO ALL PLAN HOLDERS

Copies of the Plans and specifications are available at Skagit County Public Works, 1800 Continental Place, Mount Vernon, Washington 98273-5625. Telephone: (360) 416-1400. You may receive the bid information electronically; copies of the plans and specifications are available at: http://www.skagitcounty.net/rfp

APPROVED:

Paul A. Randall-Grutter, P.E.
County Engineer

MAPS, PLANS, AND SPECIFICATIONS APPROVED:

BOARD OF COUNTY COMMISSIONERS
SKAGIT COUNTY, WASHINGTON

Lisa Janicki, Chair

Peter Browning, Commissioner

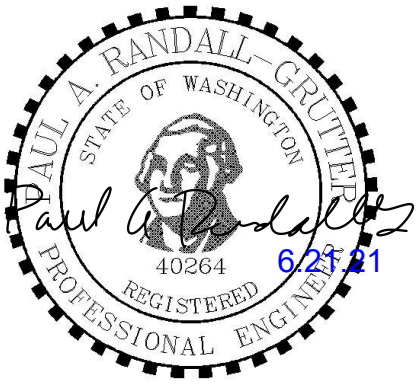
Ron Wessen, Commissioner

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS #ES31010-4

CERTIFICATION

We hereby certify that these contract documents were prepared by us or under our direct supervision, and that we are duly registered Professional Engineers under the laws of the State of Washington.

Engineer of Record



6/21/21

6/21/21

With the exception of Specifications 2-9
prepared by Century West Engineering

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS PROJECT #ES31010-4

CERTIFICATION

I hereby certify that these contract documents were prepared by us or under our direct supervision, and that we are duly registered Professional Engineers under the laws of the State of Washington.

Engineer of Record

Certification of Divisions 2-9

Glenn Chouinard, PE
Century West Engineering

NOTICE OF CALL FOR BIDS

NOTICE IS HEREBY GIVEN by SKAGIT COUNTY that sealed bids will be received and publicly opened in the Commissioners Hearing Room, 1800 Continental Place, Mount Vernon, WA 98273 on **Monday, July 19, 2021, at the hour of 2:30 p.m.,** or as soon thereafter as possible, for the following construction work:

PROJECT DESCRIPTION: Farm to Market / Josh Wilson Intersection Improvements Project #ES31010-4;

Attendance will be in-person or remote. For information on how to join the meeting remotely through your telephone or from your computer, tablet or smartphone, contact the Clerk of the Board at commissioners@co.skagit.wa.us or 360-416-1300.

This Contract provides for the conversion of a stop-controlled intersection into a single-lane roundabout where Farm To Market Road and Josh Wilson Road meet. The work includes, but is not limited to: clearing and grubbing; roadway excavation incl. haul; crushed surfacing; grading; installation of a new roundabout island and apron; installation of new conc. Curb and gutter; installation of new storm culvert; placement of HMA Cl. ½"PG 58H-22; luminaire pole foundation form preparation and conduit installation; coordination with utility companies; surveying; temporary erosion control; traffic control; trimming and cleanup; and other work, in accordance with the attached Contract Plans, these Contract Provisions, and the 2021 WSDOT Standard Specifications for Road, Bridge, and Municipal Construction.

The time limit for physical completion of work is a total of 75 WORKING DAYS. The Engineer's Estimate Range is $1.5M – 1.8M.

Contractor and all subcontractors shall have a contractor's license to work in the State of Washington.

Information, copies of maps, plans, specifications, and addenda for this project will be available on-line beginning **July 1, 2021** at http://www.skagitcounty.net/rfp or obtained at Skagit County Public Works Department, 1800 Continental Place, Mount Vernon, Washington; (360) 416-1400. Contractors who download plans and specifications are advised to e-mail brendao@co.skagit.wa.us to be added to plan holders list to receive any addenda that may be issued.

All technical questions regarding this project are to be submitted **no later than 12:00 p.m., Wednesday, July 7, 2021** in writing to Sonny Andrew, Project Manager, or by e-mail to sonnya@co.skagit.wa.us with the subject line reading, **"Farm to Market / Josh Wilson Intersection Improvements Project #ES31010-4".** All project specific questions and response to answers for this project will be available on-line as received. **All Addenda will be posted on-line for this project by 5:00 p.m. Friday, July 9, 2021**. If further Addenda are required to be issued, the bid opening will be postponed.

All bid envelopes must be plainly marked on the outside, **"Farm to Market / Josh Wilson Intersection Improvements Project #ES31010-4".** Sealed bids shall be received by one of the following delivery methods before **Monday, July 19, 2021 at the hour of 2:30 p.m**. Proposals are to be submitted on the forms provided in the Bid Proposal Packet. Incomplete proposals and proposals received after the time fixed for the opening cannot be considered. Oral, telephonic, telegraphic, electronic or faxed proposals will not be accepted. All bidding shall be based upon compliance with the Contract Provisions and Plans.

1. **Hand delivered**: Bids delivered in person shall be received only at the office of the SKAGIT COUNTY COMMISSIONERS, Reception Desk, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273-5625.
2. **Via mail**: Bids shall be mailed to the SKAGIT COUNTY COMMISSIONERS, 1800 Continental Place, Suite 100, Mount Vernon, WA 98273-5625.

BID GUARANTY: No bid will be considered unless accompanied by a surety company bid bond, or a certified or cashier's check payable to the order of Skagit County for a sum not less than five percent (5%) of the total amount of the bid. A Contract Bond covering performance and payment will be required with the contract. Washington State Prevailing Wage Rates apply to this contract and bidders are advised to consider this charge when tabulating bids.

Skagit County reserves the right to reject any or all bids, and the right to waive any informalities or irregularities in any bid or in any bidding and to further award the Project to the lowest, responsive, responsible bidder whose bid complies with all of the prescribed formalities, as it best serves the interest of Skagit County. After the date and hour set for the opening of bids, no bidder may withdraw its bid unless the award of the contract is delayed for a period exceeding sixty (60) calendar days following bid opening. All bidders agree to be bound by their bids until the expiration of this stated time period.

Skagit County, in accordance with Title VI of the Civil Rights act of 1964, 78 Stat. 252,42 U.S.C. 2000d to 2000d-4 and Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Nondiscrimination in Federally-assisted programs of the Department of Transportation issued pursuant to such Act, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises as defined at 49 CFR Part 26 will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, handicap/disabled, age in consideration for an award.

For questions regarding Skagit County's Title VI Program, you may contact the Public Works Department's Title VI Coordinator, Grace Kane, P.E., at (360) 416-1400.

The Board of Skagit County Commissioners reserves the right to reject any or all bids.

NOTICE GIVEN BY ORDER OF THE BOARD OF SKAGIT COUNTY COMMISSIONERS this 28 day of June 2021.

Clerk of the Board

Published: Skagit Valley Herald – **July 1st & 8th, 2021**

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INTRODUCTION TO THE SPECIAL PROVISIONS

(December 10, 2020 APWA GSP)

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2021 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 project-specific Special Provisions are not labeled as such. The GSPs are labeled under the headers of each GSP, with the effective date of the GSP and its source. For example:

(December 10, 2020 APWA GSP)
(September 8, 2020 WSDOT GSP)
(May 1, 2013 SkagitR GSP)

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/APWA, current edition

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

Division 1
General Requirements

Description of Work
(June 16, 2021)

This Contract provides for the conversion of a stop-controlled intersection into a single-lane roundabout where Farm to Market Road and Josh Wilson Road meet. The work includes, but is not limited to: clearing and grubbing; roadway excavation incl. haul; crushed surfacing; grading; installation of a new roundabout island and apron; installation of new conc. Curb and gutter; installation of new storm culvert; placement of HMA Cl. ½"PG 58H-22; luminaire pole foundation form preparation and conduit installation; coordination with utility companies; surveying; temporary erosion control; traffic control; trimming and cleanup; and other work, in accordance with the attached Contract Plans, these Contract Provisions, and the 2021 WSDOT Standard Specifications for Road, Bridge, and Municipal Construction.

1-01.3 Definitions
(January 4, 2016 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, Amendments, or WSDOT General Special Provisions, to the terms “Department of Transportation”, “Washington State Transportation Commission”, “Commission”, “Secretary of Transportation”, “Secretary”, “Headquarters”, and “State Treasurer” shall be revised to read “Contracting Agency”.

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

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

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

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

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

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

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

Contract Documents
See definition for “Contract”.

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

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

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

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

1-02 Bid Procedures and Conditions

1-02.1 Prequalification of Bidders

Delete this section and replace it with the following:

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

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

1-02.2 Plans and Specifications
(June 27, 2011 APWA GSP)

Delete this section and replace it with the following:

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

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

To Prime Contractor	No. of Sets	Basis of Distribution
Reduced plans (11" x 17")	6	Furnished automatically upon award.
Contract Provisions	6	Furnished automatically upon award.
Large plans (e.g., 24" x 36")	3	Furnished only upon request.
Electronic copy of Plans and Contract Provisions	1	Furnished automatically upon award.

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

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

1-02.4(1) General

(August 15, 2016 APWA GSP Option B)

The first sentence of the last paragraph is revised to read:

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

1-02.4(2) Subsurface Information

(March 8, 2013 APWA GSP)

The second sentence in the first paragraph is revised to read:

> The Summary of Geotechnical Conditions and the boring logs, <u>if and when included</u> as an appendix to the Special Provisions, shall be considered as part of the Contract.

1-02.5 Proposal Forms

(July 31, 2017 APWA GSP)

Delete this section and replace it with the following:

> The Proposal Form will identify the project and its location and describe the work. It will also list estimated quantities, units of measurement, the items of work, and the materials to be furnished at the unit bid prices. The bidder shall complete spaces on the proposal form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's UDBE/DBE/M/WBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be completed by typing or shall be printed in ink by hand, preferably in black ink. The required certifications are included as part of the Proposal Form.
>
> The Contracting Agency reserves the right to arrange the proposal forms with alternates and additives, if such be to the advantage of the Contracting Agency. The bidder shall bid on all alternates and additives set forth in the Proposal Form unless otherwise specified.

1-02.6 Preparation of Proposal

(July 11, 2018 APWA GSP)

Supplement the second paragraph with the following:

4. If a minimum bid amount has been established for any item, the unit or lump sum price must equal or exceed the minimum amount stated.
5. Any correction to a bid made by interlineation, alteration, or erasure, shall be initialed by the signer of the bid.

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

If no Subcontractor is listed, the Bidder acknowledges that it does not intend to use any Subcontractor to perform those items of work.

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

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

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

A bid by a partnership shall be executed in the partnership name, and signed by a partner. A copy of the partnership agreement shall be submitted with the Bid Form if any UDBE requirements are to be satisfied through such an agreement.

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

(August 2, 2004)
The fifth and sixth paragraphs of Section 1-02.6 are deleted.

Add the following new section:

1-02.6(1) Recycled Materials Proposal

(January 4, 2016 APWA GSP)

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

1-02.7 Bid Deposit

(March 8, 2013 APWA GSP)

Supplement this section with the following:

Bid bonds shall contain the following:

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

6. The signature of the surety's officer empowered to sign the bond and the power of attorney.

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

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

1-02.9 Delivery of Proposal

(July 14, 2016 SkagitR)

Delete Section 1-02.9 and replace it with the following:

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

The Contracting Agency will not open or consider any Bid Proposal that is received after the time specified in the Call for Bids for receipt of Bid Proposals, or received in a location other than that specified in the Call for Bids.

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.

1-02.12 Public Opening of Proposal

(July 14, 2016 SkagitR)

Section 1-02.12 is supplemented with the following:

Sealed bids shall be received at the time and location specified in the Call for Bids, unless modified by addenda.

1-02.13 Irregular Proposals

(October 1, 2020 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 authorized Proposal form furnished by the Contracting Agency is not used or is altered;
   c. The completed Proposal form contains any unauthorized additions, deletions, alternate Bids, or conditions;
   d. The Bidder adds provisions reserving the right to reject or accept the award, or enter into the Contract;
   e. A price per unit cannot be determined from the Bid Proposal;
   f. The Proposal form is not properly executed;
   g. The Bidder fails to submit or properly complete a Subcontractor list, if applicable, as required in Section 1-02.6;
   h. The Bidder fails to submit or properly complete a Disadvantaged Business Enterprise Certification, if applicable, as required in Section 1-02.6;
   i. The Bidder fails to submit written confirmation 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;
   j 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 was made;
   k. The Bidder fails to submit a DBE Bid Item Breakdown form, 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;
   l. The Bidder fails to submit DBE Trucking Credit Forms, 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;
   m. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation; or
   n. More than one Proposal is submitted for the same project from a Bidder under the same or different names.

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. Receipt of Addenda is not acknowledged;
d. 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
e. If Proposal form entries are not made in ink.

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 Pre Award Information

(August 14, 2013 APWA GSP)

Revise this section to read:

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

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

1-03 Award and Execution of Contract

1-03.1(1) Identical Bid Totals

(January 4, 2016 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 tiebreaker will be determined by drawing as follows: Two or more slips of paper will be marked as follows: one marked "Winner" and the other(s) marked "unsuccessful". The slips will be folded to make the marking unseen. The slips will be placed inside a box. One authorized representative of each Bidder shall draw a slip from the box. Bidders shall draw in alphabetic order by the name of the firm as registered with the Washington State Department of Licensing. The slips shall be unfolded and the firm with the slip marked "Winner" will be determined to be the successful Bidder and eligible for Award of the Contract. Only those Bidders who submitted a Bid total that is exactly equal to the lowest responsive Bid, and with a proposed recycled materials percentage that is exactly equal to the highest proposed recycled materials amount, are eligible to draw.

1-03.3 Execution of Contract

(October 1, 2005 APWA GSP)

Revise this section to read:

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 twenty-one (21) 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, and a satisfactory bond as required by law and Section 1-03.4. 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 ten (10) additional calendar days for return of the documents, provided the Contracting Agency deems the circumstances warrant it.

1-03.4 Contract Bond

(July 23, 2015 APWA GSP)

Delete the first paragraph and replace it with the following:

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

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

1-03.7 Judicial Review

(November 30, 2018 APWA GSP)

Revise this section to read:

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

1-04 Scope of the Work

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

(December 10, 2020 APWA GSP)

Revise the second paragraph to read:

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

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

1-05 Control of Work

(January 13, 2021)

Contractor Surveying - Roadway

The Contracting Agency has provided primary survey control in the Plans.

The Contractor shall be responsible for setting, maintaining, and resetting all alignment stakes, slope stakes, and grades necessary for the construction of the roadbed, drainage, surfacing, paving, channelization and pavement marking, illumination and signals, guardrails and barriers, and signing. Except for the survey control data to be furnished by the Contracting Agency, calculations, surveying, and measuring required for setting and maintaining the necessary lines and grades shall be the Contractor's responsibility.

The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans and construction activity may disturb or damage the monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length of the project or be replaced at the Contractors expense.

Detailed survey records shall be maintained, including a description of the work performed on each shift, the methods utilized, and the control points used. The record shall be adequate to allow the survey to be reproduced. A copy of each day's record shall be provided to the Engineer within three working days after the end of the shift.

The meaning of words and terms used in this provision shall be as listed in "Definitions of Surveying and Associated Terms" current edition, published by the American Congress on Surveying and Mapping and the American Society of Civil Engineers.

The survey work shall include but not be limited to the following:

1. Verify the primary horizontal and vertical control furnished by the Contracting Agency, and expand into secondary control by adding stakes and hubs as well as additional survey control needed for the project. Provide descriptions of

secondary control to the Contracting Agency. The description shall include coordinates and elevations of all secondary control points.

2. Establish, the centerlines of all alignments, by placing hubs, stakes, or marks on centerline or on offsets to centerline at all curve points (PCs, PTs, and PIs) and at points on the alignments spaced no further than 50 feet.

3. Establish clearing limits, placing stakes at all angle points and at intermediate points not more than 50 feet apart. The clearing and grubbing limits shall be 5 feet beyond the toe of a fill and 10 feet beyond the top of a cut unless otherwise shown in the Plans.

4. Establish grading limits, placing slope stakes at centerline increments not more than 50 feet apart. Establish offset reference to all slope stakes. If Global Positioning Satellite (GPS) Machine Controls are used to provide grade control, then slope stakes may be omitted at the discretion of the Contractor

5. Establish the horizontal and vertical location of all drainage features, placing offset stakes to all drainage structures and to pipes at a horizontal interval not greater than 25 feet.

6. Establish roadbed and surfacing elevations by placing stakes at the top of subgrade and at the top of each course of surfacing. Subgrade and surfacing stakes shall be set at horizontal intervals not greater than 50 feet in tangent sections, 25 feet in curve sections with a radius less than 300 feet, and at 10-foot intervals in intersection radii with a radius less than 10 feet. Transversely, stakes shall be placed at all locations where the roadway slope changes and at additional points such that the transverse spacing of stakes is not more than 12 feet. If GPS Machine Controls are used to provide grade control, then roadbed and surfacing stakes may be omitted at the discretion of the Contractor.

7. Establish intermediate elevation benchmarks as needed to check work throughout the project.

8. Provide references for paving pins at 25-foot intervals or provide simultaneous surveying to establish location and elevation of paving pins as they are being placed.

9. For all other types of construction included in this provision, (including but not limited to channelization and pavement marking, illumination and signals, guardrails and barriers, and signing) provide staking and layout as necessary to adequately locate, construct, and check the specific construction activity.

10. Contractor shall determine if changes are needed to the profiles or roadway sections shown in the Contract Plans in order to achieve proper smoothness and drainage where matching into existing features, such as a smooth transition from new pavement to existing pavement. The Contractor shall submit these changes to the Engineer for review and approval 10 days prior to the beginning of work.

The Contractor shall provide the Contracting Agency copies of any calculations and staking data when requested by the Engineer.

The Contractor shall ensure a surveying accuracy within the following tolerances:

	Vertical	Horizontal
Slope stakes	±0.10 feet	±0.10 feet
Subgrade grade stakes set 0.04 feet below grade	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Stationing on roadway	N/A	±0.1 feet
Alignment on roadway	N/A	±0.04 feet
Surfacing grade stakes	±0.01 feet	±0.5 feet (parallel to alignment) ±0.1 feet (normal to alignment)
Roadway paving pins for surfacing or paving	±0.01 feet	±0.2 feet (parallel to alignment) ±0.1 feet (normal to alignment)

The Contracting Agency may spot-check the Contractor's surveying. These spot-checks will not change the requirements for normal checking by the Contractor.

When staking roadway alignment and stationing, the Contractor shall perform independent checks from different secondary control to ensure that the points staked are within the specified survey accuracy tolerances.

The Contractor shall calculate coordinates for the alignment. The Contracting Agency will verify these coordinates prior to issuing approval to the Contractor for commencing with the work. The Contracting Agency will require up to seven calendar days from the date the data is received.

Contract work to be performed using contractor-provided stakes shall not begin until the stakes are approved by the Contracting Agency. Such approval shall not relieve the Contractor of responsibility for the accuracy of the stakes.

Stakes shall be marked in accordance with Standard Plan A10.10. When stakes are needed that are not described in the Plans, then those stakes shall be marked, at no additional cost to the Contracting Agency as ordered by the Engineer.

Payment

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

"Roadway Surveying", lump sum.

The lump sum contract price for "Roadway Surveying" shall be full pay for all labor, equipment, materials, and supervision utilized to perform the Work specified, including

any resurveying, checking, correction of errors, replacement of missing or damaged stakes, and coordination efforts.

(April 4, 2011)

Licensed Surveyors

The Contractor shall be responsible for reestablishing or locating legal survey markers such as GLO monuments or property corner monuments, conduct boundary surveys to determine Contracting Agency right-of-way locations, and obtain, review and analyze deeds and records as necessary to determine these boundaries. The Contracting Agency will provide "rights of entry" as needed by the Contractor to perform the work.

The Contractor shall brush out or clear and stake or mark the right-of-way lines as designated by the Engineer.

The Contractor shall inform the Engineer when monuments are discovered that were not identified in the Plans and construction activity may disturb or damage the monuments. All monuments noted on the plans "DO NOT DISTURB" shall be protected throughout the length of the project or be replaced at Contractors expense.

When required, the Contractor shall prepare and file a Record of Survey map in accordance with RCW 58.09 and provide a recorded copy to the Contracting Agency. The Contracting Agency will provide all existing base maps, existing horizontal and vertical control, and other material available with Washington State Plane Coordinate information to the Contractor. The Contracting Agency will also provide maps, plan sheets, and/or aerial photographs clearly identifying the limits of the areas to be surveyed. The Contractor shall establish Washington State Plane Coordinates on all points required in the Record of Survey and other points designated in the Contract documents.

Existing right of way documentation, existing base maps, existing horizontal and vertical control descriptions, maps, plan sheets, aerial photographs and all other available material may be viewed by prospective bidders at the office of the Engineer.

The Contractor shall perform all of the necessary calculations for the contracted survey work and shall provide copies of these calculations to the Contracting Agency. Electronic files of all survey data shall be provided and in a format acceptable to the Contracting Agency.

All survey work performed by the Contractor shall conform to all applicable sections of the Revised Code of Washington and the Washington Administrative Code.

The Contractor shall provide all traffic control, signing, and temporary traffic control devices in order to provide a safe work zone.

Payment

Payment will be made in accordance with Section 1-09.6 for the following bid item when included in the proposal:

"Licensed Surveying", Force Account.
For the purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount for the item "Licensed Surveying" in the bid proposal to become a part of the total bid by the Contractor.

1-05.7 Removal of Defective and Unauthorized Work

(October 1, 2005 APWA GSP)

Supplement this section with the following:

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

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

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

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

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

1-05.11 Final Inspection

Delete this section and replace it with the following:

1-05.11 Final Inspections and Operational Testing

(October 1, 2005 APWA GSP)

1-05.11(1) Substantial Completion Date

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

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

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

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

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

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

If action to correct the listed deficiencies is not initiated within 7 days after receipt of the written notice listing the deficiencies, the Engineer may, upon written notice to the Contractor, take whatever steps are necessary to correct those deficiencies pursuant to Section 1-05.7.
The Contractor will not be allowed an extension of contract time because of a delay in the performance of the work attributable to the exercise of the Engineer's right hereunder.

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

1-05.11(3) Operational Testing

It is the intent of the Contracting Agency to have at the Physical Completion Date a complete and operable system. Therefore when the work involves the installation of machinery or other mechanical equipment; street lighting, electrical distribution or signal systems; irrigation systems; buildings; or other similar work it may be desirable for the Engineer to have the Contractor operate and test the work for a period of time after final

inspection but prior to the physical completion date. Whenever items of work are listed in the Contract Provisions for operational testing they shall be fully tested under operating conditions for the time period specified to ensure their acceptability prior to the Physical Completion Date. During and following the test period, the Contractor shall correct any items of workmanship, materials, or equipment which prove faulty, or that are not in first class operating condition. Equipment, electrical controls, meters, or other devices and equipment to be tested during this period shall be tested under the observation of the Engineer, so that the Engineer may determine their suitability for the purpose for which they were installed. The Physical Completion Date cannot be established until testing and corrections have been completed to the satisfaction of the Engineer.

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

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

1-05.13 Superintendents, Labor and Equipment of Contractor

(August 14, 2013 APWA GSP)

Delete the sixth and seventh paragraphs of this section.

1-05.15 Method of Serving Notices

(March 25, 2009 APWA GSP)

Revise the second paragraph to read:

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

Add the following new section:

1-05.16 Water and Power

(October 1, 2005 APWA GSP)

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

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.

1-07.1 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.

(May 13, 2020)

COVID-19 Health and Safety Plan

In response to COVID-19, the Contractor shall prepare a project specific COVID-19 health and safety plan (CHSP) in conformance with Section 1-07.4(2) as supplemented in these specifications, **COVID-19 Health and Safety Plan (CHSP)**.

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).

1-07.4 Sanitation

1-07.4(1) General

(*July 14, 2016 SkagitR*)

Section 1-07.4(1) is supplemented with the following:

The Contractor shall provide employees with portable sanitary stations on site. These portable sanitary stations shall comply with all State Department of Health or other agency requirements; shall be kept clean, neat and sanitized; and shall not create any public nuisance.

(May 13, 2020)

COVID-19 Health and Safety Plan (CHSP)

The Contractor shall prepare a project specific COVID-19 health and safety plan (CHSP). The CHSP shall be prepared and submitted as a Type 2 Working Drawing prior to beginning physical Work. The CHSP shall be based on the most current State and Federal requirements. If the State or Federal requirements are revised, the CHSP shall be updated as necessary to conform to the current requirements.

The Contractor shall update and resubmit the CHSP as the work progresses and new activities appear on the look ahead schedule required under Section 1-08.3(2)D. If the conditions change on the project, or a particular activity, the Contractor shall update and resubmit the CHSP. Work on any activity shall cease if conditions prevent full compliance with the CHSP.

The CHSP shall address the health and safety of all people associated with the project including State workers in the field, Contractor personnel, consultants, project staff, subcontractors, suppliers and anyone on the project site, staging areas, or yards.

COVID-19 Health and Safety Plan (CHSP) Inspection

The Contractor shall grant full and unrestricted access to the Engineer for CHSP Inspections. The Engineer (or designee) will conduct periodic compliance inspections on the project site, staging areas, or yards to verify that any ongoing work activity is following the CHSP. If the Engineer becomes aware of a noncompliance

incident either through a site inspection or other means, the Contractor will be notified immediately (within 1 hour). The Contractor shall immediately remedy the noncompliance incident or suspend all or part of the associated work activity. The Contractor shall satisfy the Engineer that the noncompliance incident has been corrected before the suspension will end.

1-07.7 Load Limits

Section 1-07.7 is supplemented with the following:

(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.

1-07.11 Requirements for Nondiscrimination

(October 1, 2020 APWA GSP, Option A)

Supplement this section with the following:

Disadvantaged Business Enterprise Participation

The Disadvantaged Business Enterprise (DBE) requirements of 49 CFR Part 26 and USDOT's official interpretations (i.e., Questions & Answers) apply to this Contract. As such, the requirements of this Contract are to make affirmative efforts to solicit DBEs, provide information on who submitted a Bid or quote and to report DBE participation monthly as described elsewhere in these Contract Provisions. No preference will be included in the evaluation of Bids/Proposals, no minimum level of DBE participation shall be required as a Condition of Award and Bids/Proposals may not be rejected or considered non-responsive on that basis.

DBE Abbreviations and Definitions

Broker – A business firm that provides a bona fide service, such as professional, technical, consultant or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials, or supplies required for the performance of the Contract, or, persons/companies who arrange or expedite transactions.

Certified Business Description – Specific descriptions of work the DBE is certified to perform, as identified in the Certified Firm Directory, under the Vendor Information page.

Certified Firm Directory – A database of all Minority, Women, and Disadvantaged Business Enterprises. The on-line Directory is available to Contractors for their use in identifying and soliciting interest from DBE firms. The database is located under the Firm Certification section of the Diversity Management and Compliance System web page at: https://omwbe.diversitycompliance.com.

Commercially Useful Function (CUF)

49 CFR 26.55(c)(1) defines commercially useful function as: "*A DBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing,*

managing, and supervising the work involved. To perform a commercially useful function, the DBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself. To determine whether a DBE is performing a commercially useful function, you must evaluate the amount of work subcontracted, industry practices, whether the amount the firm is to be paid under the contract is commensurate with the work it is actually performing and the DBE credit claimed for its performance of the work, and other relevant factors."

Contract – For this Special Provision only, this definition supplements Section 1-01.3. 49 CFR 26.5 defines contract as: "… a legally binding relationship obligating a seller to furnish supplies or services (including, but not limited to, construction and professional services) and the buyer to pay for them. For purposes of this part, a lease is considered to be a contract."

Disadvantaged Business Enterprise (DBE) – A business firm certified by the Washington State Office of Minority and Women's Business Enterprises, as meeting the criteria outlined in 49 CFR 26 regarding DBE certification.

Force Account Work – Work measured and paid in accordance with Section 1-09.6.

Manufacturer (DBE) – A DBE firm that operates or maintains a factory or establishment that produces on the premises the materials, supplies, articles, or equipment required under the Contract. A DBE Manufacturer shall produce finished goods or products from raw or unfinished material or purchase and substantially alters goods and materials to make them suitable for construction use before reselling them.

Regular Dealer (DBE) – A DBE firm that owns, operates, or maintains a store, warehouse, or other establishment in which the materials or supplies required for the performance of a Contract are bought, kept in stock, and regularly sold to the public in the usual course of business. To be a Regular Dealer, the DBE firm must be an established regular business that engages in as its principal business and in its own name the purchase and sale of the products in question. A Regular Dealer in such items as steel, cement, gravel, stone, and petroleum products need not own, operate or maintain a place of business if it both owns and operates distribution equipment for the products. Any supplementing of regular dealers' own distribution equipment shall be by long-term formal lease agreements and not on an ad-hoc basis. Brokers, packagers, manufacturers' representatives, or other persons who arrange or expedite transactions shall not be regarded as Regular Dealers within the meaning of this definition.

DBE Goals

No DBE goals have been assigned as part of this Contract.

Affirmative Efforts to Solicit DBE Participation

The Contractor shall not discriminate on the grounds of race, color, sex, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. DBE firms shall have an equal

opportunity to compete for subcontracts in which the Contractor enters into pursuant to this Contract.

Contractors are encouraged to:

1. Advertise opportunities for Subcontractors or suppliers in a timely and reasonably designed manner to provide notice of the opportunity to DBEs capable of performing the Work. All advertisements should include a Contract Provision encouraging participation by DBE firms. This may be accomplished through general advertisements (e.g. newspapers, journals, etc.) or by soliciting Bids/Proposals directly from DBEs.

2. Establish delivery schedules that encourage participation by DBEs and other small businesses.

3. Participate with a DBE as a joint venture.

DBE Eligibility/Selection of DBEs for Reporting Purposes Only
Contractor may take credit for DBEs utilized on this Contract only if the firm is certified for the Work being performed, and the firm performs a commercially useful function (CUF).

Absent a mandatory goal, all DBE participation that is attained on this project will be considered as “race neutral” participation and shall be reported as such.

Crediting DBE Participation
All DBE Subcontractors shall be certified before the subcontract on which they are participating is executed.

Be advised that although a firm is listed in the directory, there are cases where the listed firm is in a temporary suspension status. The Contractor shall review the OMWBE Suspended DBE Firms list. A DBE firm that is included on this list may not enter into new contracts that count towards participation.

DBE participation is only credited upon payment to the DBE.

The following are some definitions of what may be counted as DBE participation.

DBE Prime Contractor
Only take credit for that portion of the total dollar value of the Contract equal to the distinct, clearly defined portion of the Work that the DBE Prime Contractor performs with its own forces and is certified to perform.

DBE Subcontractor
Only take credit for that portion of the total dollar value of the subcontract equal to the distinct, clearly defined portion of the Work that the DBE performs with its own forces. The value of work performed by the DBE includes the cost of supplies and materials purchased by the DBE and equipment leased by the DBE, for its work on the contract. Supplies, materials or equipment obtained by a DBE that are not utilized or incorporated in the contract work by the DBE will not be eligible for DBE credit.

The supplies, materials, and equipment purchased or leased from the Contractor or its affiliate, including any Contractor's resources available to DBE subcontractors at no cost, shall not be credited.

DBE credit will not be given in instances where the equipment lease includes the operator. The DBE is expected to operate the equipment used in the performance of its work under the contract with its own forces. Situations where equipment is leased and used by the DBE, but payment is deducted from the Contractor's payment to the DBE is not allowed.

If a DBE subcontracts a portion of the Work of its contract to another firm, the value of the subcontracted Work may be credited only if the DBE's Lower-Tier Subcontractor is also a DBE. Work subcontracted to a non-DBE shall not be credited.

Count expenditures toward race/gender-neutral participation only if the DBE is performing a CUF on the contract.

DBE Subcontract and Lower Tier Subcontract Documents

There must be a subcontract agreement that complies with 49 CFR Part 26 and fully describes the distinct elements of Work committed to be performed by the DBE. The subcontract agreement shall incorporate requirements of the primary Contract. Subcontract agreements of all tiers, including lease agreements shall be readily available at the project site for the Engineer review.

DBE Service Provider

The value of fees or commissions charged by a DBE Broker, a DBE behaving in a manner of a Broker, or another service provider for providing a bona fide service, such as professional, technical, consultant, managerial services, or for providing bonds or insurance specifically required for the performance of the contract will only be credited as DBE participation, if the fee/commission is determined by the Contracting Agency to be reasonable and the firm has performed a CUF.

Temporary Traffic Control

If the DBE firm is being utilized in the capacity of only "Flagging", the DBE firm must provide a Traffic Control Supervisor (TCS) and flagger, which are under the direct control of the DBE. The DBE firm shall also provide all flagging equipment (e.g. paddles, hard hats, and vests).

If the DBE firm is being utilized in the capacity of "Traffic Control Services", the DBE firm must provide a TCS, flaggers, and traffic control items (e.g., cones, barrels, signs, etc.) and be in total control of all items in implementing the traffic control for the project. In addition, if the DBE firm utilizes the Contractor's equipment, such as Transportable Attenuators and Portable Changeable Message Signs (PCMS) no DBE credit can be taken for supplying and operating the items.

Trucking

DBE trucking firm participation may only be credited as DBE participation for the value of the hauling services, not for the materials being hauled unless the trucking firm is also certified as a supplier. In situations where the DBE's work

is priced per ton, the value of the hauling service must be calculated separately from the value of the materials in order to determine DBE credit for hauling.

The DBE trucking firm must own and operate at least one licensed, insured and operational truck on the contract. The truck must be of the type that is necessary to perform the hauling duties required under the contract. The DBE receives credit for the value of the transportation services it provides on the Contract using trucks it owns or leases, licenses, insures, and operates with drivers it employs.

The DBE may lease additional trucks from another DBE firm. The Work that a DBE trucking firm performs with trucks it leases from other certified DBE trucking firms qualify for 100% DBE credit

The trucking Work subcontracted to any non-DBE trucking firm will not receive credit for Work done on the project. The DBE may lease trucks from a non-DBE truck leasing company, but can only receive credit as DBE participation if the DBE uses its own employees as drivers.

DBE credit for a truck broker is limited to the fee/commission that the DBE receives for arranging transportation services.

Truck registration and lease agreements shall be readily available at the project site for the Engineer review.

DBE Manufacturer and DBE Regular Dealer

One hundred percent (100%) of the cost of the manufactured product obtained from a DBE Manufacturer can count as DBE participation.

Sixty percent (60%) of the cost of materials or supplies purchased from a DBE Regular Dealer may be credited as DBE participation. If the role of the DBE Regular Dealer is determined to be that of a pass-through, then no DBE credit will be given for its services. If the role of the DBE Regular Dealer is determined to be that of a Broker, then DBE credit shall be limited to the fee or commission it receives for its services. Regular Dealer status and the amount of credit is determined on a Contract-by-Contract basis.

Regular Dealer DBE firms must be approved before being used on a project. The WSDOT Approved Regular Dealer list published on WSDOT's Office of Equal Opportunity (OEO) web site must include the specific project for which approval is being requested. The Regular Dealer must submit the Regular Dealer Status Request form a minimum of five days prior to being utilized on the specific project.

Purchase of materials or supplies from a DBE which is neither a manufacturer nor a regular dealer, (i.e. Broker) only the fees or commissions charged for assistance in the procurement of the materials and supplies, or fees or transportation charges for the delivery of materials or supplies required on a job site, can count as DBE participation provided the fees are not excessive as compared with fees customarily allowed for similar services. Documentation will be required to support the fee/commission charged by the DBE. The cost of the

materials and supplies themselves cannot be counted toward as DBE participation.

Note: Requests to be listed as a Regular Dealer will only be processed if the requesting firm is a material supplier certified by the Office of Minority and Women's Business Enterprises in a NAICS code that falls within the 42XXXX NAICS Wholesale code section.

Procedures Between Award and Execution

After Award and prior to Execution, the Contractor shall provide the additional information described below. Failure to comply shall result in the forfeiture of the Bidder's Proposal bond or deposit.

1. A list of all firms who submitted a bid or quote in attempt to participate in this project whether they were successful or not. Include the business name and mailing address.

   Note: The firms identified by the Contractor may be contacted by the Contracting Agency to solicit general information as follows: age of the firm and average of its gross annual receipts over the past three-years.

Procedures After Execution

Commercially Useful Function (CUF)

The Contractor may only take credit for the payments made for Work performed by a DBE that is determined to be performing a CUF. Payment must be commensurate with the work actually performed by the DBE. This applies to all DBEs performing Work on a project, whether or not the DBEs are COA, if the Contractor wants to receive credit for their participation. The Engineer will conduct CUF reviews to ascertain whether DBEs are performing a CUF. A DBE performs a CUF when it is carrying out its responsibilities of its contract by actually performing, managing, and supervising the Work involved. The DBE must be responsible for negotiating price; determining quality and quantity; ordering the material, installing (where applicable); and paying for the material itself. If a DBE does not perform "all" of these functions on a furnish-and-install contract, it has not performed a CUF and the cost of materials cannot be counted toward DBE COA Goal. Leasing of equipment from a leasing company is allowed. However, leasing/purchasing equipment from the Contractor is not allowed. Lease agreements shall be readily available for review by the Engineer.

In order for a DBE traffic control company to be considered to be performing a CUF, the DBE must be in control of its work inclusive of supervision. The DBE shall employ a Traffic Control Supervisor who is directly involved in the management and supervision of the traffic control employees and services.

The DBE does not perform a CUF if its role is limited to that of an extra participant in a transaction, contract, or project through which the funds are passed in order to obtain the appearance of DBE participation.

The following are some of the factors that the Engineer will use in determining whether a DBE trucking company is performing a CUF:

- The DBE shall be responsible for the management and supervision of the entire trucking operation for which it is responsible on the Contract. The owner demonstrates business related knowledge, shows up on site and is determined to be actively running the business.

- The DBE shall with its own workforce, operate at least one fully licensed, insured, and operational truck used on the Contract. The drivers of the trucks owned and leased by the DBE must be exclusively employed by the DBE and reflected on the DBE's payroll.

- Lease agreements for trucks shall indicate that the DBE has exclusive use of and control over the truck(s). This does not preclude the leased truck from working for others provided it is with the consent of the DBE and the lease provides the DBE absolute priority for use of the leased truck.

- Leased trucks shall display the name and identification number of the DBE.

Joint Checking

A joint check is a check between a Subcontractor and the Contractor to the supplier of materials/supplies. The check is issued by the Contractor as payer to the Subcontractor and the material supplier jointly for items to be incorporated into the project. The DBE must release the check to the supplier, while the Contractor acts solely as the guarantor.

A joint check agreement must be approved by the Engineer and requested by the DBE involved using the DBE Joint Check Request Form (form # 272-053) prior to its use. The form must accompany the DBE Joint Check Agreement between the parties involved, including the conditions of the arrangement and expected use of the joint checks.

The approval to use joint checks and the use will be closely monitored by the Engineer. To receive DBE credit for performing a CUF with respect to obtaining materials and supplies, a DBE must "be responsible for negotiating price, determining quality and quantity, ordering the material and installing and paying for the material itself." The Contractor shall submit DBE Joint Check Request Form for the Engineer approval prior to using a joint check.

Material costs paid by the Contractor directly to the material supplier is not allowed. If proper procedures are not followed or the Engineer determines that the arrangement results in lack of independence for the DBE involved, no DBE credit will be given for the DBE's participation as it relates to the material cost.

Prompt Payment

Prompt payment to all subcontractors shall be in accordance with Section 1-08.1. Prompt Payment requirements apply to progress payments as well as return of retainage.

Reporting
The Contractor and all subcontractors/suppliers/service providers that utilize DBEs to perform work on the project, shall maintain appropriate records that will enable the Engineer to verify DBE participation throughout the life of the project.

Refer to Section 1-08.1 for additional reporting requirements associated with this Contract.

Decertification
When a DBE is "decertified" from the DBE program during the course of the Contract, the participation of that DBE shall continue to count as DBE participation as long as the subcontract with the DBE was executed prior to the decertification notice. The Contractor is obligated to substitute when a DBE does not have an executed subcontract agreement at the time of decertification.

Consequences of Non-Compliance
Each contract with a Contractor (and each subcontract the Contractor signs with a Subcontractor) must include the following assurance clause:

The Contractor, subrecipient, or Subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

(1) Withholding monthly progress payments;

(2) Assessing sanctions;

(3) Liquidated damages; and/or

(4) Disqualifying the Contractor from future bidding as non-responsible.

Payment
Compensation for all costs involved with complying with the conditions of this Specification and any other associated DBE requirements is included in payment for the associated Contract items of Work, except otherwise provided in the Specifications.

1-07.13 Contractor's Responsibility for Work

1-07.13(4) Repair of Damage

Section 1-07.13(4) is revised to read:

(August 6, 2001)
The Contractor shall promptly repair all damage to either temporary or permanent work as directed by the Engineer. For damage qualifying for relief under Sections 1-07.13(1), 1-07.13(2) or 1-07.13(3), payment will be made in accordance with Section

1-04.4. Payment will be limited to repair of damaged work only. No payment will be made for delay or disruption of work.

1-07.17 Utilities and Similar Facilities

Section 1-07.17 is supplemented with the following:

(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:
***

Puget Sound Energy
Contact: Jane Major
1660 Park Lane, Burlington, WA 98233
(360) 766-5571
jane.major@pse.com

Public Utility District No. 1 of Skagit County
Contact: Mike Demers
demers@skagitpud.org
1415 Freeway Drive Mount Vernon, WA. 98273
Office and Emergency: (360) 424-7104

Ziply Fiber
Contact: Dennis Keller
595 Pease Road Burlington, WA 98233
Office: (425) 283-1078
Dennis.keller@ziply.com

Quest Local Network
Contact: Gary for locates (206) 473-0736 or Scott (360) 441-2913

Comcast
Contact: Bill Inama
400 Sequoia Drive, Bellingham, WA 98226
(360) 527-8243
Binama@cable.comcast.com

Wave Broadband
Fiber:
Contact: Mike Robles
511 Morris St #2, La Conner, WA 98257
(360) 656-5683
mrobles@wavebroadband.com

Cable:
Contact: Gary Vervalin
511 Morris St #2, La Conner, WA 98257
(360) 630-8499
gvervalin@wavebroadband.com

Cascade Natural Gas
Contact: Matthew Johnson – Field Operations Coordinator
1520 S 2nd Street, Mount Vernon, WA 98273
(360) 336-3910
Matthew.Johnson@cngc.com

CenturyLink (Lumen) Fiber
Contact: Carson Vizina
Office: (360) 228-7257
Carson.vizina@lumen.com

Contact: Michael Freeman
Office: (253) 525-4469
Michael.Freeman@centurylink.com

Utility Location Center (One Call Center) (800) 424-5555 ***
***

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, 2016 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.

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 not satisfy these requirements – actual endorsements must be submitted.

Upon request by the Contracting Agency, the Contractor shall forward to the Contracting Agency a full and certified copy of the insurance policy(s). If Builders Risk insurance is required on this Project, a full and certified copy of that policy is required when the Contractor delivers the signed Contract for the work.

1-07.18(5) Coverages and Limits

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

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

1-07.18(5)A Commercial General Liability

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

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

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

Such policy must provide the following minimum limits:

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

1-07.18(5)B Automobile Liability

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

Such policy must provide the following minimum limit:

$1,000,000	Combined single limit each accident

1-07.18(5)C Workers' Compensation

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

1-07.23 Public Convenience and Safety-

Construction Under Traffic

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

(February 3, 2020)

Work Zone Clear Zone

The Work Zone Clear Zone (WZCZ) applies during working and nonworking hours. The WZCZ applies only to temporary roadside objects introduced by the Contractor's operations and does not apply to preexisting conditions or permanent Work. Those work operations that are actively in progress shall be in accordance with adopted and approved Traffic Control Plans, and other contract requirements.

During nonworking hours equipment or materials shall not be within the WZCZ unless they are protected by permanent guardrail or temporary concrete barrier. The use of temporary concrete barrier shall be permitted only if the Engineer approves the installation and location.

During actual hours of work, unless protected as described above, only materials absolutely necessary to construction shall be within the WZCZ and only construction vehicles absolutely necessary to construction shall be allowed within the WZCZ or allowed to stop or park on the shoulder of the roadway.

The Contractor's nonessential vehicles and employees' private vehicles shall not be permitted to park within the WZCZ at any time unless protected as described above.

Deviation from the above requirements shall not occur unless the Contractor has requested the deviation in writing and the Engineer has provided written approval.

Minimum WZCZ distances are measured from the edge of traveled way and will be determined as follows:

Regulatory Posted Speed	Distance From Traveled Way (Feet)
35 mph or less	10
40 mph	15
45 to 50 mph	20
55 to 60 mph	30
65 mph or greater	35

Minimum Work Zone Clear Zone Distance

1-08 Prosecution and Progress

Add the following new section:

1-08.0 Preliminary Matters

(May 25, 2006 APWA GSP)

1-08.0(1) Preconstruction Conference

(October 10, 2008 APWA GSP)

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

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To establish normal working hours for the work;
5. To review safety standards and traffic control; and
6. To discuss such other related items as may be pertinent to the work.

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

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

Add the following new section:

1-08.0(2) Hours of Work

(December 8, 2014 APWA GSP)

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

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

If the Contractor wishes to deviate from the established working hours, the Contractor shall submit a written request to the Engineer for consideration. This request shall state what hours are being requested, and why. Requests shall be submitted for review no later than five (5) days prior to the day(s) the Contractor is requesting to change the hours.

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

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

1-08.1 Subcontracting

(December 19, 2019 APWA GSP, Option A)

Prior to any subcontractor or lower tier subcontractor beginning work, the Contractor shall submit to the Engineer a certification (WSDOT Form 420-004) that a written agreement between the Contractor and the subcontractor or between the subcontractor and any lower tier subcontractor has been executed. This certification shall also guarantee that these

subcontract agreements include all the documents required by the Special Provision Federal Agency Inspection.

A Subcontractor or lower tier Subcontractor will not be permitted to perform any work under the contract until the following documents have been completed and submitted to the Engineer:

1. Request to Sublet Work (WSDOT Form 421-012), and
2. Contractor and Subcontractor or Lower Tier Subcontractor Certification for Federal-aid Projects (WSDOT Form 420-004).

The Contractor shall submit to the Engineer a completed Monthly Retainage Report (WSDOT Form 272-065) within 15 calendar days after receipt of every monthly progress payment until every Subcontractor and lower tier Subcontractor's retainage has been released.

The ninth paragraph, beginning with "On all projects, …" is revised to read:

The Contractor shall certify to the actual amount received from the Contracting Agency and amounts paid to all firms that were used as Subcontractors, lower tier subcontractors, manufacturers, regular dealers, or service providers on the Contract. This includes all Disadvantaged, Minority, Small, Veteran or Women's Business Enterprise firms. This Certification shall be submitted to the Engineer on a monthly basis each month between Execution of the Contract and Physical Completion of the Contract using the application available at: https://wsdot.diversitycompliance.com. A monthly report shall be submitted for every month between Execution of the Contract and Physical Completion regardless of whether payments were made or work occurred.

1-08.1 Subcontracting

(May 30, 2019 APWA GSP, Option B)

Delete the ninth paragraph, beginning with "On all projects, the Contractor shall certify…".

1-08.3(2)B Type B Progress Schedule

(March 13, 2012 APWA GSP)

Revise the first paragraph to read:

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

Revise the first sentence of the second paragraph to read:

The Contractor shall submit 3 copies of a Type B Progress Schedule depicting the entire project no later than 21-calendar days after the preconstruction conference.

1-08.4 Prosecution of Work

Delete this section and replace it with the following:

1-08.4 Notice to Proceed and Prosecution of Work

(July 23, 2015 APWA GSP)

Notice to Proceed will be given after the contract has been executed and the contract bond and evidence of insurance have been approved and filed by the Contracting Agency. The Contractor shall not commence with the work until the Notice to Proceed has been given by the Engineer. The Contractor shall commence construction activities on the project site within ten days of the Notice to Proceed Date, unless otherwise approved in writing. The Contractor shall diligently pursue the work to the physical completion date within the time specified in the contract. Voluntary shutdown or slowing of operations by the Contractor shall not relieve the Contractor of the responsibility to complete the work within the time(s) specified in the contract.

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

1-08.5 Time for Completion

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

(March 13, 1995)
This project shall be physically completed within *** seventy five (75) *** working days.

1-08.5 Time for Completion

(November 30, 2018 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 any partial or whole day the Engineer declares as unworkable. Within 10 calendar days after the date of each statement, the Contractor shall file a written protest of any alleged discrepancies in it. To be considered by the Engineer, the protest shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of time disputed. By not filing such detailed protest in that period, the Contractor shall be deemed as having accepted the statement as correct. If the Contractor is approved to work 10 hours a day and 4 days a week (a 4-10

schedule) and the fifth day of the week in which a 4-10 shift is worked would ordinarily be charged as a working day then the fifth day of that week will be charged as a working day whether or not the Contractor works on that day.

Revise the sixth paragraph to read:

The Engineer will give the Contractor written notice of the completion date of the contract after all the Contractor's obligations under the contract have been performed by the Contractor. The following events must occur before the Completion Date can be established:

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

1-08.9 Liquidated Damages

Section 1-08.9 is revised to read:

1-08.9 Liquidated Damages

(March 3, 2021 APWA GSP, Option B)

Revise the second and third paragraphs to read:

Accordingly, the Contractor agrees:

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

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

Liquidated Damages Formula

LD=0.15C/T

Where:

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

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

1-09 Measurement and Payment

1-09.2 Weighing Equipment

1-09.2(1) General Requirements for Weighing Equipment

(July 23, 2015 APWA GSP, Option 2)

Revise item 4 of the fifth paragraph to read:

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

1-09.2(5) Measurement

(May 2, 2017 APWA GSP)

Revise the first paragraph to read:

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

1-09.6 Force Account

(October 10, 2008 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 Engineer.

1-09.6 Force Account

(July 14, 2016 SkagitR)

Section 1-09.6 is supplemented with the following:

Payment for unanticipated work performed during construction will be made using the below listed estimated bid items when they are included in the bid proposal:

"Unanticipated Underground Conflicts"
The Unanticipated Underground Conflicts bid item is to be used for potholing and when unanticipated underground conflicts occur that differ from the design. Engineer approval will be required prior to performing the work.

"Unanticipated Minor Structure Revisions"
The Unanticipated Minor Structure Revisions bid item is to be used when minor structural revisions are required due to unanticipated conflicts in the structural design. Engineer approval will be required prior to performing the work.

"Unanticipated Dewatering"
The Unanticipated Dewatering bid item is to be used when unanticipated ground water impacts the site work. Engineer approval will be required prior to performing the work.

"Unanticipated Unsuitable Subgrade Repair"
The Unanticipated Unsuitable Subgrade Repair bid item is to be used when unsuitable sub-grade material is encountered requiring over-excavation and repair. Engineer approval will be required prior to performing the work.

"Unanticipated Repair/Restoration of Public and Private Facilities"
The Unanticipated Repair/Restoration of Public and Private Facilities bid item is to be used when unanticipated property damage occurs through no fault of the Contractor or Contracting Agency. Engineer approval will be required prior to performing the work.

1-09.11(3) Time Limitation and Jurisdiction

(November 30, 2018 APWA GSP)

Revise this section to read*:*

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

1-09.13(3) Claims $250,000 or Less

(October 1, 2005 APWA GSP)

Delete this section and replace it with the following:

The Contractor and the Contracting Agency mutually agree that those claims that total $250,000 or less, submitted in accordance with Section 1-09.11 and not resolved by nonbinding ADR processes, shall be resolved through litigation unless the parties mutually agree in writing to resolve the claim through binding arbitration.

1-09.13(3)A Administration of Arbitration

(November 30, 2018 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 <u>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</u>. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

1-10 Temporary Traffic Control

1-10.2 Traffic Control Management

1-10.2(1) General

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

(January 3, 2017)
Only training with WSDOT TCS card and WSDOT training curriculum is recognized in the State of Washington. 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

Evergreen Safety Council
12545 135th Ave. NE
Kirkland, WA 98034-8709
1-800-521-0778

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

1-10 Temporary Traffic Control

(May 26, 2020)

Section 1-10.3 is supplemented with the following:

Per WSDOT Construction Bulletin #2020-01R1, any currently certified Flagger or Traffic Control Supervisor whose certification expired on or after February 28, 2020 will be allowed to continue working with the expired certification until further notice.

It is recommended that traffic control personnel get certified or recertified as soon as practicable as the Department of Occupational Safety and Health directive 1.60 may be rescinded at any time as COVID-19 restrictions are lifted.

Division 2
Earthwork

2-02 Removal of Structures and Obstructions

2-02.3 Construction Requirements

Section 2-02.3 is supplemented with the following:

(February 17, 1998)

Removal of Obstructions

Culvert pipe
Traffic Signs
Existing asphalt pavement

Division 5
Surface Treatments and Pavements

5-04 Hot Mix Asphalt

(July 18, 2018 APWA GSP)

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

5-04.1 Description

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

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

5-04.2 Materials

Materials shall meet the requirements of the following sections:

Asphalt Binder	9-02.1(4)
Cationic Emulsified Asphalt	9-02.1(6)
Anti-Stripping Additive	9-02.4
HMA Additive	9-02.5
Aggregates	9-03.8
Recycled Asphalt Pavement	9-03.8(3)B
Mineral Filler	9-03.8(5)
Recycled Material	9-03.21
Portland Cement	9-01
Sand	9-03.1(2)
(As noted in 5-04.3(5)C for crack sealing)	
Joint Sealant	9-04.2
Foam Backer Rod	9-04.2(3)A

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

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

The Contractor may use up to 20 percent RAP by total weight of HMA with no additional sampling or testing of the RAP. The RAP shall be sampled and tested at a frequency of one sample for every 1,000 tons produced and not less than ten samples per project. The asphalt content and gradation test data shall be reported to the Contracting Agency when submitting the mix design for approval on the QPL. The Contractor shall include the RAP as part of the mix design as defined in these Specifications.

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

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

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

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

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

5-04.2(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, and pavement repair. Other nonstructural applications of HMA accepted by commercial evaluation shall be as approved by the Project Engineer. Sampling and testing of HMA accepted by commercial evaluation will be at the option of the Project Engineer. The Proposal quantity of HMA that is accepted by commercial evaluation will be excluded from the quantities used in the determination of nonstatistical evaluation.

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

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

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

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

Mix designs for HMA accepted by Nonstatistical evaluation shall;

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

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

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

For the Bid Item Commercial HMA, the Contractor shall select a class of HMA and design level of Equivalent Single Axle Loads (ESAL's) appropriate for the required use.

5-04.2(2)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)E Rollers

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

5-04.3(4) Preparation of Existing Paved Surfaces

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

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

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

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

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

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

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

5-04.3(4)A Crack Sealing

5-04.3(4)A1 General

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

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

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

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

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

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

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

Hot Poured Sealant: For cracks that are to be filled with hot poured sealant, apply the material in accordance with these requirements and the manufacturer's recommendations. Furnish a Type 1 Working Drawing of the manufacturer's product information and recommendations to the Engineer prior to the start of work, including the

manufacturer's recommended heating time and temperatures, allowable storage time and temperatures after initial heating, allowable reheating criteria, and application temperature range. Confine hot poured sealant material within the crack. Clean any overflow of sealant from the pavement surface. If, in the opinion of the Engineer, the Contractor's method of sealing the cracks with hot poured sealant results in an excessive amount of material on the pavement surface, stop and correct the operation to eliminate the excess material.

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

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

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

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

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

5-04.3(4)B Vacant

5-04.3(4)C Pavement Repair

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

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

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

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

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

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

5-04.3(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 Con**tent – The Engineer may order or approve changes to asphalt binder content. The maximum adjustment from the approved mix design for the asphalt binder content shall be 0.3 percent

5-04.3(9)A Vacant

5-04.3(9)B Vacant

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

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

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

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

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

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

5-04.3(9)C2 Mixture Nonstatistical Evaluation Sampling

Samples for acceptance testing shall be obtained by the Contractor when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with 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 Composite Pay Factor (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 Composite Pay Factor (CPF) using the following price adjustment factors:

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

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

5-04.3(9)C5 Vacant

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

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

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

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

The Contractor may request a sublot be retested. To request a retest, the Contractor shall submit a written request within 7 calendar days after the specific test results have been received. A split of the original acceptance sample will be retested. The split of the sample will not be tested with the same tester that ran the original acceptance test. The sample will be tested for a complete gradation analysis, asphalt binder content, and, at the option of the agency, 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 Composite Pay Factor (CPF).

5-04.3(10) HMA Compaction Acceptance

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, ramps, truck climbing, weaving, and speed change, and having a specified compacted course thickness greater than 0.10-foot, shall be compacted to a specified level of relative density. The specified level of relative density shall be a Composite Pay Factor (CPF) of not less than 0.75 when evaluated in accordance with Section 1-06.2, using a LSL of 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 Composite Pay Factor (CPF) of a lot in progress drops below 1.00 and the Contractor is taking no corrective action, or
2. When the Pay Factor (PF) for any constituent of a lot in progress drops below 0.95 and the Contractor is taking no corrective action, or
3. When either the PFi for any constituent or the CPF of a lot in progress is less than 0.75.

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

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

5-04.3(12) Joints

5-04.3(12)A HMA Joints

5-04.3(12)A1 Transverse Joints

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

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

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

5-04.3(12)A2 Longitudinal Joints

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

5-04.3(12)B Bridge Paving Joint Seals

5-04.3(12)B1 HMA Sawcut and Seal

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

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

Construct the bridge paving joint seal as specified ion the Plans and in accordance with the detail shown in the Standard Plans. Construct the sawcut in accordance with the

detail shown in the Standard Plan. Construct the sawcut in accordance with Section 5-05.3(8)B and the manufacturer's application procedure.

5-04.3(12)B2 Paved Panel Joint Seal

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

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

5-04.3(13) Surface Smoothness

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

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

1. Removal of material from high places by grinding with an approved grinding machine, or
2. Removal and replacement of the wearing course of HMA, or
3. By other method approved by the Engineer.

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

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

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

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

5-04.3(14) Planing (Milling) Bituminous Pavement

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

Locations of existing surfacing to be planed are as shown in the Drawings.

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

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

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

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

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

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

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

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

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

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

Should such metal be identified, promptly notify the Engineer.

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

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

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

5-04.3(14)B1 General

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

1. Intersections:
   a. Keep intersections open to traffic at all times, except when paving or planing operations through an intersection requires closure. Such closure must be kept to the minimum time required to place and compact the HMA mixture, or plane as appropriate. For paving, schedule such closure to individual lanes or portions thereof that allows the traffic volumes and schedule of traffic volumes required in the approved traffic control plan. Schedule work so that adjacent intersections are not impacted at the same time and comply with the traffic control restrictions required by the Traffic Engineer. Each individual intersection closure or partial closure, must be addressed in the traffic control plan, which must be submitted to and accepted by the Engineer, see Section 1-10.2(2).
   b. When planing or paving and related construction must occur in an intersection, consider scheduling and sequencing such work into quarters of the intersection, or half or more of an intersection with side street detours. Be prepared to sequence the work to individual lanes or portions thereof.
   c. Should closure of the intersection in its entirety be necessary, and no trolley service is impacted, keep such closure to the minimum time required to place and compact the HMA mixture, plane, remove asphalt, tack coat, and as needed.
   d. Any work in an intersection requires advance warning in both signage and a number of Working Days advance notice as determined by the Engineer, to alert traffic and emergency services of the intersection closure or partial closure.
   e. Allow new compacted HMA asphalt to cool to ambient temperature before any traffic is allowed on it. Traffic is not allowed on newly placed asphalt until approval has been obtained from the Engineer.
2. Temporary centerline marking, post-paving temporary marking, temporary stop bars, and maintaining temporary pavement marking must comply with Section 8-23.
3. Permanent pavement marking must comply with Section 8-22.

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

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

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

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

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

1. A copy of the accepted traffic control plan, see Section 1-10.2(2), detailing each day's traffic control as it relates to the specific requirements of that day's planing and paving. Briefly describe the sequencing of traffic control consistent with the proposed planing and paving sequence, and scheduling of placement of temporary pavement markings and channelizing devices after each day's planing, and paving.
2. A copy of each intersection's traffic control plan.
3. Haul routes from Supplier facilities, and locations of temporary parking and staging areas, including return routes. Describe the complete round trip as it relates to the sequencing of paving operations.
4. Names and locations of HMA Supplier facilities to be used.
5. List of all equipment to be used for paving.
6. List of personnel and associated job classification assigned to each piece of paving equipment.
7. Description (geometric or narrative) of the scheduled sequence of planing and of paving, and intended area of planing and of paving for each day's work, must include the directions of proposed planing and of proposed paving, sequence of adjacent lane paving, sequence of skipped lane paving, intersection planing and paving scheduling and sequencing, and proposed notifications and 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, Metro 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 Paving Plan and for Planing Plan:
    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, to public convenience and safety, and to other contractors who may operate in the Project Site.
    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 to 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 planning, see 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 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 equipment as it relates to meeting Specification requirements.
    c. Number of JMFs to be placed, and if more than one JMF how the Contractor will ensure different JMFs are distinguished, how pavers and MTVs are

distinguished if more than one JMF is being placed at the time, 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

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

5-04.4 Measurement

HMA Cl. 1/2" PG 58H-22 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.

5-04.5 Payment

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

"HMA Cl. 1/2" PG 58H-22", per ton.

The unit Contract price per ton for "HMA Cl. 1/2" PG 58H-22" 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.

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

7-02 Culvert Pipe

7-02.5 Payment

(******)

This section is supplemented with the following:

"Cement Concrete Pipe Arch 13.5"x22" Diam." Per linear foot.
"Flared End Section 13.5"x22" Diam." Per each.

7-05 Manholes, Inlets, Catch Basins, and Drywells

7-05.5 Payment

(******)

This section is supplemented with the following:

"Modified Catch Basin Type 2", per each.

Division 8
Miscellaneous Construction

8-01 Erosion Control and Water Pollution Control

8-01.1 Description

Item 1C of Section 8-01.1(1) is revised to read:

(February 25, 2021)
May be neutralized and discharged to surface waters or neutralized and infiltrated.

8-01.5(2) **Item Bids** is replaced with the following:

"ESC Lead", per day.

"Turbidity Curtain", per linear foot.
"Erosion Control Blanket", per square yard. "Plastic Covering", per square yard. "Check Dam", per linear foot.
"Inlet Protection", per each.

"Gravel Filter Berm", per linear foot.

"Stabilized Construction Entrance", per square yard. "Street Cleaning", per hour.
"Silt Fence", per linear foot.

<u>"High Visibility Silt Fence" per linear foot.</u>

"Wood Chip Berm", per linear foot. "Compost Berm", per linear foot.
"Wattle", per linear foot.
"Compost Sock", per linear foot. "Coir Log", per linear foot.
"Temporary Curb", per linear foot.
"Temporary Pipe Slope Drain", per linear foot. "Temporary Seeding", per acre.
"Temporary Mulching", per acre. "Compost Blanket", per square yard. "Outlet Protection", per each.
"Tackifier", per acre.
"Erosion/Water Pollution Control", by force account as provided in Section 1-09.6.

Maintenance and removal of erosion and water pollution control devices including removal and disposal of sediment, stabilization and rehabilitation of soil disturbed by these activities, and any additional Work deemed necessary by the Engineer to control erosion and water pollution will be paid by force account in accordance with 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.

8-02 Roadside Restoration

8-02.1 Description

Section 8-02.1 is supplemented with the following:

This Work described as "Landscaping" consists of furnishing and placing Streambed Cobbles and Streambed Boulders at the locations and depth as shown in the Plans.

8-02.2 Materials

(******)

This section is supplemented with the following:

Streambed Cobbles 6"-8" 9-03.11
Streambed Boulders 18"-24" 9-03.11

8-02.3 Construction Requirements

Section 8-02.3 is supplemented with the following:

Streambed Cobbles shall be placed evenly and to the depth shown on the plans. Streambed Cobbles shall be in accordance with Section 9-03.11(2) of WSDOT's Standard Specifications for Road, Bridge, and Municipal Construction.

Streambed Boulders shall be placed evenly and to the depth shown on the plans. Streambed Boulders shall be in accordance with Section 9-03.11(3) of WSDOT's Standard Specifications for Road, Bridge, and Municipal Construction.

8-02.3(9) Seeding, Fertilizing, and Mulching

8-02.3(9)B Seeding and Fertilizing

Section 8-02.3(9)B is supplemented with the following:

(September 3, 2019)
Seed of the following mix, rate, and analysis shall be applied at the rates shown below on all areas requiring seeding within the project:

Seed by Common Name, (Botanical Name), and "Source Identification"	Pounds Pure Live Seed (PLS) Per Acre
Perennial Rye	60 lb/acre
Creeping Fescue	15 lb/acre
Chewing Fescue	25 lb/acre
Total	100 lb/acre

Source Identified seed shall be generation four or less. Non-Source Identified seed shall meet or exceed Washington State Department of Agriculture Certified Seed Standards and be from within the appropriate genetic zones of the North Cascades Ecoregion(s) as defined by the US Environmental Protection Agency (EPA).

The seed certification class shall be Certified (blue tag) in accordance with WAC 16-302 and meet the following requirements:

Prohibited Weed	0% max.
Noxious Weed	0% max.
Other Weed	0.20% max.
Other Crop	0.40% max.

The Contractor shall document all Source Identified seed by providing the Association of Official Seed Certifying Agents (AOSCA) yellow seed label for each species in the mix. Site Identification Logs can be supplied for collections where the AOSCA yellow label is not available.

8-02.4 Measurement

Section 8-02.4 is supplemented with the following:

(******)
When the Bid Proposal contains the item "Landscaping" there will be no measurement of unit or force account items for Work defined in Section 8-02.

8-02.5 Payment

Section 8-02.5 is supplemented with the following:

"Landscaping", lump sum.

The lump sum Contract price for "Landscaping" shall be full pay to perform the Work and furnish the materials as described in Section 8-02.

8-20 Illumination, Traffic Signal Systems, Intelligent Transportation Systems, and Electrical

8-20.1 Description

Section 8-20.1 is replaced with the following:

This Work consists of furnishing, installing and field testing all materials and equipment necessary to complete in place, fully functional system(s) of any or all of the following types including modifications to an existing system all in accordance with approved methods, the Plans, the Special Provisions, and these Specifications, unless otherwise noted in the contract documents:

1. Illumination System

    a. The Contractor shall partially install the illumination system to include the installation of the following:

        i. Drilled foundations for the luminaire pole with plastic streetlight tubes installed for the foundation and covered with durable lid/cover

        ii. All trenching and conduits with pull strings. Conduits to extend into and above the foundations as shown on the plans

        iii. PSE furnished junction boxes

        iv. Extension of conduit to light pole bases from PSE trench (LP 9 and LP 10)

    b. Puget Sound Energy shall partially install the components of the illumination system not installed by the Contractor to include the installation of the following:

        i. Reinforcing steel, anchor bolts and placement of concrete for luminaire pole foundations

        ii. Conductors and electrical connections

        iii. Poles, mast arms, and luminaires

        iv. Conduit between Light Poles LP 10 and LP 9

Unless otherwise noted, the location of light poles, junction boxes, and appurtenances shown in the Plans are approximate; and the exact location will be established by the Engineer in the field.

8-21.3(4) Sign Removal

(February 25, 2021 SkagitR)

Section 8-21.3(4) is supplemented with the following:

Removed signs shall remain property of Skagit County. The Contractor shall coordinate with Skagit County to arrange delivery to the Skagit County Maintenance Shop:

Skagit County Maintenance Shop
201 Avon St.
Burlington, WA 98233
Phone: 360-416-1480

All work associated with the removal of signs and delivery to Skagit County will be inclusive and incidental to Permanent Signing and no separate measurement or payment will be made.

Division 9
Materials

Appendices

(January 2, 2012)

The following appendix is attached and made a part of this contract:

APPENDIX A:
Standard Plans

APPENDIX B:
Wage Rates
Washington State Prevailing Wage Rates

APPENDIX C:
Construction Contract and Contract Bond - Informational Only

APPENDIX D:
Proposal Forms - Informational Only

APPENDIX E:
Permits

APPENDIX F:
Vicinity Map and Plans

(January 13, 2021)

Standard Plans

The State of Washington Standard Plans for Road, Bridge and Municipal Construction M21-01, effective September 30, 2020, is made a part of this contract.

The Standard Plans are revised as follows:

A-50.10
DELETED

A-50.20
DELETED

A-50.30
DELETED

A-50.40
DELETED

B-90.40
Valve Detail – DELETED

C-1a
DELETED

C-8

Add new Note 5, "5. Type 2 Barrier and Barrier Terminals are allowed in temporary installations only. New Type 2 Barrier and Barrier Terminals are not allowed to be fabricated after December 31, 2019. The plan is provided as a means to verify that any Type 2 barrier and Barrier Terminals fabricated prior to December 31, 2019 meets the plan requirements and cross-sectional dimensions as specified in Standard Specifications 6-10.3(5)."

C-8a

Add new Note 2, "2. Type 4 Barrier and Barrier Transition are allowed in temporary installations only. New Type 4 Barrier and Barrier Transition are not allowed to be fabricated after December 31, 2019. The plan is provided as a means to verify that any Type 4 barrier and Barrier Transition fabricated prior to December 31, 2019 meets the plan requirements and cross-sectional dimensions as specified in Standard Specifications 6-10.3(5)."

C-8b

DELETED

C-8e

DELETED

C-8f

DELETED

C-16a

DELETED

C-20.10

The following table is added:

SLOPE \ EMBANKMENT TABLE (FOR 8', 9', 11' LONG POSTS)		
POST LENGTH	**SLOPE**	**W (FT)**
8-FOOT	1H : 1V OR FLATTER	2.5 MIN.
8-FOOT	2H : 1V OR FLATTER	0 (FACE OF BARRIER AT SLOPE BREAK POINT)
9-FOOT	1.5H : 1V OR FLATTER	0 (FACE OF BARRIER AT SLOPE BREAK POINT)
11-FOOT	1H : 1V OR FLATTER	0 (FACE OF BARRIER AT SLOPE BREAK POINT)

C-20.11

DELETED

C-20.19

DELETED

C-40.16
DELETED

C-40.18
DELETED

C-80.50
DELETED

C-85.14
DELETED

C-85.15
SECTION B detail, the callout reading “ANCHOR BOLT (TYP.) ~ SEE DETAIL, STANDARD PLAN C-8b”, is revised to read “ANCHOR BOLT (TYP.) ~ SEE DETAIL IN PLANS”.

SECTION B detail, the callout reading “ANCHOR PLATE (TYP.) ~ SEE STANDARD PLAN J-8b”, is revised to read “ANCHOR PLATE (TYP.) ~ SEE DETAIL IN PLANS”.

D-2.14
DELETED

D-2.16
DELETED

D-2.18
DELETED

D-2.20
DELETED

D-2.42
DELETED

D-2.44
DELETED

D-2.46
DELETED

D-2.48
DELETED

D-2.82
DELETED

D-2.86
DELETED

D-10.10

Wall Type 1 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT Bridge Design Manual (BDM) and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.15

Wall Type 2 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.30

Wall Type 5 may be used in all cases.

D-10.35

Wall Type 6 may be used in all cases.

D-10.40

Wall Type 7 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the 11/3/15 Bridge Design memorandum.

D-10.45

Wall Type 8 may be used if no traffic barrier is attached on top of the wall. Walls with traffic barriers attached on top of the wall are considered non-standard and shall be designed in accordance with the current WSDOT BDM and the revisions stated in the revisions stated in the 11/3/15 Bridge Design memorandum.

D-15.10

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.20

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

D-15.30

STD Plans D-15 series “Traffic Barrier Details for Reinforced Concrete Retaining Walls” are withdrawn. Special designs in accordance with the current WSDOT BDM are required in place of these STD Plans.

G-20.10

SIGN INSTALLATION BEHIND TRAFFIC BARRIER detail, dimension callout “3’ MIN.”, is revised to read “5’ MIN.”.

H-70.20

Sheet 2, Spacing Detail, Mailbox Support Type 1, reference to Standard Plan I-70.10 is revised to H-70.10

H-70.30
DELETED

J-10.16
Key Note 14, reads: “Mounting Hole ~ See Standard Plan J-10.30 for mounting Details.” Is revised to read: “Mounting Hole ~ See Standard Plan J-10.14 for mounting Details.”
General Note 12, reads: “See Standard Plan J-10.30 for pole installation details.” Is revised to read: “See Standard Plan J-10.14 for pole installation details.”

J-10.17
Key Note 16, reads: “Mounting Hole ~ See Standard Plan J-10.?? for mounting Details.” Is revised to read: “Mounting Hole ~ See Standard Plan J-10.14 for mounting Details.”
General Note 12, reads: “See Standard Plan J-10.30 for pole installation details.” Is revised to read: “See Standard Plan J-10.14 for pole installation details.”

J-10.18
Key Note 12, reads: “Mounting Hole ~ See Standard Plan J-10.20 for mounting Details.” Is revised to read:”Mounting Hole ~ See Standard Plan J-10.14 for mounting Details.”
General Note 12, reads: “See Standard Plan J-10.30 for pole installation details.” Is revised to read: “See Standard Plan J-10.14 for pole installation details.”

J-20.26
Add Note 1, “1. One accessible pedestrian pushbutton station per pedestrian pushbutton post.”

J-20.16
View A, callout, was – LOCK NIPPLE, is revised to read; CHASE NIPPLE

J-21.10
Sheet 1, Elevation View, Round Concrete Foundation Detail, callout – “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ THREE REQ’D. PER ASSEMBLY” IS REVISED TO READ: “ANCHOR BOLTS ~ ¾” (IN) x 30” (IN) FULL THREAD ~ FOUR REQ’D. PER ASSEMBLY”
Sheet 1 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR.. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.
Sheet 1 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.
Sheet 2 of 2, Elevation view (Round), add dimension depicting the distance from the top of the foundation to find 2 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 2 # 4 reinf. Bar.
Sheet 2 of 2, Elevation view (Square), add dimension depicting the distance from the top of the foundation to find 1 #4 reinforcing bar shown, to read; 3” CLR. Delete “(TYP.)” from the 2 ½” CLR. dimension, depicting the distance from the bottom of the foundation to find 1 # 4 reinf. Bar.
Detail F, callout, “Heavy Hex Clamping Bolt (TYP.) ~ 3/4” (IN) Diam. Torque Clamping Bolts (see Note 3)” is revised to read; “Heavy Hex Clamping Bolt (TYP.) ~ 3/4” (IN) Diam. Torque Clamping Bolts (see Note 1)”

Detail F, callout, “3/4” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Four Required (See Note 4)” is revised to read; “3/4” (IN) x 2’ – 6” Anchor Bolt (TYP.) ~ Three Required (See Note 2)”

J-21.15

Partial View, callout, was – LOCK NIPPLE ~ 1 ½” DIAM., is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

J-21.16

Detail A, callout, was – LOCKNIPPLE, is revised to read; CHASE NIPPLE

J-22.15

Ramp Meter Signal Standard, elevation, dimension 4’ - 6” is revised to read; 6’-0”

(2x) Detail A, callout, was – LOCK NIPPLE ~ 1 ½” DIAM. is revised to read; CHASE NIPPLE ~ 1 ½” (IN) DIAM.

J-28.60

Note 1 “See Standard Plans C-8b and C-85.14 for foundation and anchor bolt details.” is revised to read “See contract for anchor bolt details. See Standard Plan C-85.15 for foundation details.”

J-40.10

Sheet 2 of 2, Detail F, callout, “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 12” S. S. FLAT WASHER” is revised to read; “12 – 13 x 1 ½” S.S. PENTA HEAD BOLT AND 1/2” (IN) S. S. FLAT WASHER”

J-40.36

Note 1, second sentence; ”Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; ”Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-40.37

Note 1, second sentence; ”Finish shall be # 2B for backbox and # 4 for the cover.” Is revised to read; ”Finish shall be # 2B for barrier box and HRAP (Hot Rolled Annealed and Pickled) for the cover.

J-75.20

Key Notes, note 16, second bullet point, was: “1/2” (IN) x 0.45” (IN) Stainless Steel Bands”, add the following to the end of the note: “Alternate: Stainless steel cable with stainless steel ends, nuts, bolts, and washers may be used in place of stainless steel bands and associated hardware.”

J-81.10

All references to “Type 170 Controller” are replaced with “Controller”.

L-40.10

DELETED

The following are the Standard Plan numbers applicable at the time this project was advertised. The date shown with each plan number is the publication approval date shown in the lower right-hand corner of that plan. Standard Plans showing different dates shall not be used in this contract.

A-10.10-00.....8/7/07
A-10.20-00.....10/5/07
A-10.30-00.....10/5/07
A-20.10-00.....8/31/07
A-30.10-00.....11/8/07
A-30.30-01.....6/16/11
A-30.35-00.....10/12/07
A-40.00-00.....8/11/09
A-40.10-04.....7/31/19
A-40.15-00.....8/11/09
A-40.20-04.....1/18/17
A-40.50-02.....12/23/14
A-60.10-03.....12/23/14
A-60.20-03.....12/23/14
A-60.30-01.....6/28/18
A-60.40-00.....8/31/07

1

B-5.20-03.....9/9/20
B-5.40-02.....1/26/17
B-5.60-02.....1/26/17
B-10.20-02.....3/2/18
B-10.40-01.....1/26/17
B-10.70-01……9/9/20
B-15.20-01.....2/7/12
B-15.40-01.....2/7/12
B-15.60-02.....1/26/17
B-20.20-02.....3/16/12
B-20.40-04.....2/27/18
B-20.60-03.....3/15/12
B-25.20-02.....2/27/18
B-25.60-02.....2/27/18
B-30.05-00……..9/9/20
B-30.10-03.....2/27/18
B-30.15-00……..2/27/18
B-30.20-04.....2/27/18
B-30.30-03.....2/27/18
B-30.40-03.....2/27/18
B-30.50-03.....2/27/18
B-30.60-00……..9/9/20
B-30.70-04.....2/27/18
B-30.80-01.....2/27/18
B-30.90-02.....1/26/17
B-35.20-00.....6/8/06
B-35.40-00.....6/8/06
B-40.20-00.....6/1/06
B-40.40-02.....1/26/17
B-45.20-01.....7/11/17
B-45.40-01.....7/21/17
B-50.20-00.....6/1/06
B-55.20-02.....2/27/18
B-60.20-02.....9/9/20
B-60.40-01.....2/27/18
B-65.20-01.....4/26/12
B-65.40-00.....6/1/06
B-70.20-00.....6/1/06
B-70.60-01.....1/26/17
B-75.20-02.....2/27/18
B-75.50-01.....6/10/08
B-75.60-00.....6/8/06
B-80.20-00.....6/8/06
B-80.40-00.....6/1/06
B-85.10-01.....6/10/08
B-85.20-00.....6/1/06
B-85.30-00.....6/1/06
B-85.40-00.....6/8/06
B-85.50-01.....6/10/08
B-90.10-00…….6/8/06
B-90.20-00.....6/8/06
B-90.30-00.....6/8/06
B-90.40-01.....1/26/17
B-90.50-00.....6/8/06
B-95.20-01.....2/3/09
B-95.40-01.....6/28/18

2

C-1.....9/9/20
C-1b.....9/9/20
C-1d.....10/31/03
C-2c.....8/12/19
C-4f.....8/12/19
C-6a.....10/14/09
C-7.....6/16/11
C-7a.....6/16/11
C-8.....2/10/09
C-8a.....7/25/97
C-20.10-06.....9/16/20
C-20.14-04.....8/12/19
C-20.15-02.....6/11/14
C-20.18-03.....8/12/19
C-20.40-07.....8/12/19
C-20.41-02.....8/12/19
C-20.42-05.....7/14/15
C-20.45.02.....8/12/19
C-22.16-07.....9/16/20
C-22.40-08.....9/16/20
C-22.45-05.....9/16/20
C-23.60-04.....7/21/17
C.24.10-02.....8/12/19
C-25.20-06.....7/14/15
C-25.22-05.....7/14/15
C-25.26-04.....8/12/19
C-25.30-00…….6/28/18
C-25.80-05.....8/12/19
C-60.10-01…….9/24/20
C-60.20-00……9/24/20
C-60.30-00……9/24/20
C-60.70-00……9/24/20
C-70.10-02.....9/16/20
C-75.10-02.....9/16/20
C-75.20-02.....9/16/20
C-75.30-02.....9/16/20
C-80.10-02.....9/16/20
C-80.20-01.....6/11/14
C-80.30-01.....6/11/14
C-80.40-01.....6/11/14
C-85.10-00.....4/8/12
C-85.11-01.....9/16/20
C-85.15-01.....6/30/14
C-85.16-01.....6/17/14
C-85-18-01.....6/11/14
C-85.20-01.....6/11/14

3

D-2.04-00.....11/10/05
D-2.06-01.....1/6/09
D-2.08-00.....11/10/05
D-2.32-00.....11/10/05
D-2.34-01.....1/6/09
D-2.36-03.....6/11/14
D-2.60-00.....11/10/05
D-2.80-00.....11/10/05
D-2.84-00.....11/10/05
D-2.88-00.....11/10/05
D-2.92-00.....11/10/05
D-3.09-00.....5/17/12
D-3.10-01……5/29/13
D-3.11-03……6/11/14
D-6.....6/19/98
D-10.10-01.....12/2/08
D-10.15-01.....12/2/08
D-10.20-01.....8/7/19
D-10.25-01.....8/7/19
D-10.30-00.....7/8/08
D-10.35-00.....7/8/08

D-2.62-00.....11/10/05
D-2.64-01.....1/6/09
D-2.66-00.....11/10/05
D-2.68-00.....11/10/05
D-3.15-02……6/10/13
D-3.16-02……5/29/13
D-3.17-02……5/9/16
D-4.....12/11/98
D-10.40-01.....12/2/08
D-10.45-01.....12/2/08

1

E-1.....2/21/07
E-2.....5/29/98
E-4.....8/27/03
E-4a.....8/27/03

2

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F-10.16-00.....12/20/06
F-10.18-02.....9/24/20
F-10.40-04.....9/24/20
F-10.42-00.....1/23/07
F-10.62-02.....4/22/14
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F-30.10-04.....9/25/20
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F-40.14-03.....6/29/16
F-40.15-04.....9/25/20
F-40.16-03.....6/29/16
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F-80.10-04.....7/15/16

3

G-10.10-00.....9/20/07
G-20.10-02.....6/23/15
G-22.10-04.....6/28/18
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G-24.20-01.....2/7/12
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G-95.20-03.....6/28/18
G-95.30-03.....6/28/18

4

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H-10.15-00.....7/3/08
H-30.10-00.....10/12/07
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H-70.10-01.....2/7/12
H-70.20-01.....2/16/12

5

I-10.10-01.....8/11/09
I-30.10-02.....3/22/13
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I-60.10-01.....6/10/13
I-60.20-01.....6/10/13
I-80.10-02.....7/15/16

6

J-10.....7/18/97
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J-75.41-01……6/29/16
J-75.45-02……6/1/16
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J-90.50-00……6/28/18

J-20.11-03.....7/31/19
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J-21.17-01.....6/10/13
J-21.20-01.....6/10/13
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J-60.12-00…....5/20/13

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K-80.37-01.....9/16/20

2

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L-30.10-02.....6/11/14
L-40.15-01.....6/16/11
L-40.20-02.....6/21/12
L-70.10-01.....5/21/08
L-70.20-01.....5/21/08

3

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M-1.60-03.....9/25/20
M-1.80-03.....6/3/11
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M-2.21-00……7/10/15
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M-3.50-03.....9/25/20
M-5.10-03.....9/25/20
M-7.50-01.....1/30/07
M-9.50-02.....6/24/14
M-9.60-00……..2/10/09
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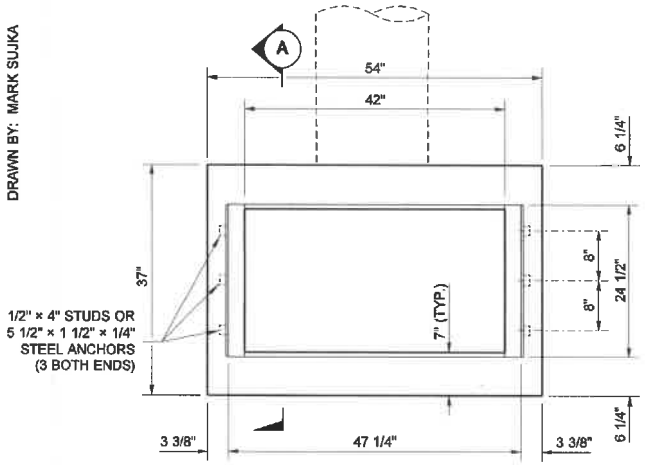
M-40.60-00.....9/20/07
M-60.10-01.....6/3/11
M-60.20-02.....6/27/11
M-65.10-02.....5/11/11
M-80.10-01.....6/3/11
M-80.20-00.....6/10/08
M-80.30-00.....6/10/08

4

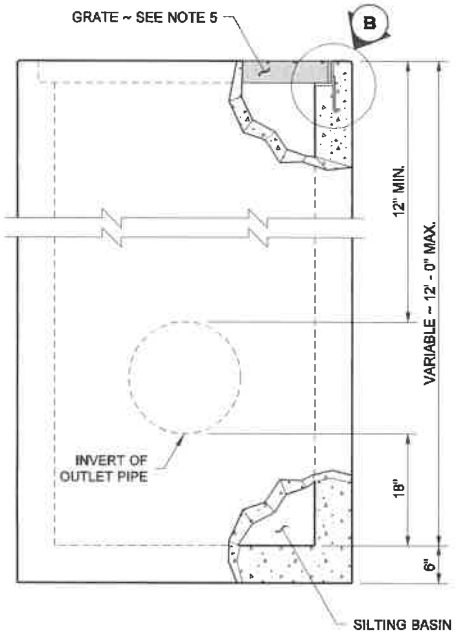
APPENDIX A

Standard Plans

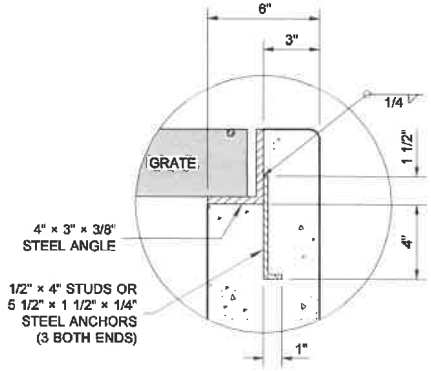
DRAWN BY: MARK SUJKA



TOP VIEW



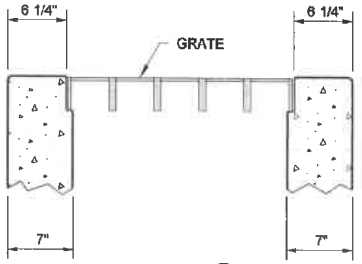
SIDE VIEW



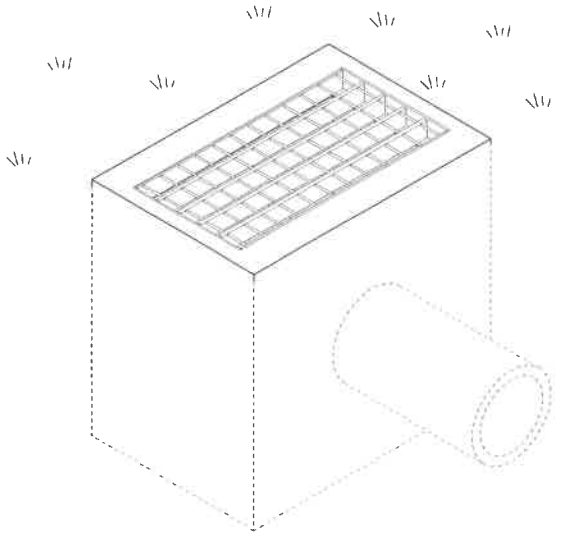
DETAIL (B)

NOTES

1. The Steel Angles shall be set so that each bearing bar of prefabricated grate shall have full bearing on both ends. The finished top of concrete shall be even with the grate surface.
2. All exposed concrete shall be finished with a 1/2" radius.
3. The grade line of the top inside of any pipe shall enter no lower than the grade line of the top inside of the outlet pipe.
4. Pipes may enter through the knockouts on any side at any reasonable angle, provided the outside of the pipe can be contained between two opposite walls.
5. See contract for type of grate specified. See Standard Plan B-40.20 and B-40.40 for grate details.



SECTION (A)



ISOMETRIC VIEW

EXPIRES JULY 1, 2007

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

GRATE INLET TYPE 1 (CAST-IN-PLACE)

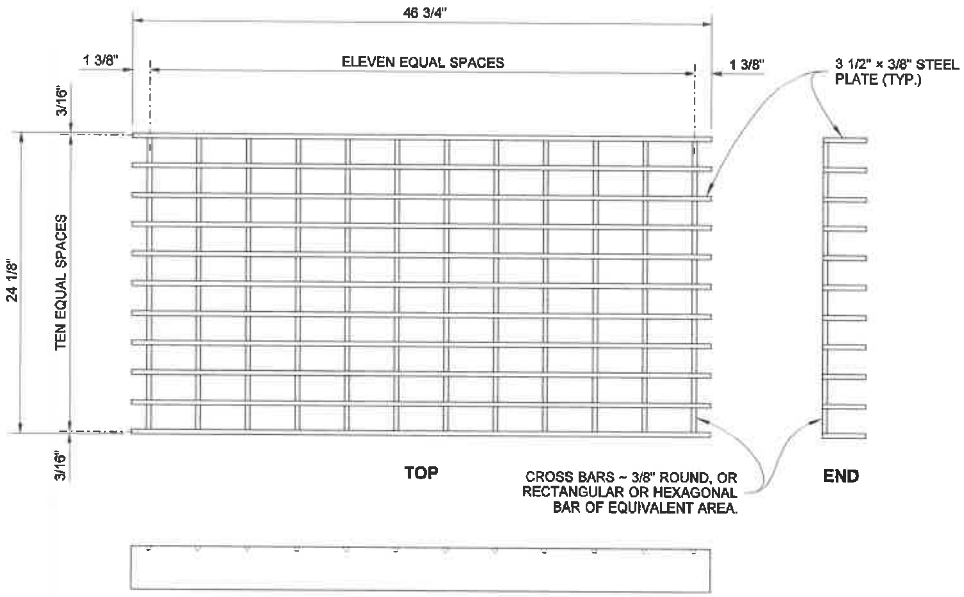
STANDARD PLAN B-35.20-00

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

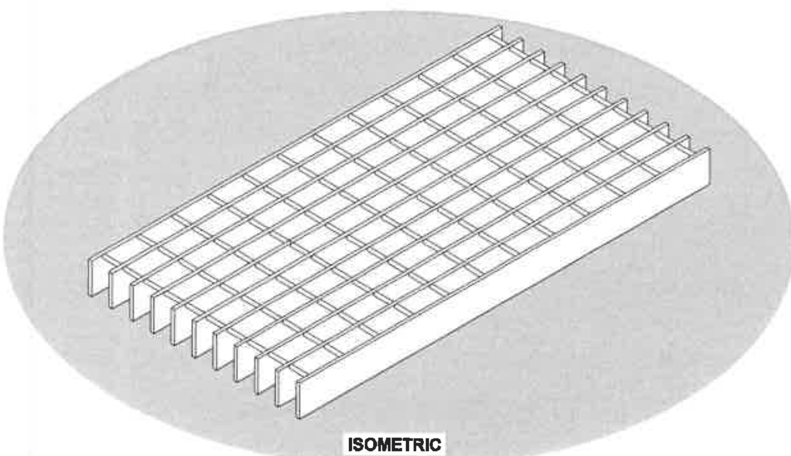
Harold J. Peterfeso — STATE DESIGN ENGINEER — *06-08-06* — DATE

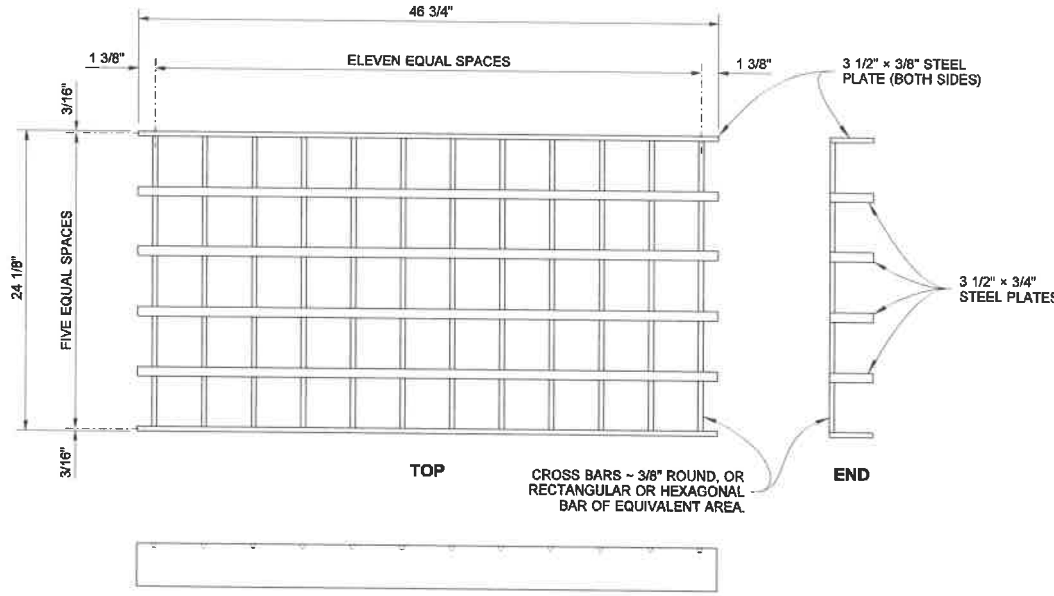
Washington State Department of Transportation



GRATE "A"

(APPROXIMATE WEIGHT 215 LBS)





GRATE "B"

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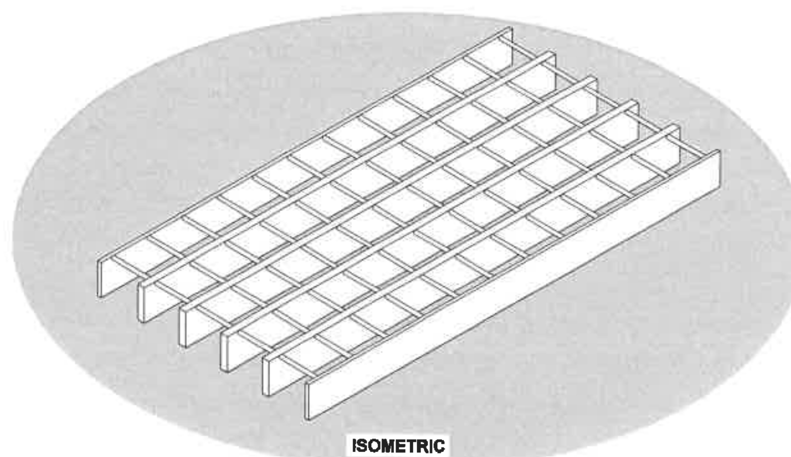

DRAWN BY: MARK SUJKA

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WELDED GRATES FOR GRATE INLET

STANDARD PLAN B-40.20-00

SHEET 1 OF 1 SHEET

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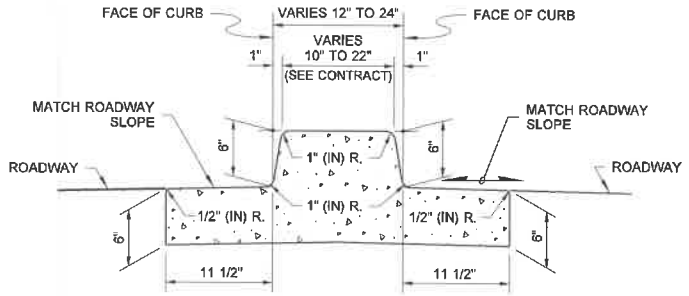
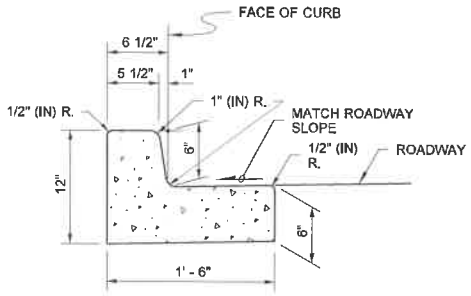
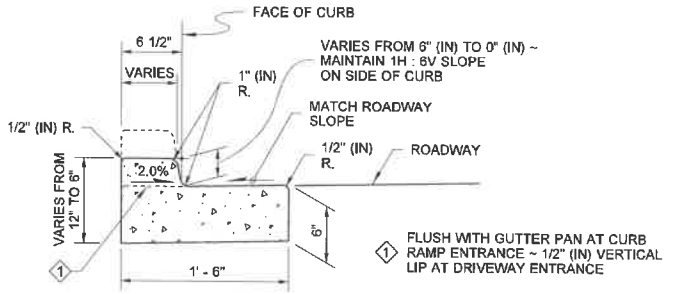


DUAL-FACED CEMENT CONCRETE TRAFFIC CURB AND GUTTER

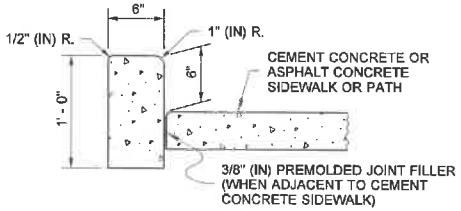


CEMENT CONCRETE TRAFFIC CURB AND GUTTER

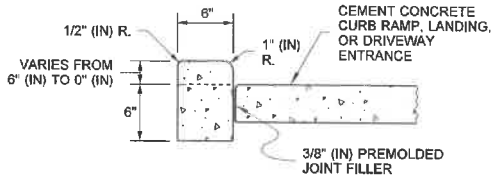


DEPRESSED CURB AND GUTTER SECTION

AT CURB RAMPS AND DRIVEWAY ENTRANCES



CEMENT CONCRETE PEDESTRIAN CURB

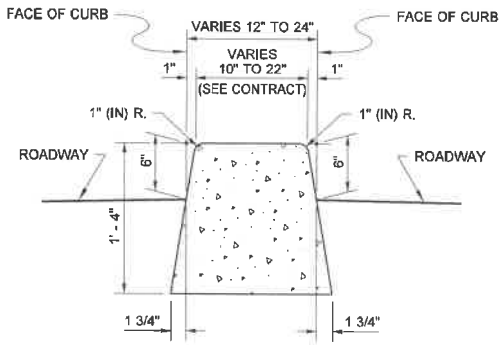


CEMENT CONCRETE PEDESTRIAN CURB

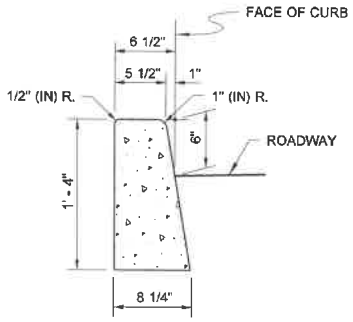
AT CURB RAMPS, LANDINGS, AND DRIVEWAY ENTRANCES

NOTE

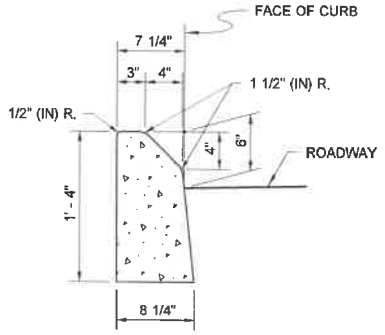
1. See **Standard Plan F-30.10** for Curb Expansion and Contraction Joint spacing. See **Standard Specification, Sections 8-04 and 9-04** for additional requirements.



DUAL-FACED CEMENT CONCRETE TRAFFIC CURB



CEMENT CONCRETE TRAFFIC CURB



MOUNTABLE CEMENT CONCRETE TRAFFIC CURB

Michael S Fleming

Digitally signed by Michael S Fleming
Date: 2020.09.24 07:39:38 -07'00'

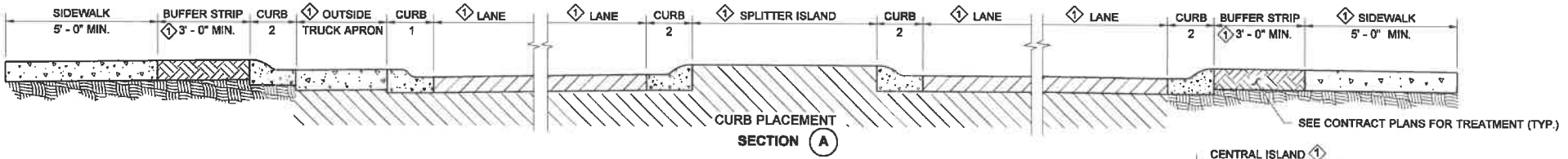
CEMENT CONCRETE CURBS

STANDARD PLAN F-10.12-04

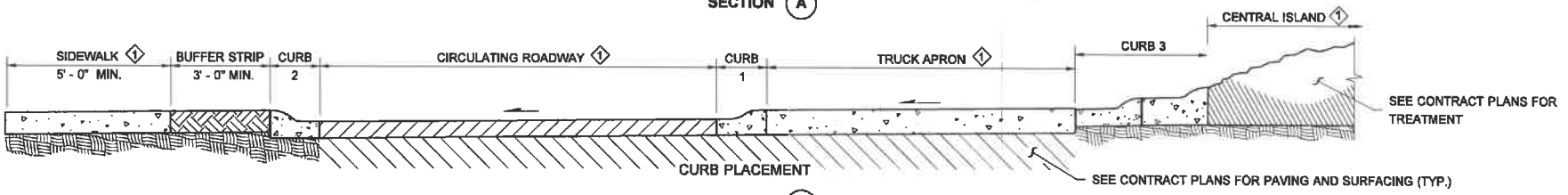
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Date: 2020.09.24 07:57:43 -07'00'
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL



SECTION (A)



SECTION (B)

(ROUNDABOUT CONFIGURATION WILL VARY DEPENDING ON CONTRACT PLANS)

DRAWN BY: FERN LIDDELL

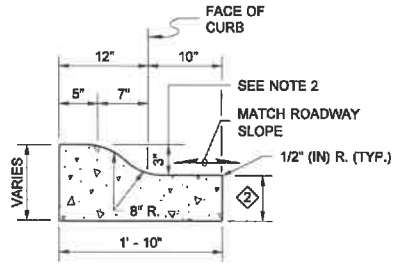
NOTES

1. Construct curb joints at cement concrete pavement transverse joint locations. If all adjacent pavement is HMA, see **Standard Plan F-30.10** for Curb Expansion and Contraction Joint Spacing.
2. A 2 inch vertical curb may be used where low clearance vehicles or trucks are present.

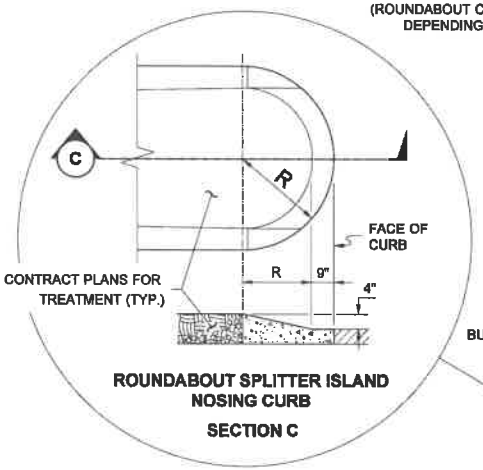
LEGEND

① Width varies ~ See Contract Plans.

② Match adjacent pavement thickness but not less than 6 inches.

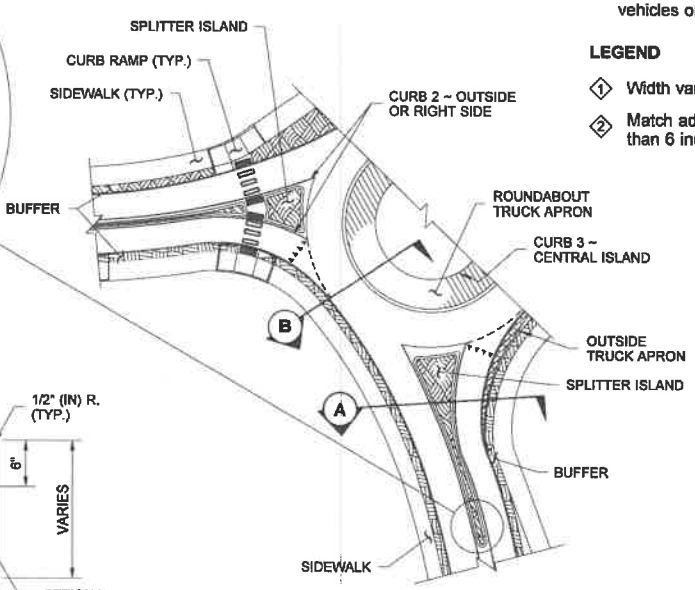


CURB 1
ROUNDABOUT TRUCK APRON
CEMENT CONCRETE CURB & GUTTER
(ROLLED CURB)

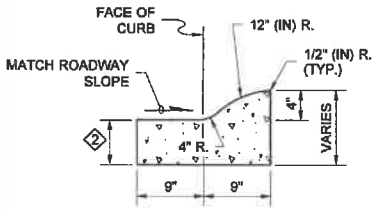


ROUNDABOUT SPLITTER ISLAND NOSING CURB
SECTION C

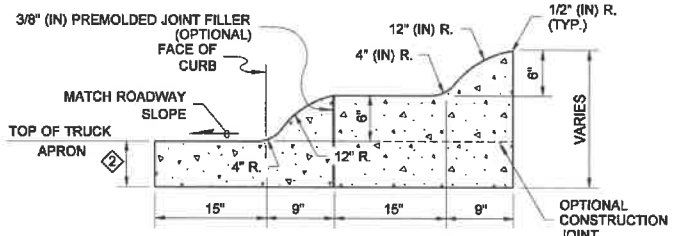
DETAIL
(SEE CONTRACT PLANS FOR R)



PARTIAL PLAN



CURB 2
(OUTSIDE, RIGHT SIDE OR SPLITTER ISLAND)
ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER
(ROLLED CURB)



CURB 3
ROUNDABOUT CENTRAL ISLAND
CEMENT CONCRETE CURB
(ROLLED CURB)

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

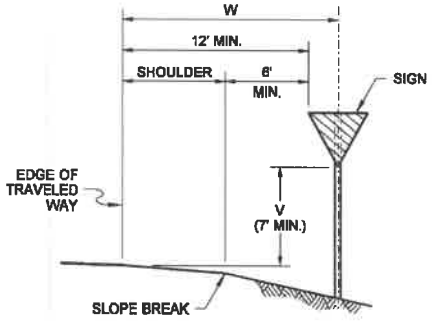
Walsh, Brian
Sep 23 2020 1:20 PM

ROUNDABOUT CEMENT CONCRETE CURBS

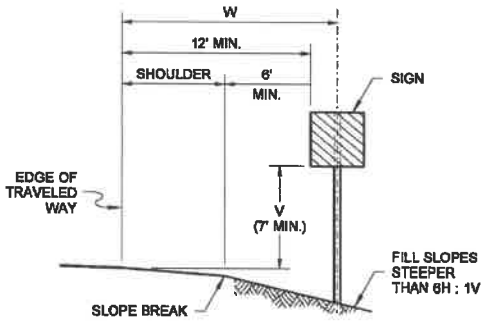
STANDARD PLAN F-10.18-02

SHEET 1 OF 1 SHEET

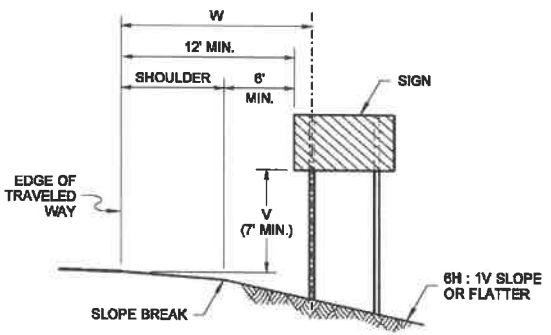
APPROVED FOR PUBLICATION
Date: 2020.09.24 07:58:20 -07'00'
STATE DESIGN ENGINEER
Washington State Department of Transportation



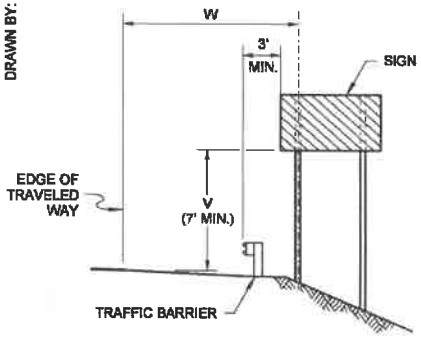
SIGN INSTALLATION IN FILL SECTION



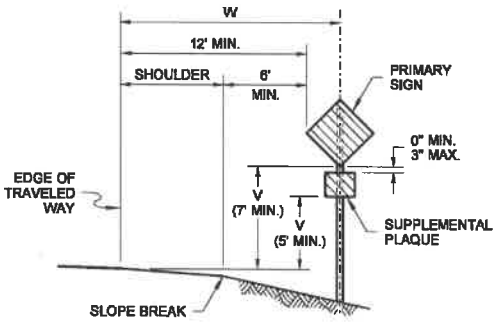
SIGN INSTALLATION ON STEEP FILL SLOPES



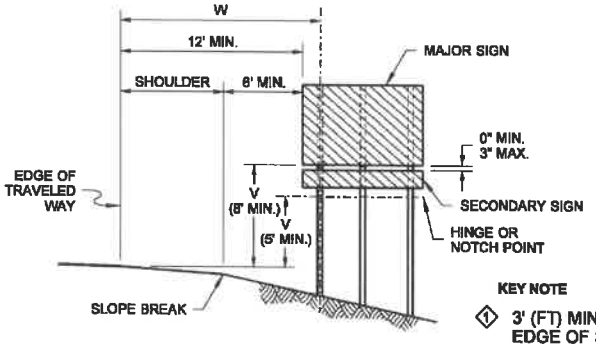
MULTIPLE SIGN POST INSTALLATION IN FILL SECTION



SIGN INSTALLATION BEHIND TRAFFIC BARRIER



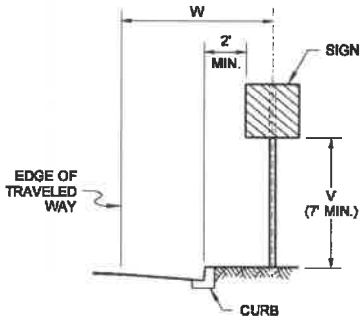
SIGN WITH SUPPLEMENTAL PLAQUE INSTALLATION IN FILL SECTION



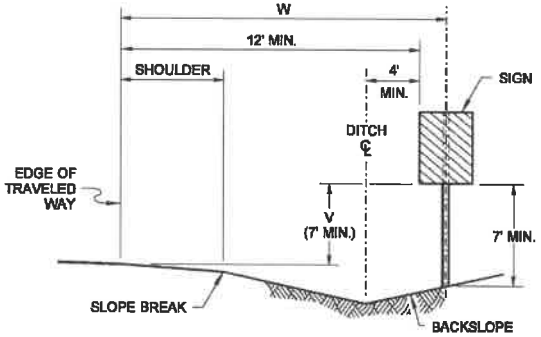
GUIDE OR DIRECTIONAL SIGN WITH SECONDARY SIGN INSTALLATION ON EXPRESSWAYS AND FREEWAYS

KEY NOTE

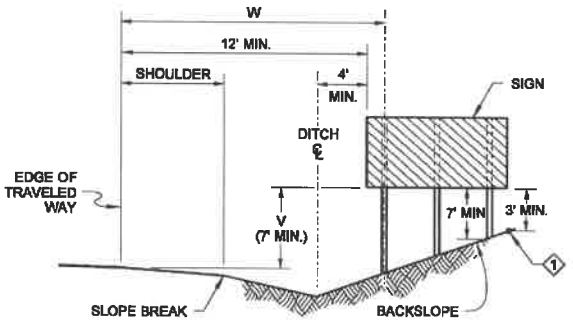
① 3' (FT) MIN. FROM ANY POINT ALONG BOTTOM EDGE OF SIGN PANEL TO THE GROUND



SIGN INSTALLATION IN CURB SECTION



SIGN INSTALLATION IN DITCH SECTION



MULTIPLE SIGN POST INSTALLATION IN DITCH SECTION

NOTES

1. Refer to the Sign Specification Sheet of the Contract for the 'V' and 'W' distances.
2. The minimum vertical distance from the bottom of the sign to the ground shall not be less than 7' (ft) for signs located within the Design Clear Zone.

DRAWN BY: FERN LIDDELL

JOHN C. NISBET
STATE OF WASHINGTON
29115
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Nisbet, John
Jun 22 2015 9:43 AM
cosign

GROUND-MOUNTED SIGN PLACEMENT

STANDARD PLAN G-20.10-02

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Jun 23 2015 7:35 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

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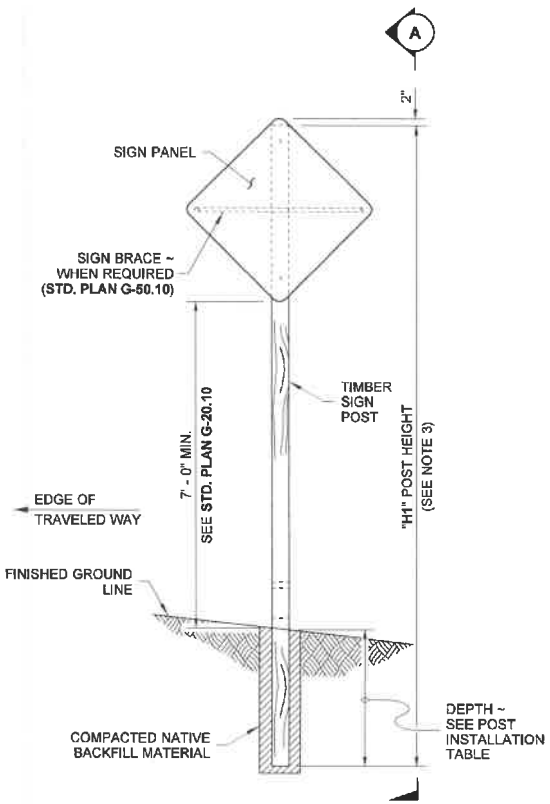
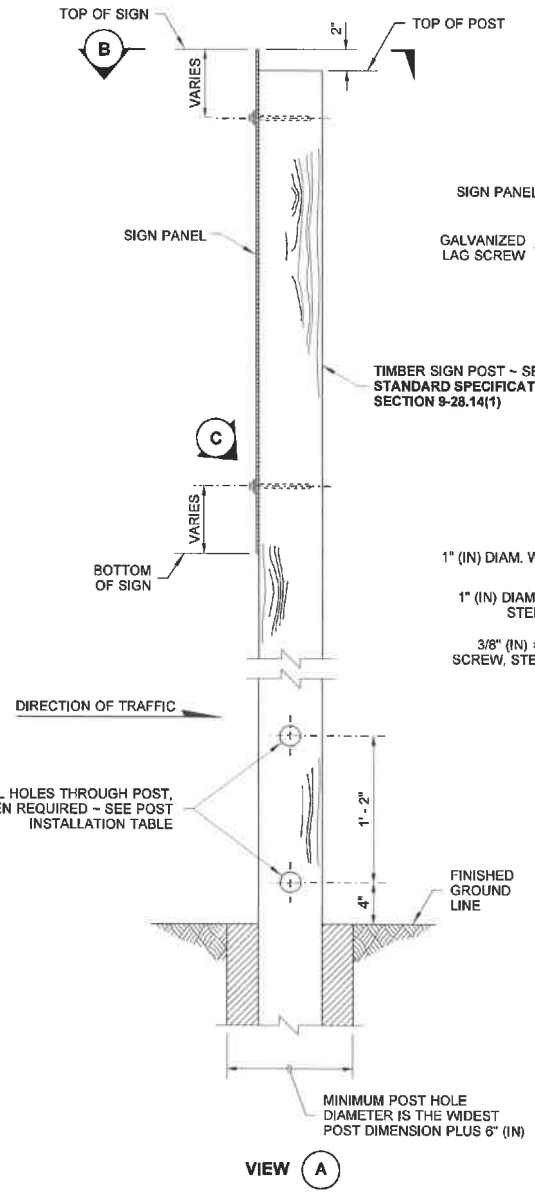
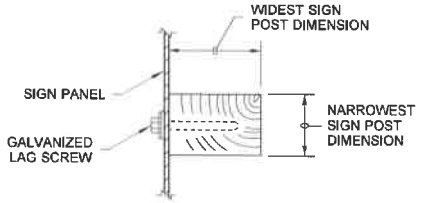


ELEVATION VIEW

SINGLE-POST INSTALLATION



VIEW (A)



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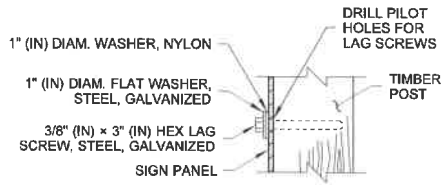


DETAIL (C)

NOTES

1. Notch is only required with multiple post installations.
2. 6×10, 8×10, and 6×12 Timber Sign Posts cannot be made breakaway and do not have holes or notches. These posts shall not be installed within the Design Clear Zone. They may be installed behind traffic barrier.
3. For "**X**", "**Y**", "**H1**", "**H2**", "**H3**", and "**H4**", refer to the Sign Specification Sheet in the Contract.
4. For 6×6 posts and larger, 7' (ft) minimum spacing is required between posts.
5. All materials shall meet the requirements of **Standard Specification Section 9-28**.

POST INSTALLATION TABLE

POST SIZE (NOM.)	DEPTH	HOLE DIAMETER	NOTCH DEPTH (SEE NOTE 1)
4×4	3' - 0"	NOT REQ'D	NOT REQ'D
4×6	4' - 0"	1 1/2"	1 1/2"
6×6	4' - 0"	2" SEE NOTES 3 & 4	2" SEE NOTES 3 & 4
6×8	5' - 0"	3" SEE NOTES 3 & 4	3" SEE NOTES 3 & 4
6×10	6' - 0"	SEE NOTE 2	SEE NOTE 2
8×10	6' - 0"	SEE NOTE 2	SEE NOTE 2
6×12	7' - 0"	SEE NOTE 2	SEE NOTE 2

JOHN C. NISBET STATE OF WASHINGTON 29115 REGISTERED PROFESSIONAL ENGINEER

Nisbet, John Digitally signed by Nisbet, John Date: 2018.06.27 11:29:46 -07'00'

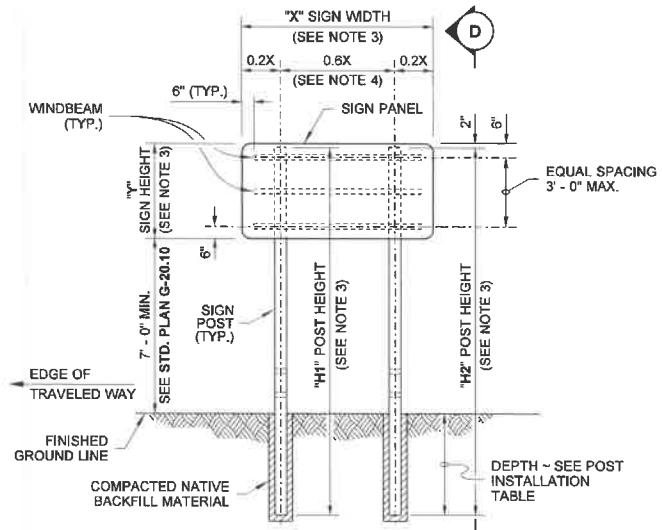
TIMBER SIGN SUPPORT

STANDARD PLAN G-22.10-04

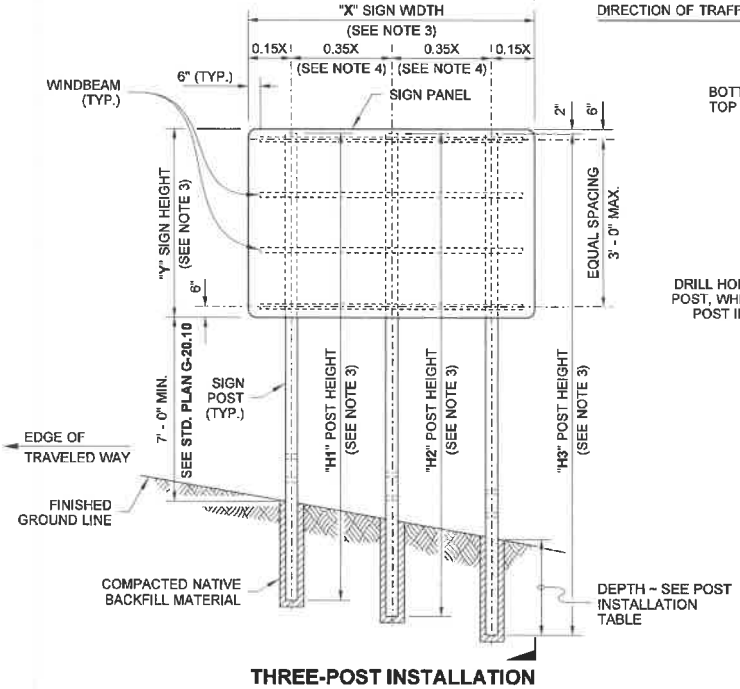
SHEET 1 OF 3 SHEETS

APPROVED FOR PUBLICATION
Carpenter, Jeff
Jun 28 2018 10:42 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

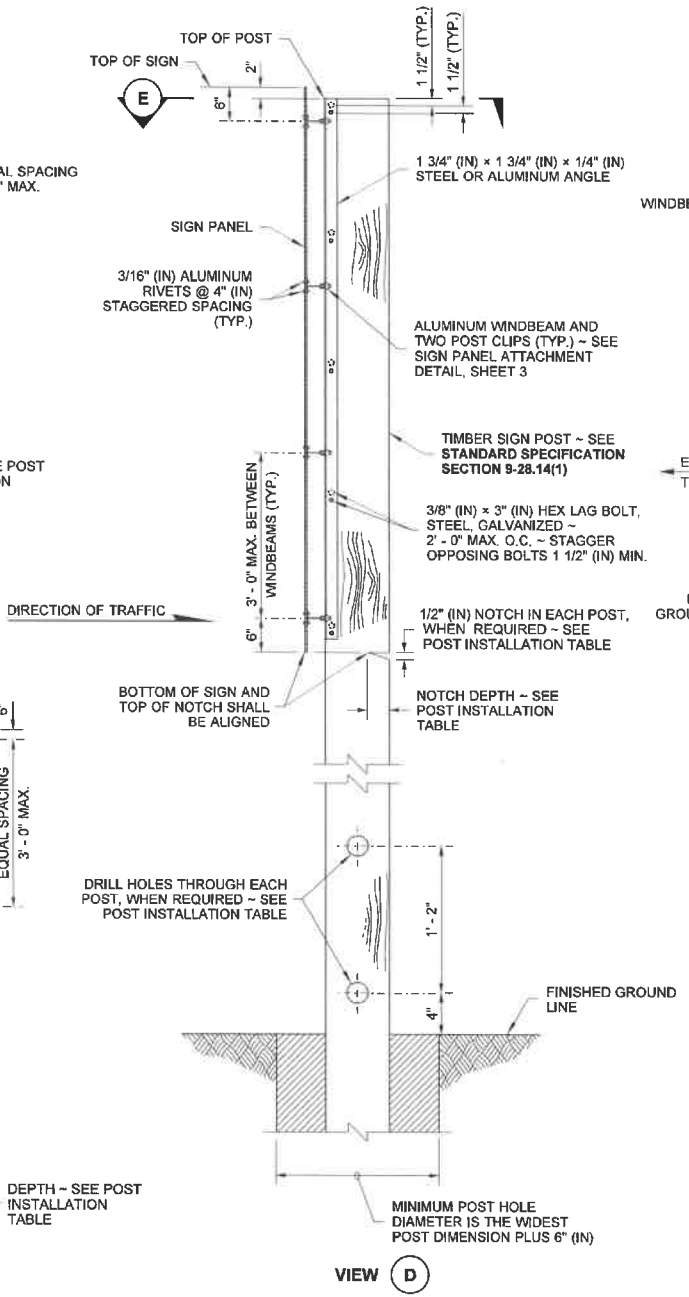
DRAWN BY: BILL BERENS



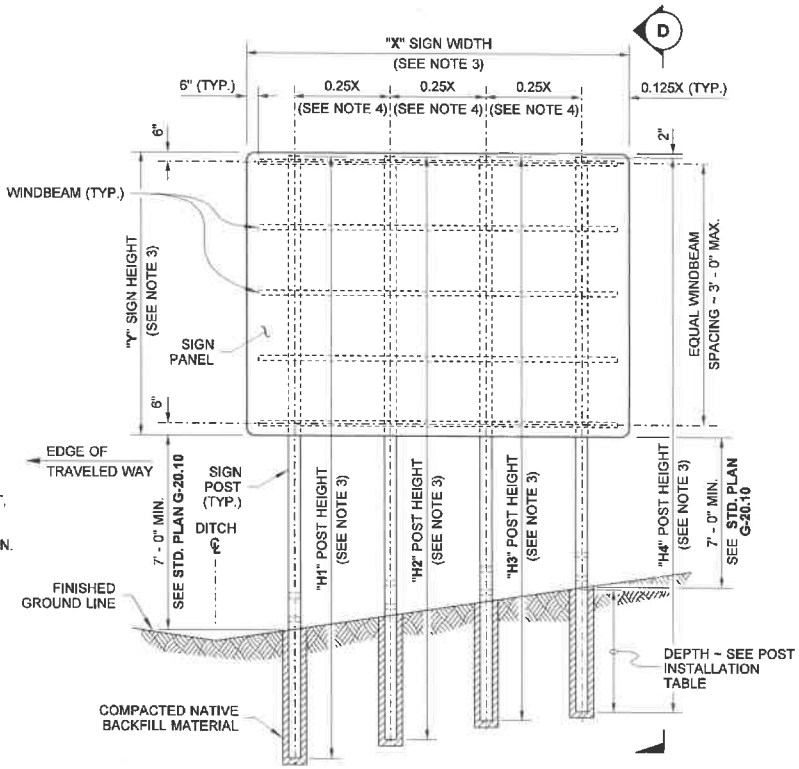
TWO-POST INSTALLATION



THREE-POST INSTALLATION



VIEW (D)



JOHN C. NISBET
STATE OF WASHINGTON
29115
REGISTERED
PROFESSIONAL ENGINEER

Nisbet, John Digitally signed by Nisbet, John Date: 2018.06.27 11:30:31 -07'00'

TIMBER SIGN SUPPORT

STANDARD PLAN G-22.10-04

SHEET 2 OF 3 SHEETS

APPROVED FOR PUBLICATION
Carpenter, Jeff
Jun 28 2018 10:42 AM
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Washington State Department of Transportation

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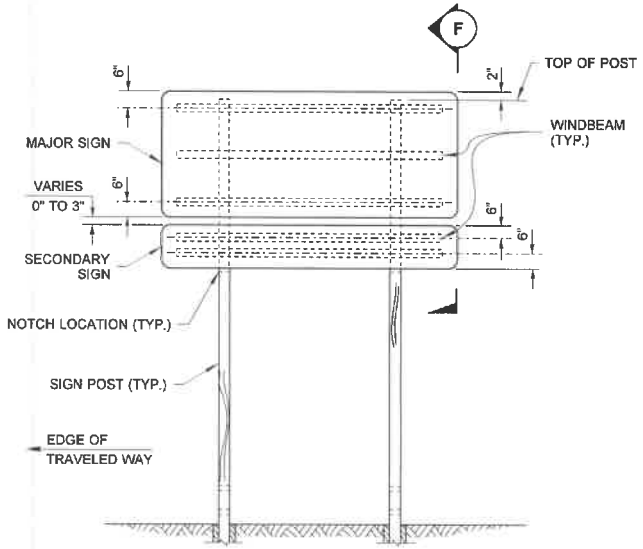
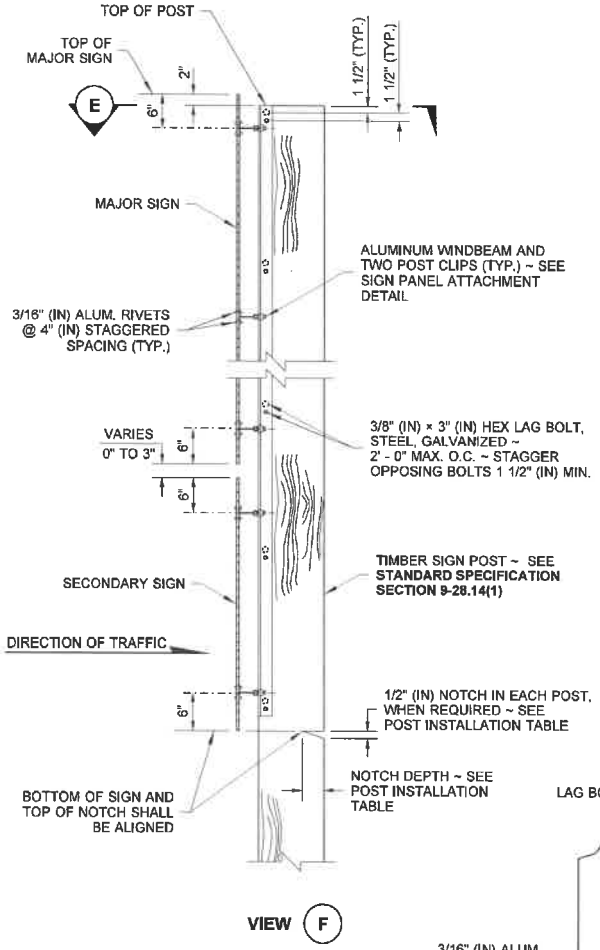


MAJOR AND SECONDARY SIGN INSTALLATION



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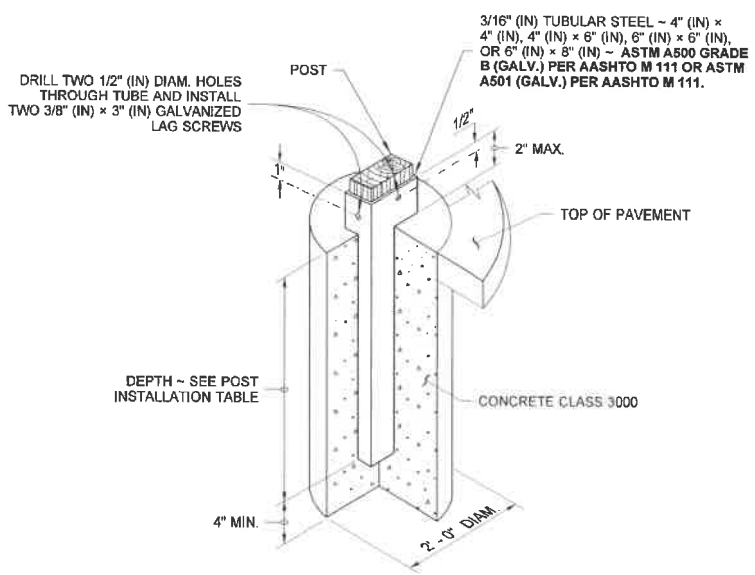
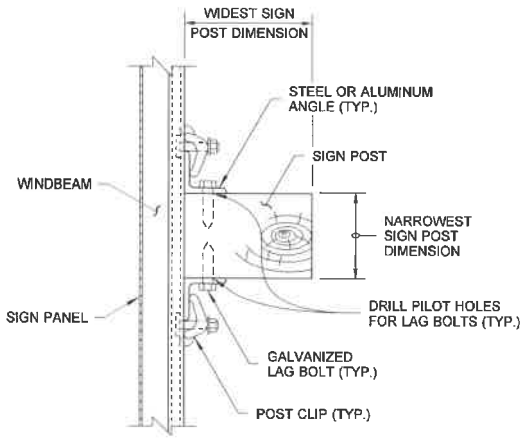


ISOMETRIC VIEW

CONCRETE FOUNDATION SLEEVE DETAIL

TO BE USED WHEN PLACING TIMBER POST IN A PAVED AREA



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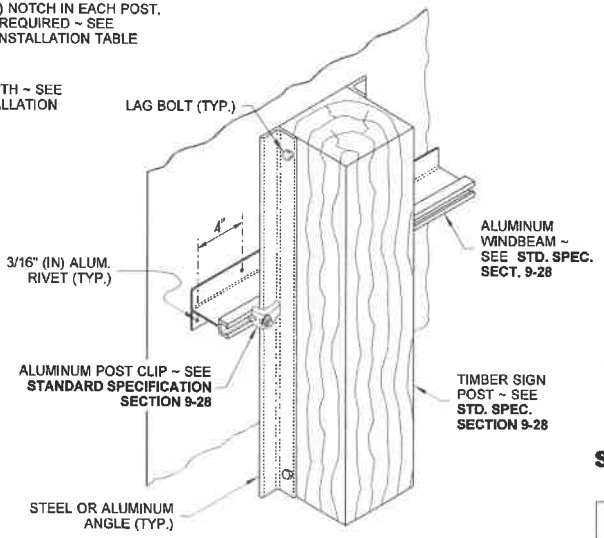

ISOMETRIC VIEW

SIGN PANEL ATTACHMENT DETAIL

JOHN C. NISBET
STATE OF WASHINGTON
29115
REGISTERED
PROFESSIONAL ENGINEER

Nisbet, John

Digitally signed by Nisbet, John
Date: 2018.06.27 11:32:12 -07'00'

TIMBER SIGN SUPPORT

STANDARD PLAN G-22.10-04

SHEET 3 OF 3 SHEETS

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Carpenter, Jeff
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Washington State Department of Transportation

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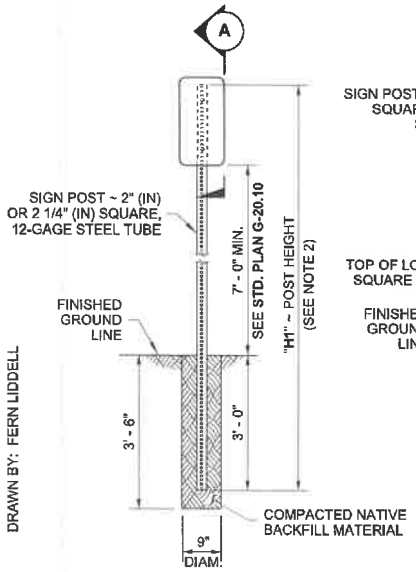
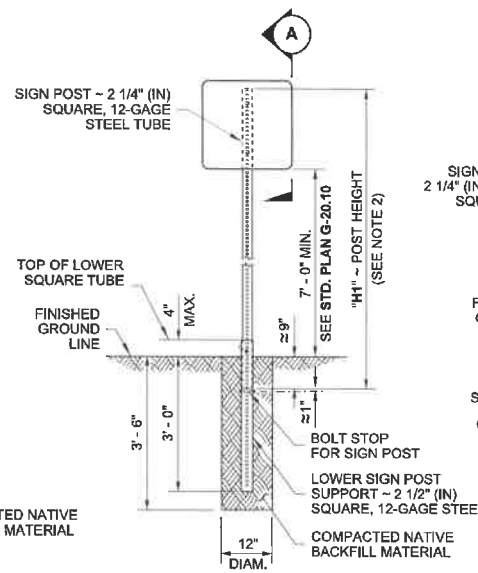


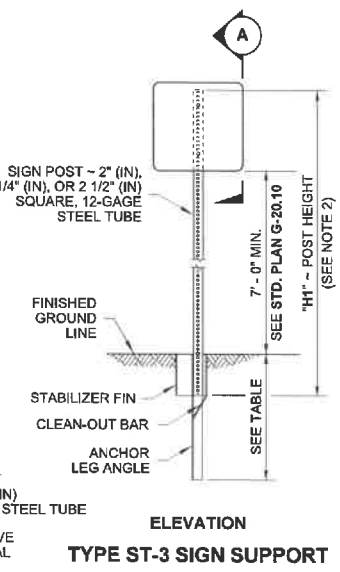
ELEVATION

TYPE ST-1 SIGN SUPPORT



ELEVATION

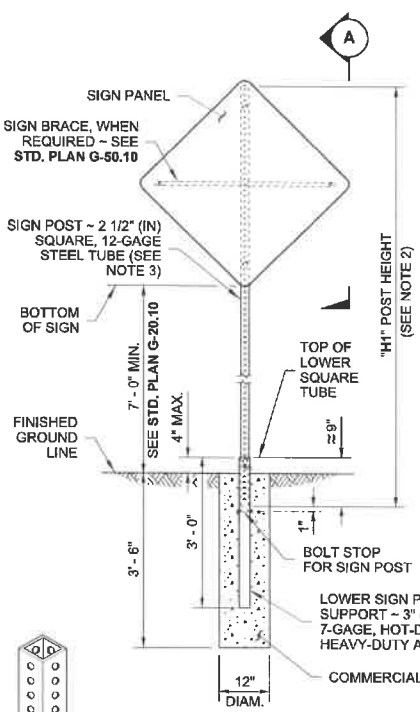
TYPE ST-2 SIGN SUPPORT



ELEVATION

TYPE ST-3 SIGN SUPPORT

BURIED DEPTH	POST SIZE
2' - 6"	2", 2 1/4"
3' - 0"	2 1/2"

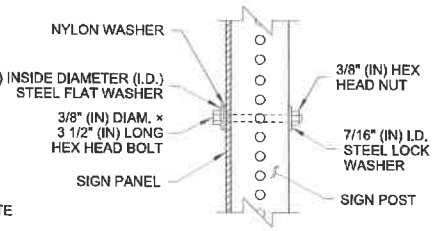


ELEVATION

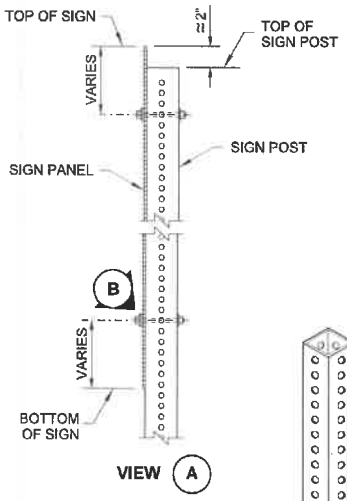
TYPE ST-4 SIGN SUPPORT

NOTES

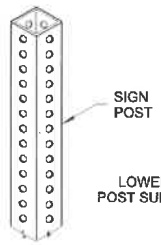
1. Dimensions for the parts used to assemble the base connections are intentionally not shown. Base connections are patented, manufactured products that are in compliance with NCHRP 350 crash test criteria. The base connection details are shown on this plan only to illustrate how the parts are assembled.
2. For "H1", refer to the Sign Specification Sheet in the Contract.
3. A 2" (in) post with a 2 1/4" (in) PSST anchor or a 2 1/4" (in) post with a 2 1/2" (in) PSST anchor may be substituted. See Contract Plans.
4. Perforated square steel post shall meet the requirements of **Standard Specification, Section 9-06.**
5. Use only base connection manufacturer supplied hardware that meets the requirements of **Standard Specification, Sections 9-06** and **9-28.**



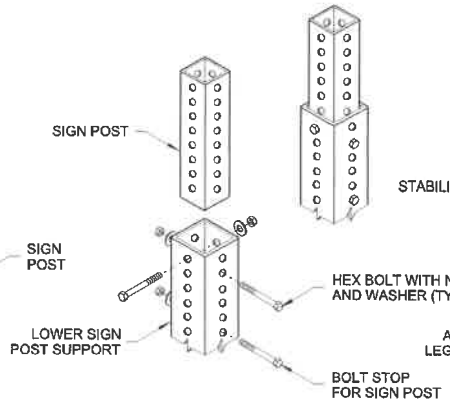
DETAIL (B)



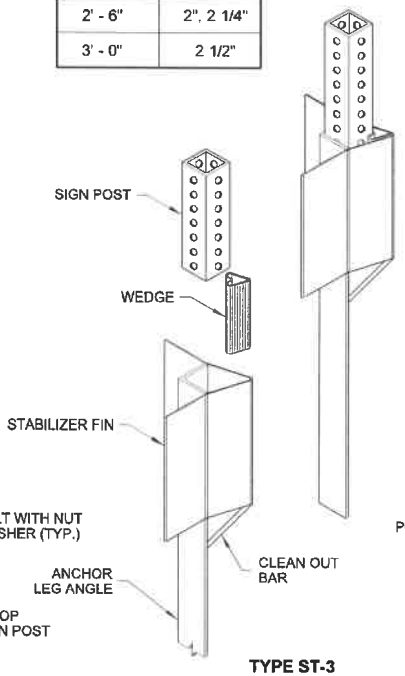
VIEW (A)



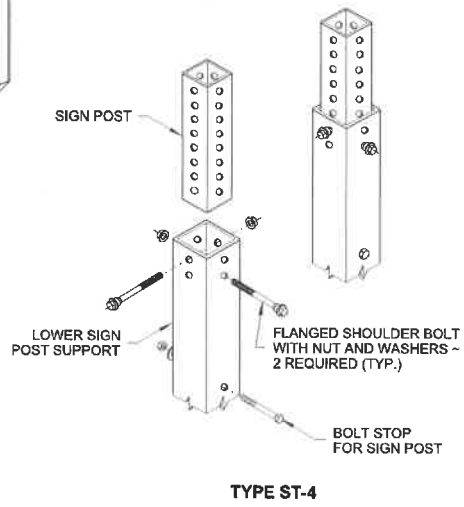
TYPE ST-1



TYPE ST-2



TYPE ST-3



TYPE ST-4

JOHN C. NISBET
STATE OF WASHINGTON
29115
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PROFESSIONAL ENGINEER

Nisbet, John
Aug 5 2019 1:46 PM

STEEL SIGN SUPPORT TYPES ST-1 - ST-4 INSTALLATION DETAILS STANDARD PLAN G-24.50-05

SHEET 1 OF 1 SHEET

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Roark, Steve
Aug 7 2019 11:54 AM

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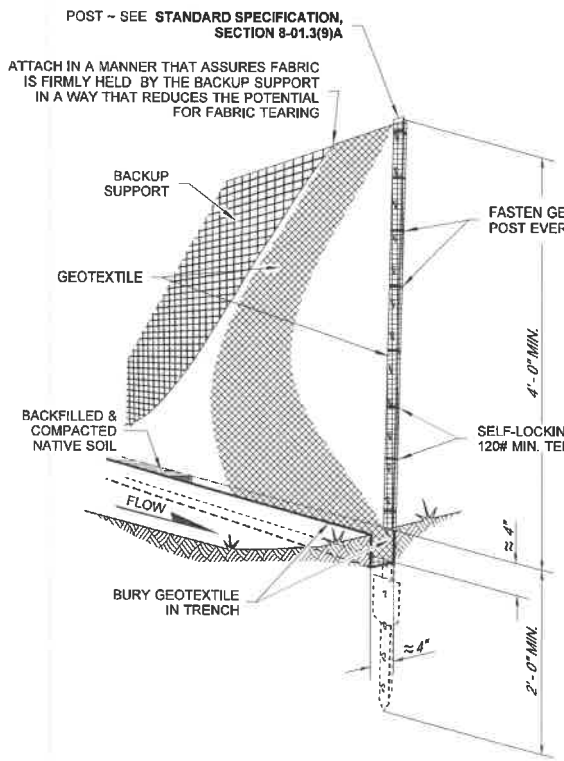
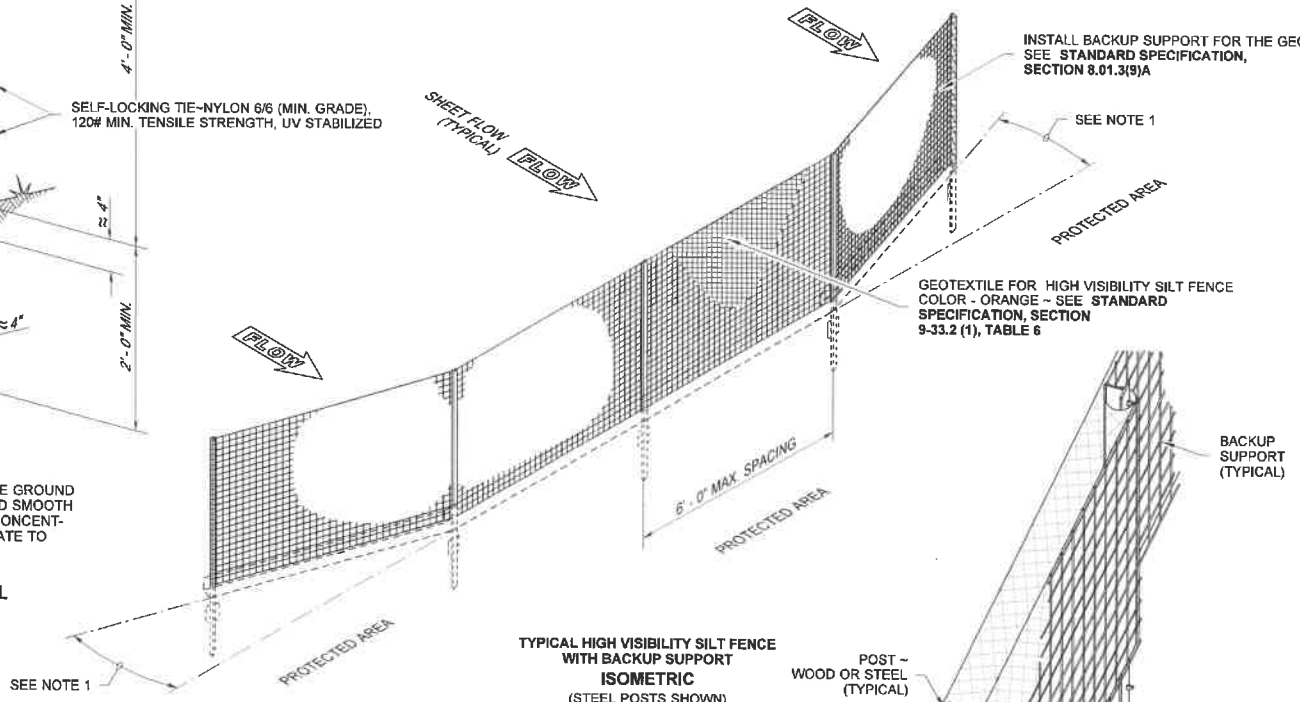
Washington State Department of Transportation



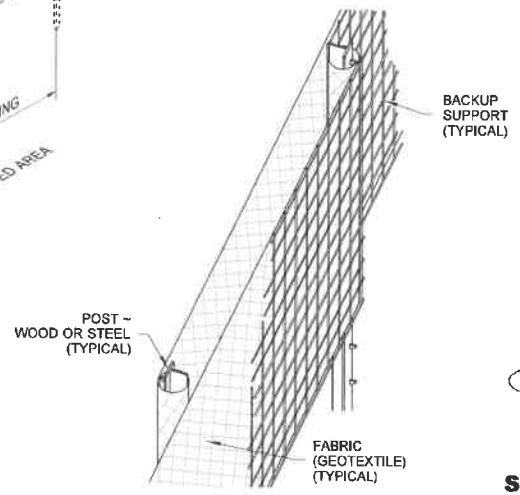
NOTE

DURING EXCAVATION, MINIMIZE DISTURBING THE GROUND AROUND TRENCH AS MUCH AS IS FEASIBLE, AND SMOOTH SURFACE FOLLOWING EXCAVATION TO AVOID CONCENTRATING FLOWS. COMPACTION MUST BE ADEQUATE TO PREVENT UNDERCUTTING FLOWS.

TYPICAL INSTALLATION DETAIL
(STEEL POSTS SHOWN)



TYPICAL HIGH VISIBILITY SILT FENCE WITH BACKUP SUPPORT
ISOMETRIC
(STEEL POSTS SHOWN)



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

SPLICE DETAIL
(STEEL POSTS SHOWN)

NOTES

1. Angle high visibility silt fence terminal end uphill 24" (in) to 48" (in) to prevent sediment from flowing around the end of the fence.
2. Perform maintenance in accordance with **Standard Specification, Sections 8-01.3(9)A and 8-01.3(15)**.
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.

STATE OF WASHINGTON · JULI DEE HARTWIG · NO. 1422 EXP. 06/21/2021 · LANDSCAPE ARCHITECT

Hartwig, Juli
Jul 11 2019 11:26 AM
cosign

HIGH VISIBILITY SILT FENCE WITH BACKUP SUPPORT

STANDARD PLAN I-30.16-01

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Roark, Steve
Jul 11 2019 12:30 PM
cosign
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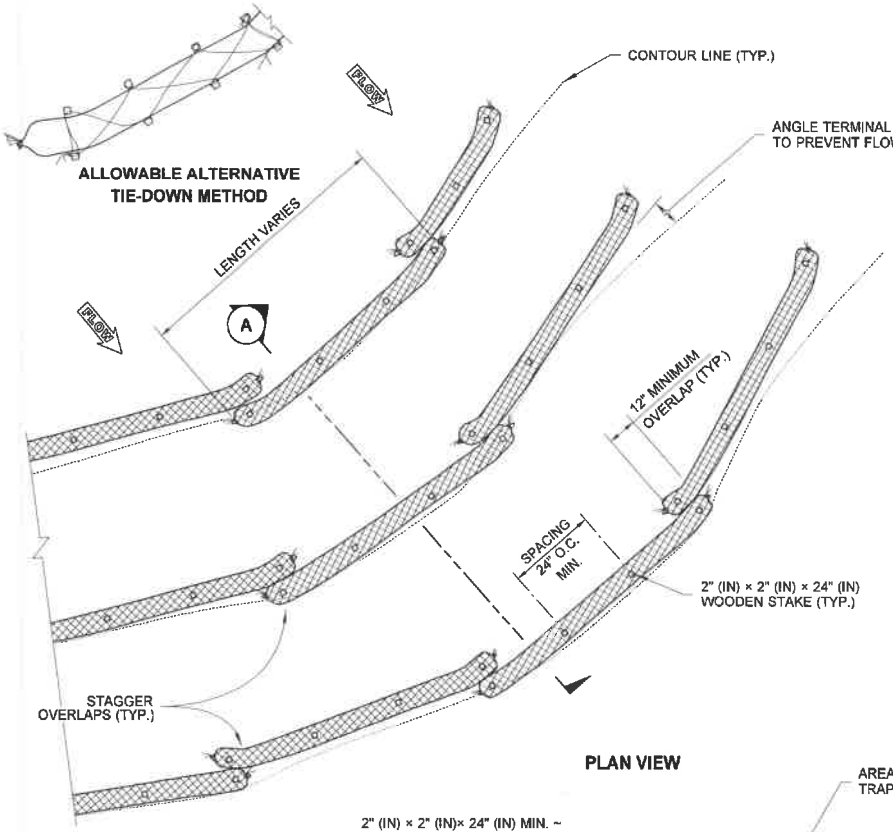
DRAWN BY: BILL BERENS

DRAWN BY: FERN LIDDELL

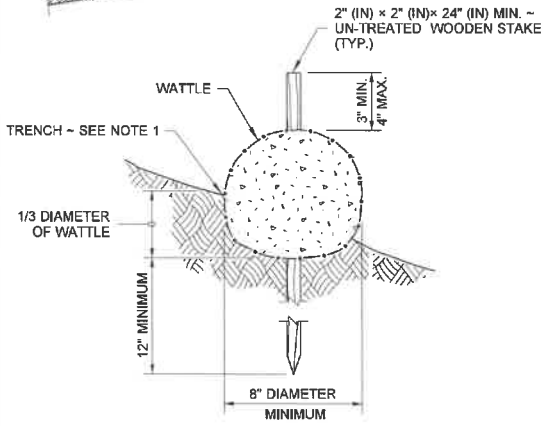


PLAN VIEW

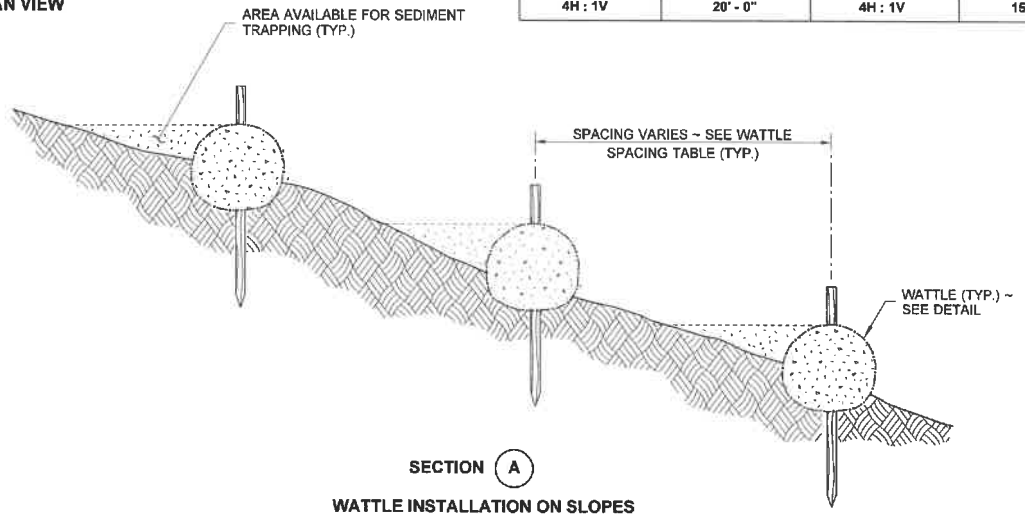
NOTES

1. Wattles shall be in accordance with **Standard Specification, Section 9-14.5(5).** Install Wattles along contours. Installation shall be in accordance with **Standard Specification, Section 8-01.3(10)**.
2. Securely knot each end of Wattle. Overlap adjacent Wattle ends 12" (in) behind one another and securely tie together.
3. Compact excavated soil and trenches to prevent undercutting. Additional staking may be necessary to prevent undercutting.
4. Install Wattle perpendicular to flow along contours.
5. Wattles shall be inspected regularly, and immediately after a rainfall produces runoff, to ensure they remain thoroughly entrenched and in contact with the soil.
6. Perform maintenance in accordance with **Standard Specification, Section 8-01.3(15).**
7. Refer to **Standard Specification, Section 8-01.3(16)** for removal.

WATTLE SPACING TABLE			
TEMPORARY		PERMANENT	
8" - 10" OR 10" - 12" DIAM.		10" - 12" DIAM.	
SLOPE	MAX. SPACING	SLOPE	MAX. SPACING
1H : 1V	5' - 0"	-	-
2H : 1V	10' - 0"	2H : 1V	5' - 0"
3H : 1V	15' - 0"	3H : 1V	10' - 0"
4H : 1V	20' - 0"	4H : 1V	15' - 0"



WATTLE DETAIL



SECTION (A)

WATTLE INSTALLATION ON SLOPES

STATE OF WASHINGTON · JULI DEE HARTWIG · NO. 1422 EXP. 06/21/2021 · LANDSCAPE ARCHITECT

Hartwig, Juli
Jun 4 2019 8:05 AM

WATTLE INSTALLATION ON SLOPE

STANDARD PLAN I-30.30-02

SHEET 1 OF 1 SHEET

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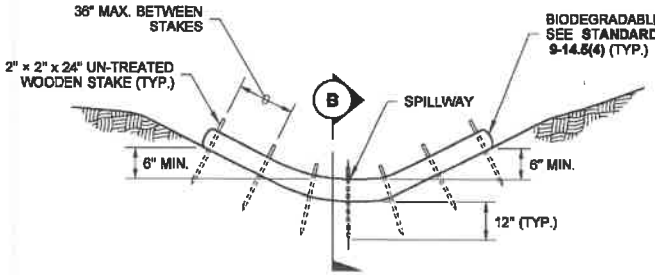
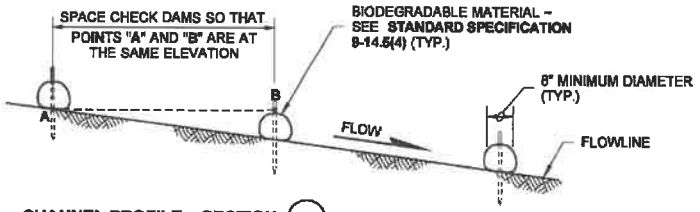
Roark, Steve
Jun 12 2019 7:41 AM
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: FERN LIDDELL



TYPICAL CHANNEL SECTION



CHANNEL PROFILE ~ SECTION (B)

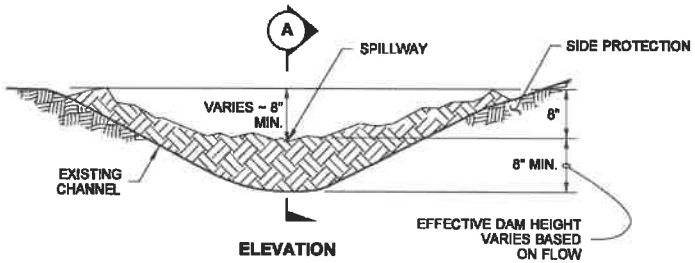
BIODEGRADABLE CHECK DAM

BIODEGRADABLE CHECK DAM NOTE

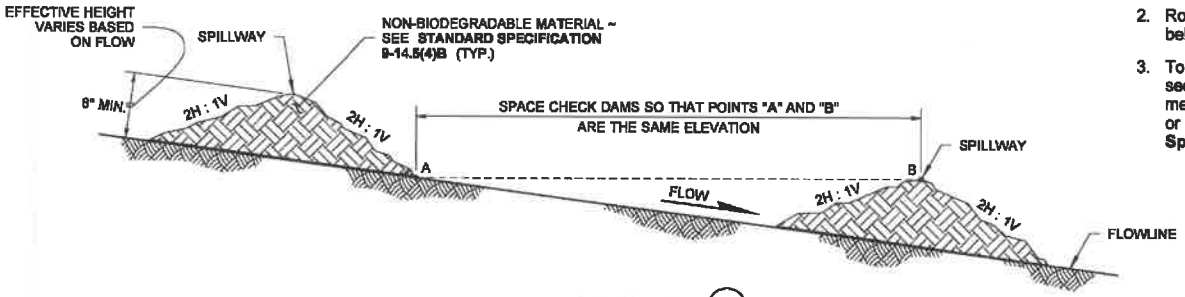
1. Biodegradable Check Dams may need additional or modified staking to prevent undercutting or scouring.

GENERAL NOTES

1. Check Dams shall meet the requirements of **Standard Specifications 8-01.3(6) and 9-14.5(4).**
2. In channels, install the sloped ends of the Check Dam a minimum of 8" higher than the spillway to ensure water flows over the dam and not around it.
3. Perform maintenance in accordance with **Standard Specification 8-01.3(15).**
4. Remove Check Dams in accordance with **Standard Specification 8-01.3(16).**



ELEVATION



EXTENDED SECTION (A)

NON-BIODEGRADABLE CHECK DAM

NON-BIODEGRADABLE CHECK DAM NOTES

1. Non-Biodegradable Manufactured Check Dam devices approved for use under **Standard Specification 9-14.5(4)** shall be installed per manufacturer's recommendations and shall perform in accordance with **Standard Specification 8-01.3(6).**
2. Rock Check Dams shall be placed outside of the clear zone or behind traffic barrier.
3. To ensure adequate damming time, Rock Check Dams used as sediment control may need to be enhanced with plastic that meets the requirements of **Standard Specification 9-14.5(3)** or fabric that meets the geotextile requirements of **Standard Specification 9-33.2(1), Table 6.**

STATE OF WASHINGTON
REGISTERED
LANDSCAPE ARCHITECT
Sandra L. Salisbury
SANDRA L. SALISBURY
LICENSE NO. 860
DATE: June 6, 2013

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CHECK DAMS ON CHANNELS

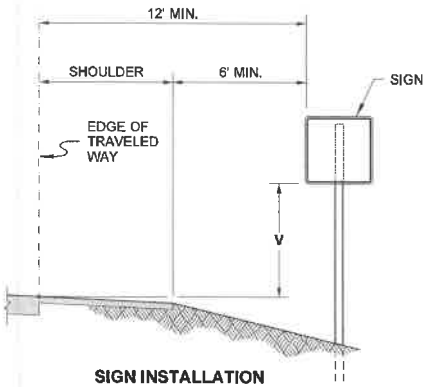
STANDARD PLAN I-50.20-01

SHEET 1 OF 1 SHEET

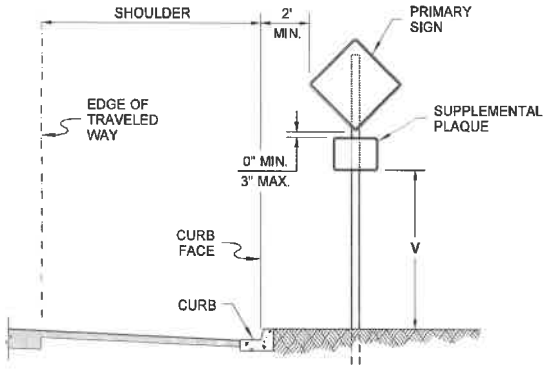
APPROVED FOR PUBLICATION

Pasco Bakotich III — STATE DESIGN ENGINEER — *6/10/13* — DATE

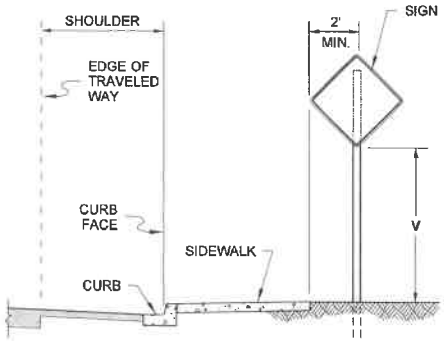
Washington State Department of Transportation



SIGN INSTALLATION (FILL SECTION)



SIGN INSTALLATION (CURB SECTION)

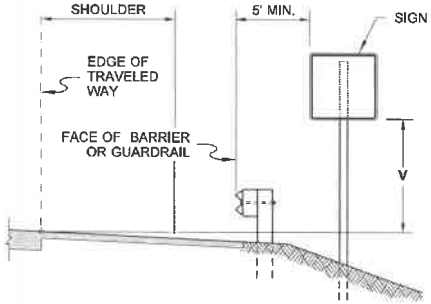


SIGN INSTALLATION (SIDEWALK AND CURB SECTION)

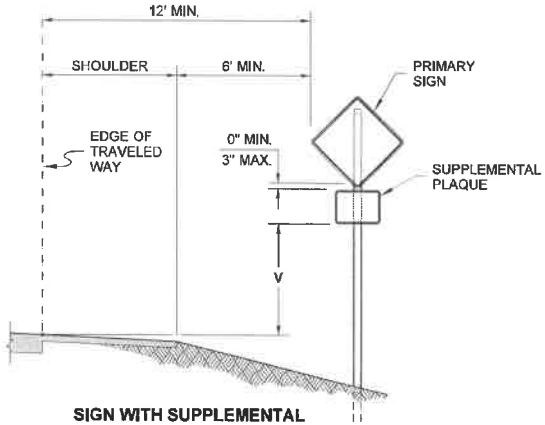
NOTES

1. For sign installation details, see **Standard Plan G - series.**
2. Where it is impractical to locate a sign with the lateral offset, a minimum of 2'(ft) offset may be used. A 1'(ft) lateral offset may be used in business, commercial or residential areas.
3. The **"V"** height for signs, with an area of more than 50 square feet and two or more sign supports, is 7 feet in both rural and urban areas.

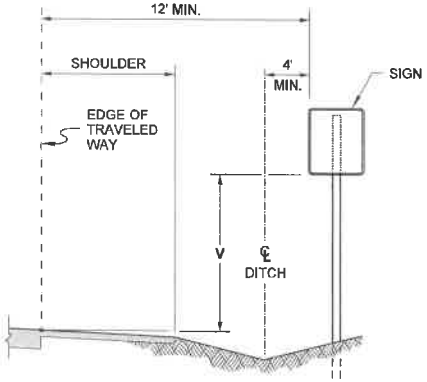
HEIGHT V		
	TO BOTTOM OF SIGN (NO SUPPLEMENTAL PLAQUE)	TO BOTTOM OF SUPPLEMENTAL PLAQUE (WHEN REQUIRED)
RURAL	5' MINIMUM	4' MINIMUM
URBAN	7' MINIMUM	6' MINIMUM



SIGN INSTALLATION (BEHIND TRAFFIC BARRIER)



SIGN WITH SUPPLEMENTAL PLAQUE INSTALLATION (FILL SECTION)



SIGN INSTALLATION (DITCH SECTION)

DRAWN BY: FERN LIDDELL

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

2020.09.23 13:48:58 -07'00'

CLASS A CONSTRUCTION SIGNING INSTALLATION

STANDARD PLAN K-80.10-02

SHEET 1 OF 1 SHEET

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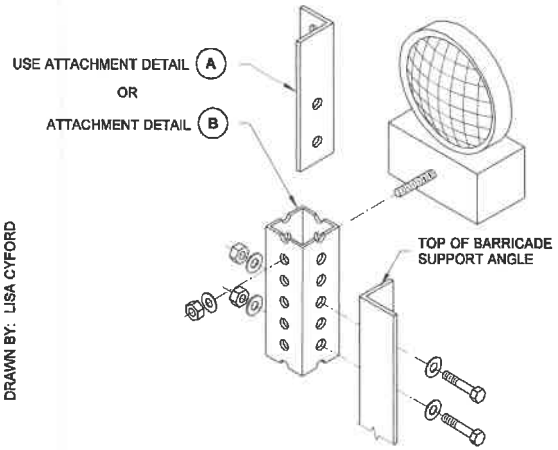
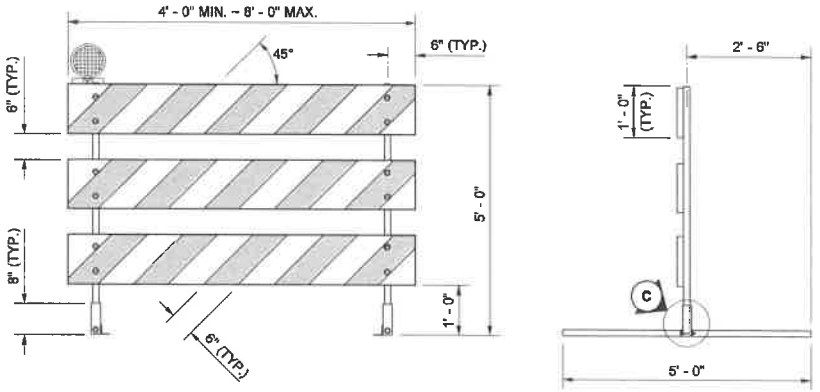
Date: 2020.09.25 14:46:01 -07'00'
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: LISA CYFORD



WARNING LIGHT ATTACHMENT DETAIL



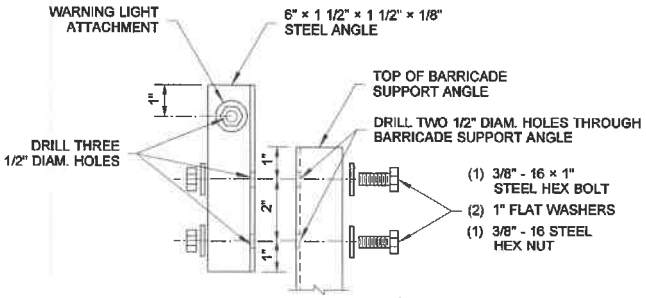
ELEVATION

SIDE

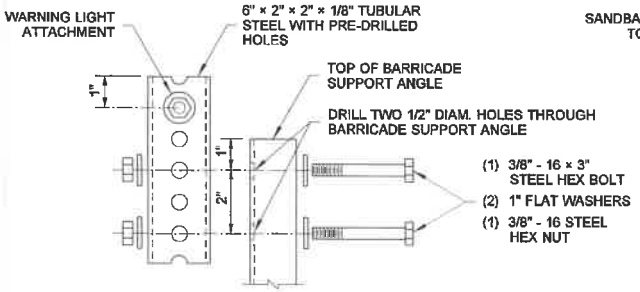
TYPE 3 BARRICADE

NOTES

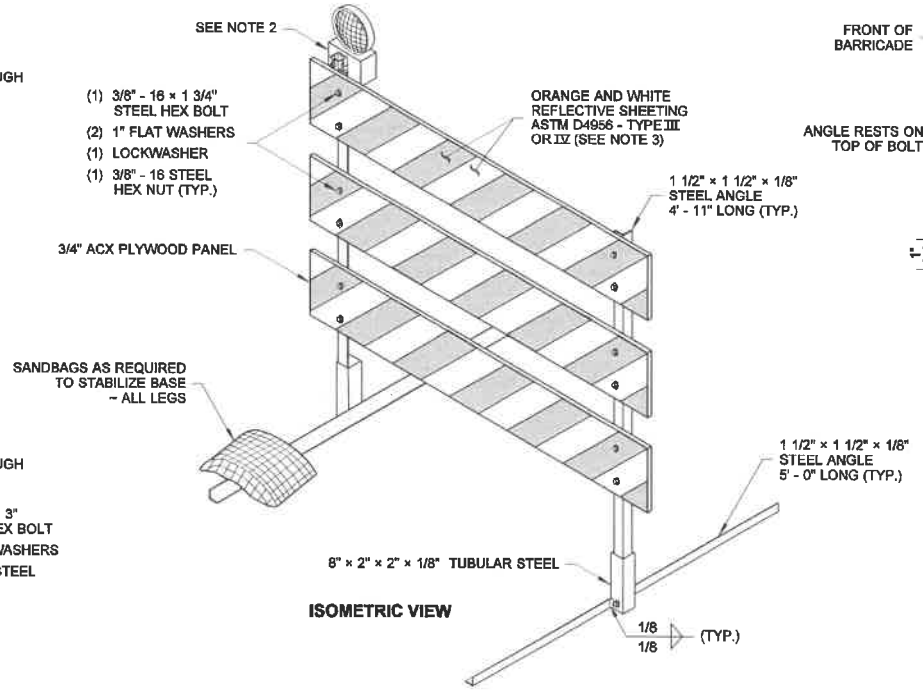
1. All fasteners may be zinc plated, galvanized or stainless steel. All steel angle and tubular steel shall be hot-rolled, high carbon steel, painted or galvanized.
2. Install one lightweight Type A Low-Intensity flashing warning light on the traffic side of the barricade. Install two Type A Low-Intensity flashing warning lights per barricade when the barricades are used to close a roadway. Attach the light to the barricade according to the light manufacturer's recommendations or use the details shown on this plan.
3. Stripes on barricade rails shall be alternating orange and white retroreflective stripes (sloping downward at an angle of 45 degrees in the direction traffic is to pass).
4. The Type 3 barricade design shown on this plan meets the crash test requirements of NCHRP 350. Alternative designs may be approved if they conform to the NCHRP 350 crash test criteria and the MUTCD.
5. When a sign is mounted on the barricade, it shall be securely bolted to at least two plywood panels. The top of the sign shall not be higher than the top panel of the barricade.
6. When sandbags are used in freezing weather, Urea fertilizer shall be mixed with the sand in a quantity to prevent the sand from freezing.



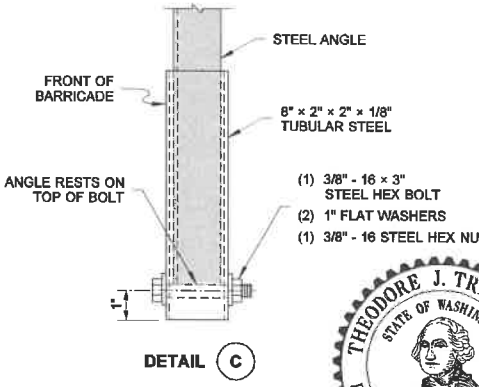
ATTACHMENT DETAIL (A)



ATTACHMENT DETAIL (B)



ISOMETRIC VIEW



DETAIL (C)

EXPIRES AUGUST 9, 2007

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TYPE 3 BARRICADE

STANDARD PLAN K-80.20-00

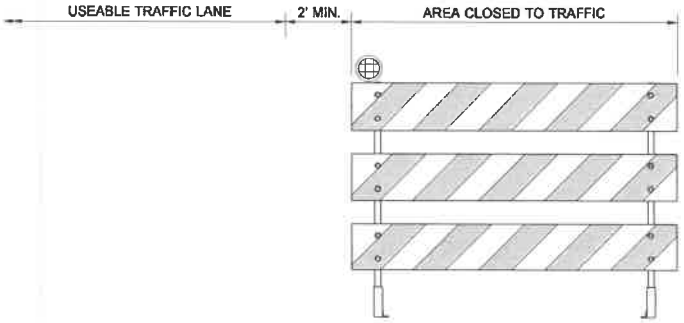
SHEET 1 OF 2 SHEETS

APPROVED FOR PUBLICATION

Kevin J. Dayton — STATE DESIGN ENGINEER — *12-20-06* — DATE

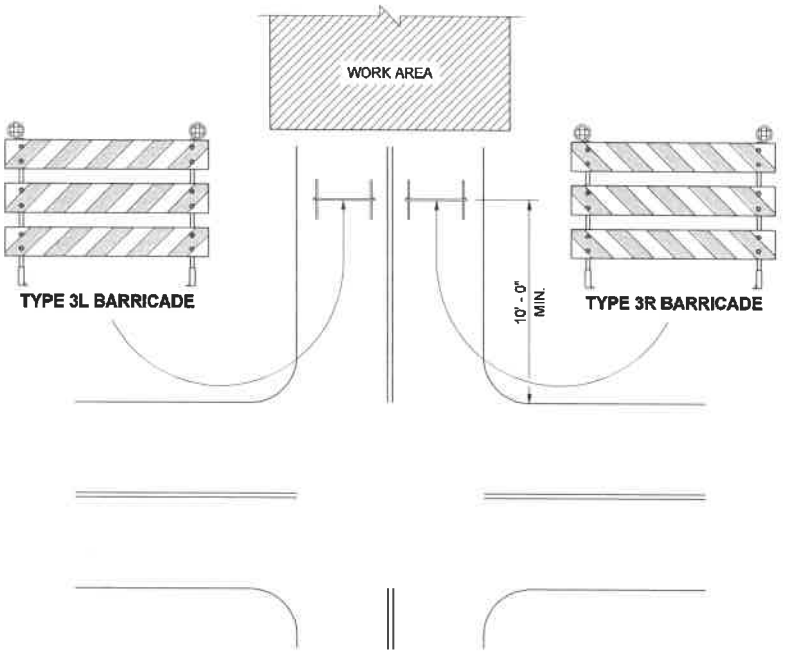
Washington State Department of Transportation

DRAWN BY: LISA CYFORD

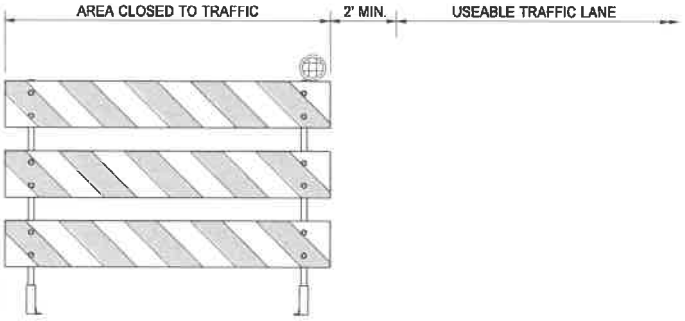


TYPE 3L BARRICADE

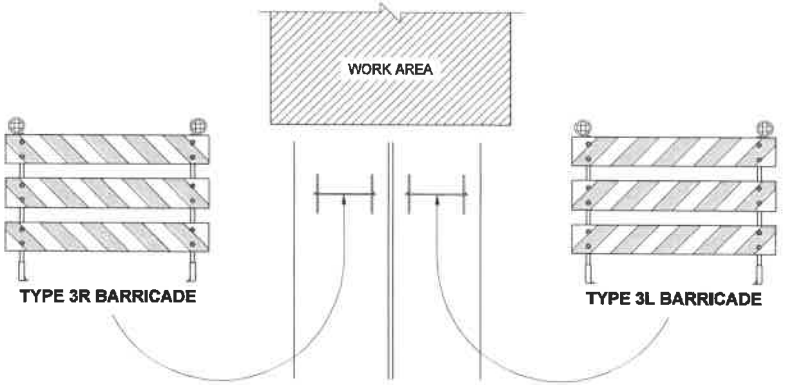
STRIPES ON THE BARRICADES SHALL SLOPE DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS



ROAD CLOSURE AT INTERSECTION



TYPE 3R BARRICADE



ROAD CLOSURE AT OTHER LOCATIONS

BARRICADE PLACEMENT

THEODORE J. TREPANIER
STATE OF WASHINGTON
25335
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES AUGUST 9, 2007

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TYPE 3 BARRICADE

STANDARD PLAN K-80.20-00

SHEET 2 OF 2 SHEETS

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Kevin J. Dayton — STATE DESIGN ENGINEER

12-20-06 — DATE

Washington State Department of Transportation

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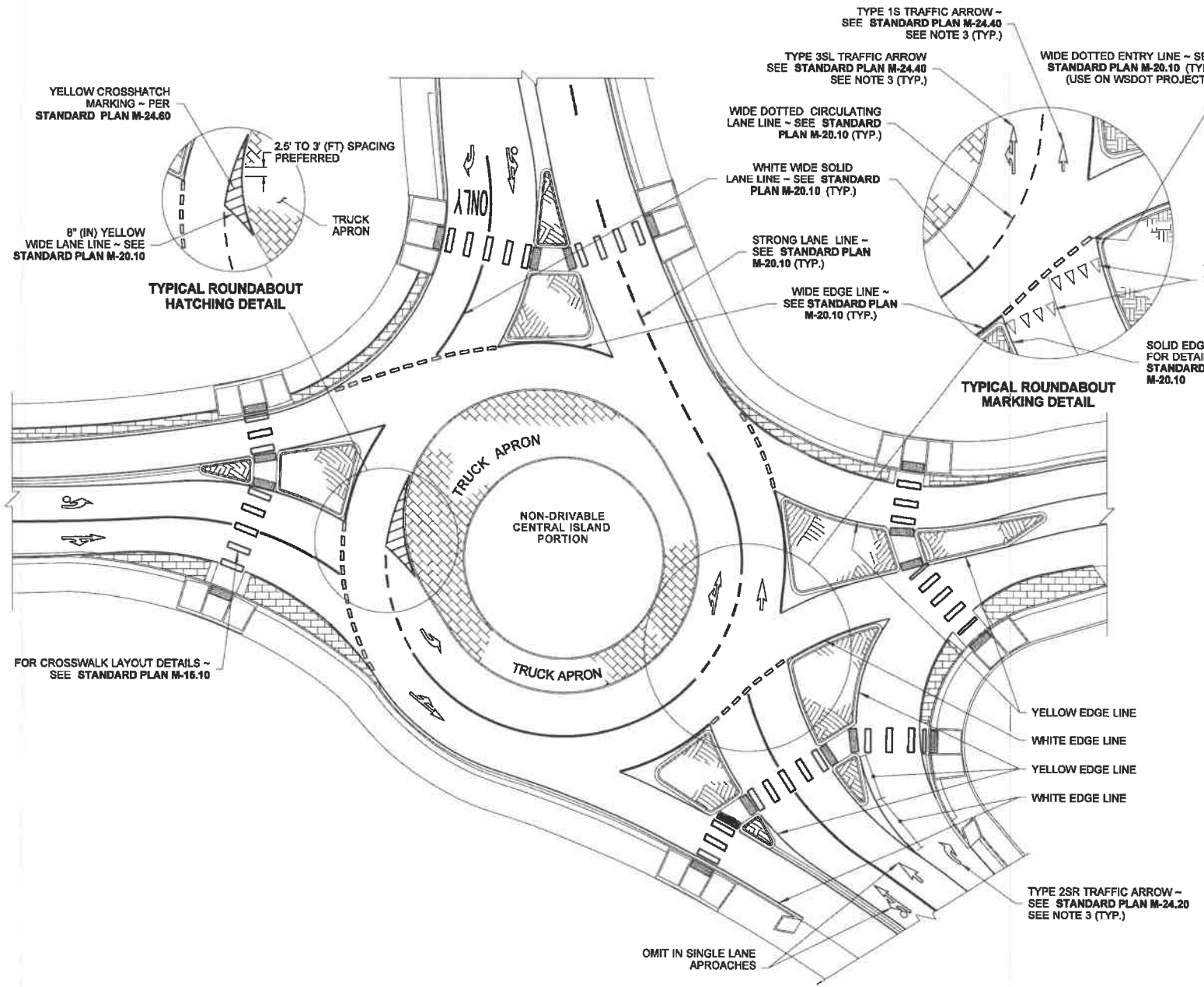
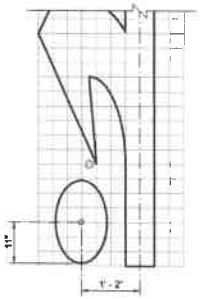


NOTES

1. These details can vary greatly according to the Contract plans.
2. The need for Advance Roundabout Traffic Arrows is based upon posted speed of approach roadway.
3. Place Arrows in the circulating lanes as close as possible to the center of the lane to avoid having them in the wheel paths.
4. Local agencies (on non-state route intersections) may elect to use Yield Line Symbol Type 2 (sharks teeth) prior to the Wide Dotted Entry Line. See **Standard Plan M-24.60** for details.
5. Check with Region Traffic office regarding RPM and Guidepost placement and use.



ROUNDABOUT CIRCLE MARKING DETAIL
WITH TYPE 3SL TRAFFIC ARROW ~ SEE **STANDARD PLAN M-24.40**

BRIAN J. WALSH STATE OF WASHINGTON 36103 REGISTERED PROFESSIONAL ENGINEER

Walsh, Brian
Sep 23 2020 3:45 PM

ROUNDABOUT PAVEMENT MARKINGS

STANDARD PLAN M-12.10-02

SHEET 1 OF 1 SHEET

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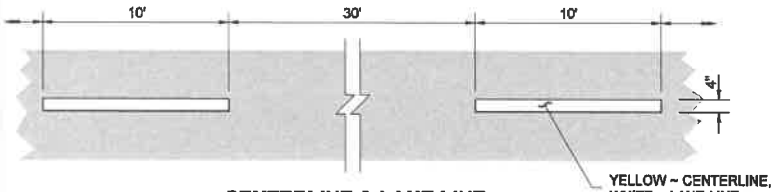
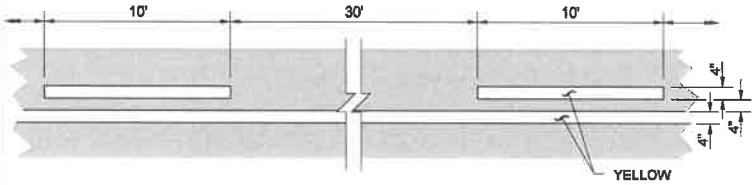
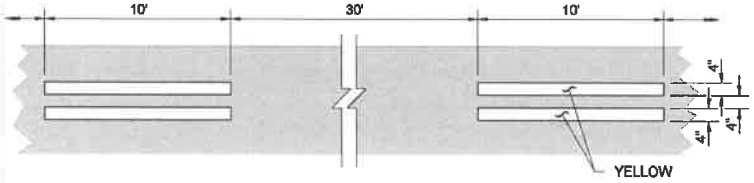


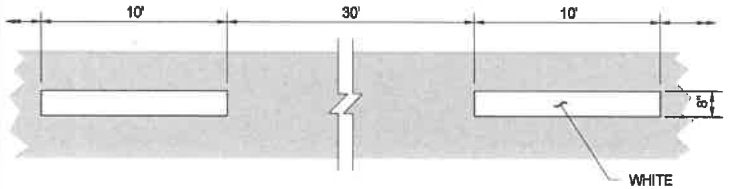
CENTERLINE & LANE LINE



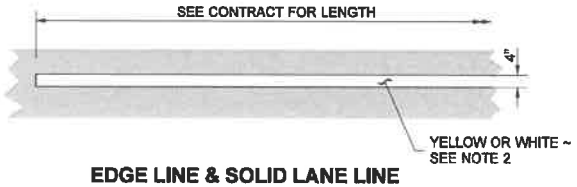
NO-PASS LINE & TWO-WAY LEFT-TURN CENTERLINE



REVERSIBLE LANE LINE



WIDE BROKEN LANE LINE

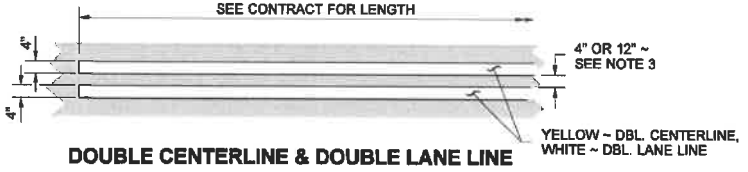


EDGE LINE & SOLID LANE LINE

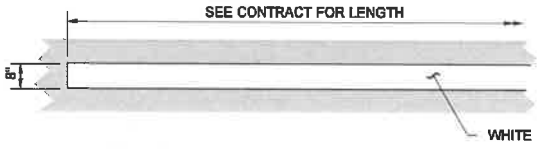
NOTES

1. Dotted Extension Line shall be the same color as the line it is extending.
2. Edge Line shall be white on the right edge of traveled way, and yellow on the left edge of traveled way (on one-way roadways). Solid Lane Line shall be white.
3. The distance between the lines of the Double Centerline shall be 12" everywhere, except 4" for left-turn channelization and narrow roadways with lane widths of 10 feet or less. Local Agencies (on non-state routes) may specify a 4" distance for all locations.

   The distance between the lines of the Double Lane Line shall be 4".

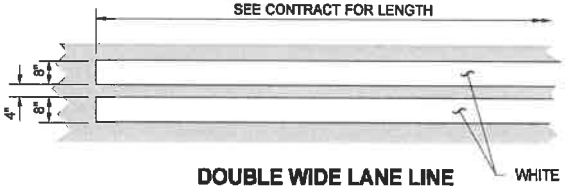


DOUBLE CENTERLINE & DOUBLE LANE LINE

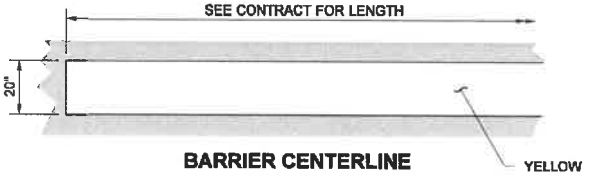


WIDE EDGE LINE & WIDE SOLID LANE LINE

OPTION TO USE AS CIRCULATORY ON ROUNDABOUT APPLICATIONS



DOUBLE WIDE LANE LINE



BARRIER CENTERLINE

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Sep 23 2020 3:46 PM

cosign

LONGITUDINAL MARKING PATTERNS

STANDARD PLAN M-20.10-03

SHEET 1 OF 2 SHEETS

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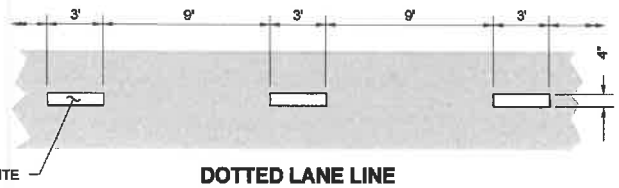
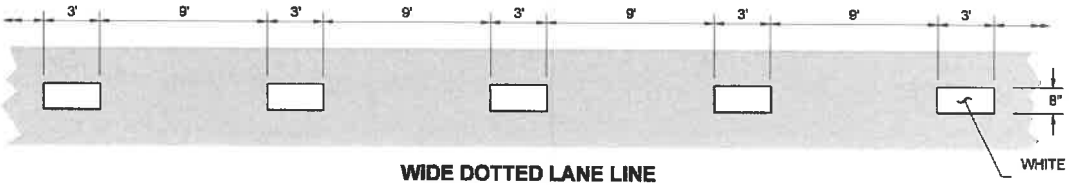
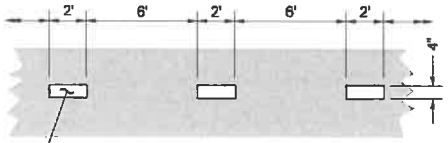
STATE DESIGN ENGINEER
Washington State Department of Transportation



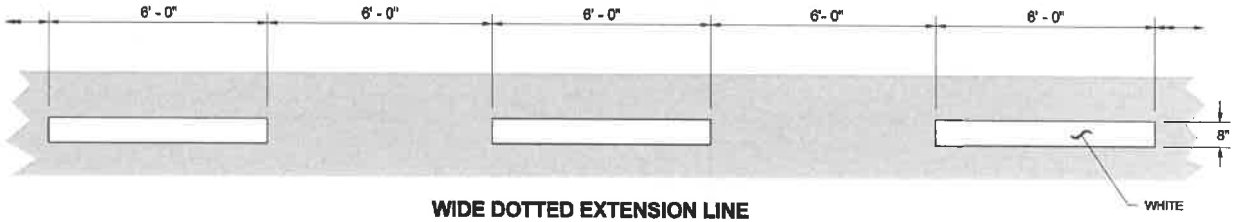
DOTTED LANE LINE



WIDE DOTTED LANE LINE



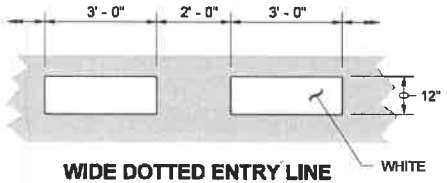
DOTTED EXTENSION LINE



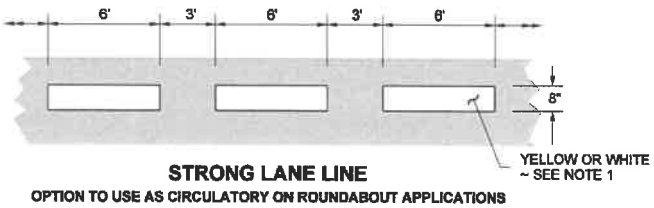
WIDE DOTTED EXTENSION LINE

DRAWN BY: FERN LIDDELL

Roundabout Specific Lines

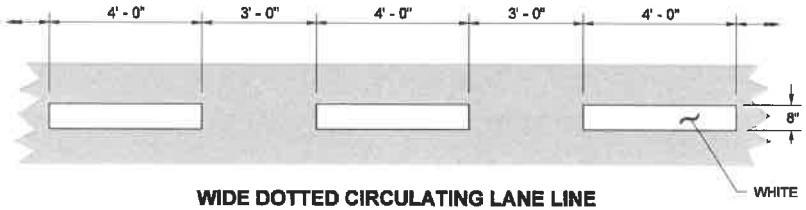


WIDE DOTTED ENTRY LINE



STRONG LANE LINE

OPTION TO USE AS CIRCULATORY ON ROUNDABOUT APPLICATIONS



WIDE DOTTED CIRCULATING LANE LINE

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Sep 23 2020 3:50 PM
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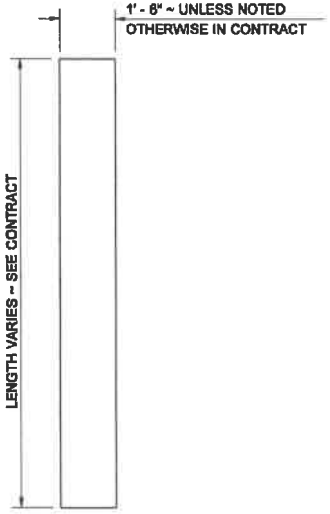
LONGITUDINAL MARKING PATTERNS

STANDARD PLAN M-20.10-03

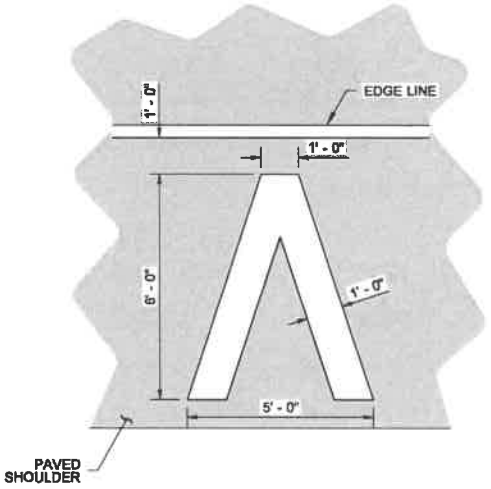
SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION
Date: 2020.09.25
14:59:30 -07'00'
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: LISA CYFORD

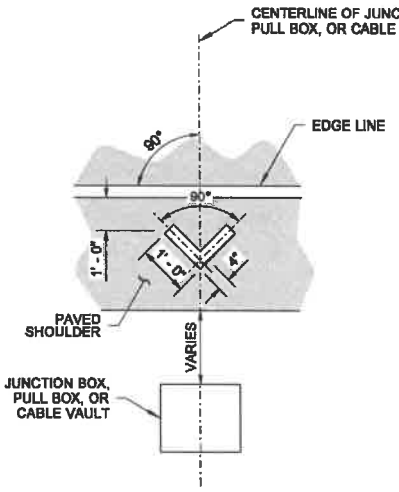


STOP LINE



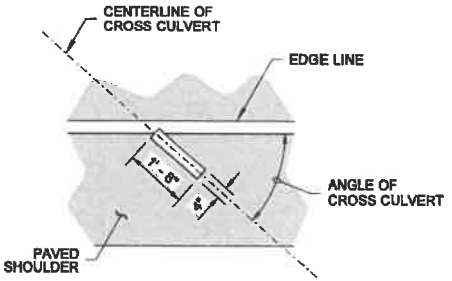
MARKING AREA = 11.73 SQ.FT.

HALF-MILE MARKER



MARKING AREA = 0.56 SQ. FT.

JUNCTION BOX, PULL BOX, OR CABLE VAULT MARKINGS



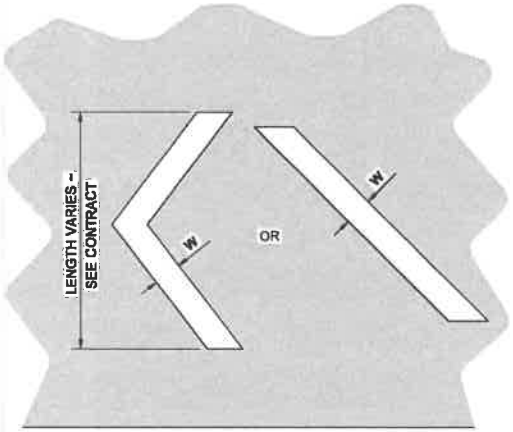
MARKING AREA = 0.56 SQ.FT.

CROSS CULVERT

DRAINAGE MARKING

NOTE

1. If Rumble Strips are present, install marking outside of the Rumble Strip.

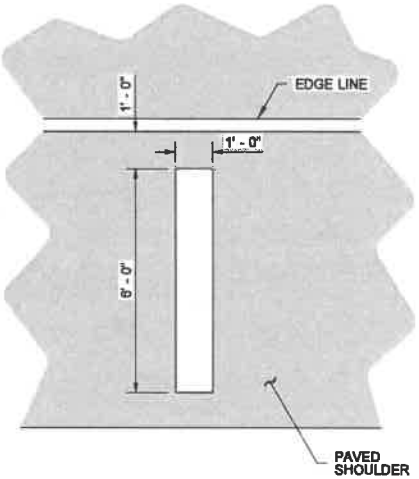


WHITE OR YELLOW ~ SEE CONTRACT

CHEVRON OR DIAGONAL

CROSSHATCH MARKING

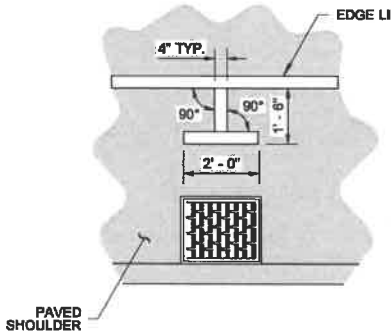
W = 6" (IN) FOR POSTED SPEED LIMIT OF 40 MPH OR LOWER
W = 12" (IN) FOR POSTED SPEED LIMIT OF 45 MPH OR HIGHER



MARKING AREA = 6.00 SQ.FT.

FULL MILE MARKER

AERIAL SURVEILLANCE MARKERS



MARKING AREA = 1.06 SQ.FT.

DRAINAGE STRUCTURE INLET

DRAINAGE MARKING

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Jun 24 2014 2:35 PM

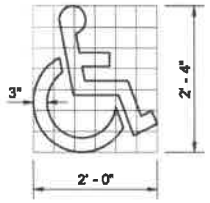
SYMBOL MARKINGS MISCELLANEOUS

STANDARD PLAN M-24.60-04

SHEET 1 OF 2 SHEETS

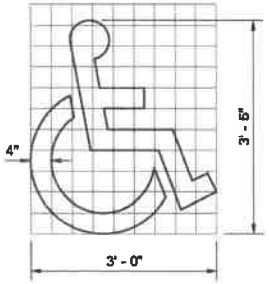
APPROVED FOR PUBLICATION
Bakotich, Pasco
Jun 24 2014 4:43 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

DRAWN BY: LISA CYFORD



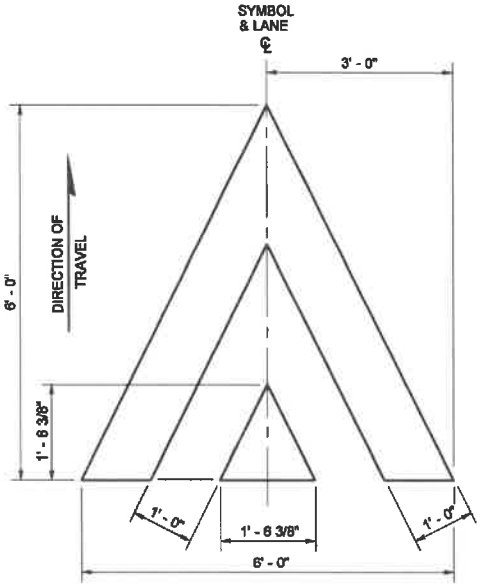
GRID IS 4" (IN) SQUARE MARKING AREA = 1.41 SQ.FT.

ACCESS PARKING SPACE SYMBOL (MINIMUM)



GRID IS 4" (IN) SQUARE MARKING AREA = 3.09 SQ.FT.

ACCESS PARKING SPACE SYMBOL (STANDARD)

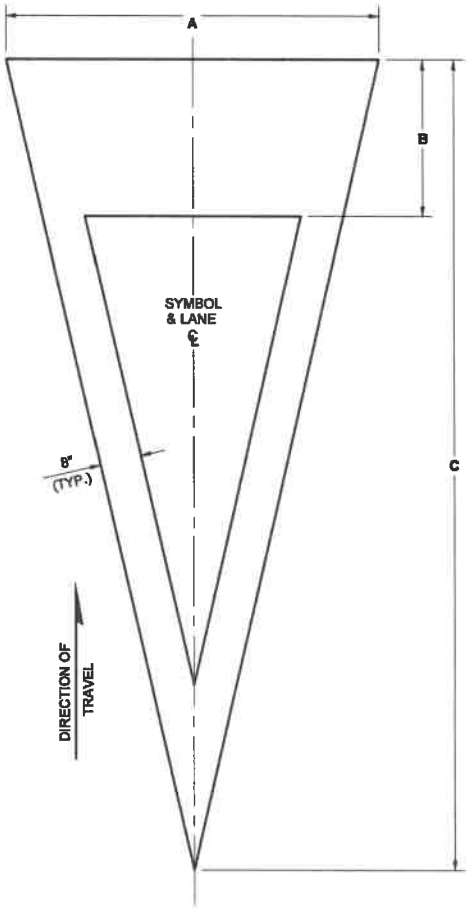


MARKING AREA = 12.08 SQ.FT.

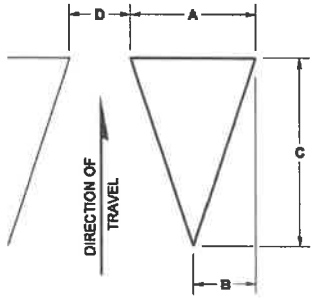
SPEED BUMP SYMBOL

SYMBOL MARKING		A	B	C	D	USE	MARKING AREA
YIELD AHEAD SYMBOL	TYPE 1	6' - 0"	2' - 6"	13' - 0"	N/A	LESS THAN 45 MPH	25.90 SQ.FT.
	TYPE 2	6' - 0"	3' - 0"	20' - 0"	N/A	45 MPH OR GREATER	36.54 SQ.FT.
YIELD LINE SYMBOL	TYPE 1	1' - 0"	6"	1' - 6"	6"	LESS THAN 45 MPH	0.75 SQ.FT.
	TYPE 2	2' - 0"	1' - 0"	3' - 0"	1' - 0"	45 MPH OR GREATER	3.00 SQ.FT.
	TYPE 2	2' - 0"	1' - 0"	3' - 0"	1' - 0"	ROUNDABOUT ENTRY *	3.00 SQ.FT.

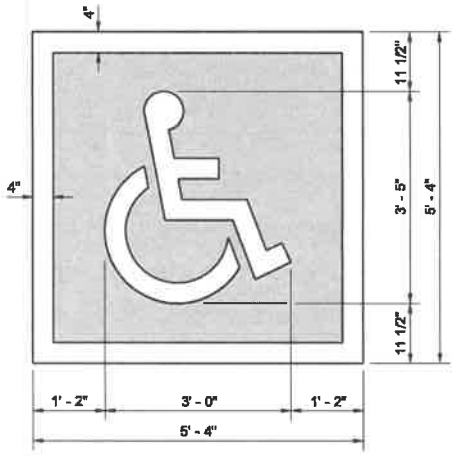
* MINIMUM OF 4 IN LANE



YIELD AHEAD SYMBOL

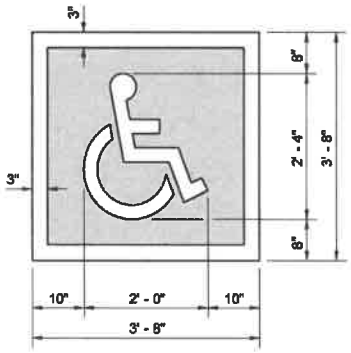


YIELD LINE SYMBOL
(MULTIPLE SYMBOLS REQUIRED FOR TRANSVERSE YIELD LINE – SEE CONTRACT)



TOTAL MARKING AREA = 28.44 SQ.FT.
WHITE = 9.76 SQ.FT. BLUE = 18.69 SQ.FT.

ACCESS PARKING SPACE SYMBOL (STANDARD)
WITH BLUE BACKGROUND AND WHITE BORDER
(REQUIRED FOR CEMENT CONCRETE SURFACES)



TOTAL MARKING AREA = 13.44 SQ.FT.
WHITE = 4.82 SQ.FT. BLUE = 8.62 SQ.FT.

ACCESS PARKING SPACE SYMBOL (MINIMUM)
WITH BLUE BACKGROUND AND WHITE BORDER
(REQUIRED FOR CEMENT CONCRETE SURFACES)

BRIAN J. WALSH
STATE OF WASHINGTON
36103
REGISTERED
PROFESSIONAL ENGINEER

Walsh, Brian
Jun 24 2014 2:37 PM

SYMBOL MARKINGS MISCELLANEOUS

STANDARD PLAN M-24.60-04

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION
Bakotich, Pasco
Jun 24 2014 4:43 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

APPENDIX B

Washington State Prevailing Wage Rates

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

Washington State Prevailing Wage

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

Journey Level Prevailing Wage Rates for the Effective Date: 7/19/2021

County	Trade	Job Classification	Wage	Holiday	Overtime	Note	*Risk Class
Skagit	Asbestos Abatement Workers	Journey Level	$52.39	5D	1H		View
Skagit	Boilermakers	Journey Level	$70.79	5N	1C		View
Skagit	Brick Mason	Journey Level	$60.57	7E	1N		View
Skagit	Brick Mason	Pointer-Caulker-Cleaner	$60.57	7E	1N		View
Skagit	Building Service Employees	Janitor	$13.69		1		View
Skagit	Building Service Employees	Shampooer	$13.69		1		View
Skagit	Building Service Employees	Waxer	$13.69		1		View
Skagit	Building Service Employees	Window Cleaner	$13.69		1		View
Skagit	Cabinet Makers (In Shop)	Journey Level	$18.85		1		View
Skagit	Carpenters	Acoustical Worker	$64.94	7A	4C		View
Skagit	Carpenters	Carpenter	$64.94	7A	4C		View
Skagit	Carpenters	Carpenters on Stationary Tools	$65.07	7A	4C		View
Skagit	Carpenters	Creosoted Material	$65.07	7A	4C		View
Skagit	Carpenters	Floor Finisher	$64.94	7A	4C		View
Skagit	Carpenters	Floor Layer	$64.94	7A	4C		View
Skagit	Carpenters	Scaffold Erector	$64.94	7A	4C		View
Skagit	Cement Masons	Application of all Composition Mastic	$64.84	7A	4U		View
Skagit	Cement Masons	Application of all Epoxy Material	$64.34	7A	4U		View
Skagit	Cement Masons	Application of all Plastic Material	$64.84	7A	4U		View
Skagit	Cement Masons	Application of Sealing Compound	$64.34	7A	4U		View
Skagit	Cement Masons	Application of Underlayment	$64.84	7A	4U		View
Skagit	Cement Masons	Building General	$64.34	7A	4U		View
Skagit	Cement Masons	Composition or Kalman Floors	$64.84	7A	4U		View
Skagit	Cement Masons	Concrete Paving	$64.34	7A	4U		View
Skagit	Cement Masons	Curb & Gutter Machine	$64.84	7A	4U		View
Skagit	Cement Masons	Curb & Gutter, Sidewalks	$64.34	7A	4U		View
Skagit	Cement Masons	Curing Concrete	$64.34	7A	4U		View

Skagit	Cement Masons	Finish Colored Concrete	$64.84	7A	4U		View
Skagit	Cement Masons	Floor Grinding	$64.84	7A	4U		View
Skagit	Cement Masons	Floor Grinding/Polisher	$64.34	7A	4U		View
Skagit	Cement Masons	Green Concrete Saw, self-powered	$64.84	7A	4U		View
Skagit	Cement Masons	Grouting of all Plates	$64.34	7A	4U		View
Skagit	Cement Masons	Grouting of all Tilt-up Panels	$64.34	7A	4U		View
Skagit	Cement Masons	Gunite Nozzleman	$64.84	7A	4U		View
Skagit	Cement Masons	Hand Powered Grinder	$64.84	7A	4U		View
Skagit	Cement Masons	Journey Level	$64.34	7A	4U		View
Skagit	Cement Masons	Patching Concrete	$64.34	7A	4U		View
Skagit	Cement Masons	Pneumatic Power Tools	$64.84	7A	4U		View
Skagit	Cement Masons	Power Chipping & Brushing	$64.84	7A	4U		View
Skagit	Cement Masons	Sand Blasting Architectural Finish	$64.84	7A	4U		View
Skagit	Cement Masons	Screed & Rodding Machine	$64.84	7A	4U		View
Skagit	Cement Masons	Spackling or Skim Coat Concrete	$64.34	7A	4U		View
Skagit	Cement Masons	Troweling Machine Operator	$64.84	7A	4U		View
Skagit	Cement Masons	Troweling Machine Operator on Colored Slabs	$64.84	7A	4U		View
Skagit	Cement Masons	Tunnel Workers	$64.84	7A	4U		View
Skagit	Divers & Tenders	Bell/Vehicle or Submersible Operator (Not Under Pressure)	$118.80	7A	4C		View
Skagit	Divers & Tenders	Dive Supervisor/Master	$81.98	7A	4C		View
Skagit	Divers & Tenders	Diver	$118.80	7A	4C	8V	View
Skagit	Divers & Tenders	Diver On Standby	$76.98	7A	4C		View
Skagit	Divers & Tenders	Diver Tender	$69.91	7A	4C		View
Skagit	Divers & Tenders	Manifold Operator	$69.91	7A	4C		View
Skagit	Divers & Tenders	Manifold Operator Mixed Gas	$74.91	7A	4C		View
Skagit	Divers & Tenders	Remote Operated Vehicle Operator/Technician	$69.91	7A	4C		View
Skagit	Divers & Tenders	Remote Operated Vehicle Tender	$65.19	7A	4C		View
Skagit	Dredge Workers	Assistant Engineer	$70.62	5D	3F		View
Skagit	Dredge Workers	Assistant Mate (Deckhand)	$70.07	5D	3F		View
Skagit	Dredge Workers	Boatmen	$70.62	5D	3F		View
Skagit	Dredge Workers	Engineer Welder	$71.97	5D	3F		View
Skagit	Dredge Workers	Leverman, Hydraulic	$73.41	5D	3F		View
Skagit	Dredge Workers	Mates	$70.62	5D	3F		View
Skagit	Dredge Workers	Oiler	$70.07	5D	3F		View
Skagit	Drywall Applicator	Journey Level	$64.94	5D	1H		View
Skagit	Drywall Tapers	Journey Level	$65.31	5P	1E		View
Skagit	Electrical Fixture Maintenance Workers	Journey Level	$21.48		1		View
Skagit	Electricians - Inside	Cable Splicer	$79.57	7H	1E		View
Skagit	Electricians - Inside	Construction Stock Person	$37.59	7H	1D		View
Skagit	Electricians - Inside	Journey Level	$74.63	7H	1E		View

Skagit	Electricians - Motor Shop	Craftsman	$15.37		1		View
Skagit	Electricians - Motor Shop	Journey Level	$14.69		1		View
Skagit	Electricians - Powerline Construction	Cable Splicer	$82.39	5A	4D		View
Skagit	Electricians - Powerline Construction	Certified Line Welder	$75.64	5A	4D		View
Skagit	Electricians - Powerline Construction	Groundperson	$49.17	5A	4D		View
Skagit	Electricians - Powerline Construction	Heavy Line Equipment Operator	$75.64	5A	4D		View
Skagit	Electricians - Powerline Construction	Journey Level Lineperson	$75.64	5A	4D		View
Skagit	Electricians - Powerline Construction	Line Equipment Operator	$64.54	5A	4D		View
Skagit	Electricians - Powerline Construction	Meter Installer	$49.17	5A	4D	8W	View
Skagit	Electricians - Powerline Construction	Pole Sprayer	$75.64	5A	4D		View
Skagit	Electricians - Powerline Construction	Powderperson	$56.49	5A	4D		View
Skagit	Electronic Technicians	Electronic Technicians Journey Level	$47.28	5B	1B		View
Skagit	Elevator Constructors	Mechanic	$100.51	7D	4A		View
Skagit	Elevator Constructors	Mechanic In Charge	$108.53	7D	4A		View
Skagit	Fabricated Precast Concrete Products	Journey Level	$13.69		1		View
Skagit	Fabricated Precast Concrete Products	Journey Level - In-Factory Work Only	$13.69		1		View
Skagit	Fence Erectors	Fence Erector	$44.40	7A	4V	8Y	View
Skagit	Fence Erectors	Fence Laborer	$44.40	7A	4V	8Y	View
Skagit	Flaggers	Journey Level	$44.40	7A	4V	8Y	View
Skagit	Glaziers	Journey Level	$69.26	7L	1Y		View
Skagit	Heat & Frost Insulators And Asbestos Workers	Journey Level	$79.43	15H	11C		View
Skagit	Heating Equipment Mechanics	Mechanic	$80.02	7F	1E		View
Skagit	Hod Carriers & Mason Tenders	Journey Level	$54.01	7A	4V	8Y	View
Skagit	Industrial Power Vacuum Cleaner	Journey Level	$13.69		1		View
Skagit	Inland Boatmen	Boat Operator	$61.41	5B	1K		View
Skagit	Inland Boatmen	Cook	$56.48	5B	1K		View
Skagit	Inland Boatmen	Deckhand	$57.48	5B	1K		View
Skagit	Inland Boatmen	Deckhand Engineer	$58.81	5B	1K		View
Skagit	Inland Boatmen	Launch Operator	$58.89	5B	1K		View
Skagit	Inland Boatmen	Mate	$57.31	5B	1K		View
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator, Foamer Operator	$13.69		1		View
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Grout Truck Operator	$13.69		1		View
Skagit	Inspection/Cleaning/Sealing Of	Head Operator	$13.69		1		View

	Sewer & Water Systems By Remote Control						
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$13.69		1		View
Skagit	Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Tv Truck Operator	$13.69		1		View
Skagit	Insulation Applicators	Journey Level	$64.94	7A	4C		View
Skagit	Ironworkers	Journeyman	$76.78	7N	1O		View
Skagit	Laborers	Air, Gas Or Electric Vibrating Screed	$52.39	7A	4V	8Y	View
Skagit	Laborers	Airtrac Drill Operator	$54.01	7A	4V	8Y	View
Skagit	Laborers	Ballast Regular Machine	$52.39	7A	4V	8Y	View
Skagit	Laborers	Batch Weighman	$44.40	7A	4V	8Y	View
Skagit	Laborers	Brick Pavers	$52.39	7A	4V	8Y	View
Skagit	Laborers	Brush Cutter	$52.39	7A	4V	8Y	View
Skagit	Laborers	Brush Hog Feeder	$52.39	7A	4V	8Y	View
Skagit	Laborers	Burner	$52.39	7A	4V	8Y	View
Skagit	Laborers	Caisson Worker	$54.01	7A	4V	8Y	View
Skagit	Laborers	Carpenter Tender	$52.39	7A	4V	8Y	View
Skagit	Laborers	Cement Dumper-paving	$53.35	7A	4V	8Y	View
Skagit	Laborers	Cement Finisher Tender	$52.39	7A	4V	8Y	View
Skagit	Laborers	Change House Or Dry Shack	$52.39	7A	4V	8Y	View
Skagit	Laborers	Chipping Gun (30 Lbs. And Over)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Chipping Gun (Under 30 Lbs.)	$52.39	7A	4V	8Y	View
Skagit	Laborers	Choker Setter	$52.39	7A	4V	8Y	View
Skagit	Laborers	Chuck Tender	$52.39	7A	4V	8Y	View
Skagit	Laborers	Clary Power Spreader	$53.35	7A	4V	8Y	View
Skagit	Laborers	Clean-up Laborer	$52.39	7A	4V	8Y	View
Skagit	Laborers	Concrete Dumper/Chute Operator	$53.35	7A	4V	8Y	View
Skagit	Laborers	Concrete Form Stripper	$52.39	7A	4V	8Y	View
Skagit	Laborers	Concrete Placement Crew	$53.35	7A	4V	8Y	View
Skagit	Laborers	Concrete Saw Operator/Core Driller	$53.35	7A	4V	8Y	View
Skagit	Laborers	Crusher Feeder	$44.40	7A	4V	8Y	View
Skagit	Laborers	Curing Laborer	$52.39	7A	4V	8Y	View
Skagit	Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	$52.39	7A	4V	8Y	View
Skagit	Laborers	Ditch Digger	$52.39	7A	4V	8Y	View
Skagit	Laborers	Diver	$54.01	7A	4V	8Y	View
Skagit	Laborers	Drill Operator (Hydraulic, Diamond)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Dry Stack Walls	$52.39	7A	4V	8Y	View
Skagit	Laborers	Dump Person	$52.39	7A	4V	8Y	View
Skagit	Laborers	Epoxy Technician	$52.39	7A	4V	8Y	View
Skagit	Laborers	Erosion Control Worker	$52.39	7A	4V	8Y	View

Skagit	Laborers	Faller & Bucker Chain Saw	$53.35	7A	4V	8Y	View
Skagit	Laborers	Fine Graders	$52.39	7A	4V	8Y	View
Skagit	Laborers	Firewatch	$44.40	7A	4V	8Y	View
Skagit	Laborers	Form Setter	$52.39	7A	4V	8Y	View
Skagit	Laborers	Gabian Basket Builders	$52.39	7A	4V	8Y	View
Skagit	Laborers	General Laborer	$52.39	7A	4V	8Y	View
Skagit	Laborers	Grade Checker & Transit Person	$54.01	7A	4V	8Y	View
Skagit	Laborers	Grinders	$52.39	7A	4V	8Y	View
Skagit	Laborers	Grout Machine Tender	$52.39	7A	4V	8Y	View
Skagit	Laborers	Groutmen (Pressure) Including Post Tension Beams	$53.35	7A	4V	8Y	View
Skagit	Laborers	Guardrail Erector	$52.39	7A	4V	8Y	View
Skagit	Laborers	Hazardous Waste Worker (Level A)	$54.01	7A	4V	8Y	View
Skagit	Laborers	Hazardous Waste Worker (Level B)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Hazardous Waste Worker (Level C)	$52.39	7A	4V	8Y	View
Skagit	Laborers	High Scaler	$54.01	7A	4V	8Y	View
Skagit	Laborers	Jackhammer	$53.35	7A	4V	8Y	View
Skagit	Laborers	Laserbeam Operator	$53.35	7A	4V	8Y	View
Skagit	Laborers	Maintenance Person	$52.39	7A	4V	8Y	View
Skagit	Laborers	Manhole Builder-Mudman	$53.35	7A	4V	8Y	View
Skagit	Laborers	Material Yard Person	$52.39	7A	4V	8Y	View
Skagit	Laborers	Motorman-Dinky Locomotive	$53.35	7A	4V	8Y	View
Skagit	Laborers	Nozzleman (Concrete Pump, Green Cutter When Using Combination Of High Pressure Air & Water On Concrete & Rock, Sandblast, Gunite, Shotcrete, Water Blaster, Vacuum Blaster)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Pavement Breaker	$53.35	7A	4V	8Y	View
Skagit	Laborers	Pilot Car	$44.40	7A	4V	8Y	View
Skagit	Laborers	Pipe Layer Lead	$54.01	7A	4V	8Y	View
Skagit	Laborers	Pipe Layer/Tailor	$53.35	7A	4V	8Y	View
Skagit	Laborers	Pipe Pot Tender	$53.35	7A	4V	8Y	View
Skagit	Laborers	Pipe Reliner	$53.35	7A	4V	8Y	View
Skagit	Laborers	Pipe Wrapper	$53.35	7A	4V	8Y	View
Skagit	Laborers	Pot Tender	$52.39	7A	4V	8Y	View
Skagit	Laborers	Powderman	$54.01	7A	4V	8Y	View
Skagit	Laborers	Powderman's Helper	$52.39	7A	4V	8Y	View
Skagit	Laborers	Power Jacks	$53.35	7A	4V	8Y	View
Skagit	Laborers	Railroad Spike Puller - Power	$53.35	7A	4V	8Y	View
Skagit	Laborers	Raker - Asphalt	$54.01	7A	4V	8Y	View
Skagit	Laborers	Re-timberman	$54.01	7A	4V	8Y	View
Skagit	Laborers	Remote Equipment Operator	$53.35	7A	4V	8Y	View
Skagit	Laborers	Rigger/Signal Person	$53.35	7A	4V	8Y	View
Skagit	Laborers	Rip Rap Person	$52.39	7A	4V	8Y	View

Skagit	Laborers	Rivet Buster	$53.35	7A	4V	8Y	View
Skagit	Laborers	Rodder	$53.35	7A	4V	8Y	View
Skagit	Laborers	Scaffold Erector	$52.39	7A	4V	8Y	View
Skagit	Laborers	Scale Person	$52.39	7A	4V	8Y	View
Skagit	Laborers	Sloper (Over 20")	$53.35	7A	4V	8Y	View
Skagit	Laborers	Sloper Sprayer	$52.39	7A	4V	8Y	View
Skagit	Laborers	Spreader (Concrete)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Stake Hopper	$52.39	7A	4V	8Y	View
Skagit	Laborers	Stock Piler	$52.39	7A	4V	8Y	View
Skagit	Laborers	Swinging Stage/Boatswain Chair	$44.40	7A	4V	8Y	View
Skagit	Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$53.35	7A	4V	8Y	View
Skagit	Laborers	Tamper (Multiple & Self-propelled)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Toolroom Person (at Jobsite)	$52.39	7A	4V	8Y	View
Skagit	Laborers	Topper	$52.39	7A	4V	8Y	View
Skagit	Laborers	Track Laborer	$52.39	7A	4V	8Y	View
Skagit	Laborers	Track Liner (Power)	$53.35	7A	4V	8Y	View
Skagit	Laborers	Traffic Control Laborer	$47.48	7A	4V	9C	View
Skagit	Laborers	Traffic Control Supervisor	$50.31	7A	4V	9C	View
Skagit	Laborers	Truck Spotter	$52.39	7A	4V	8Y	View
Skagit	Laborers	Tugger Operator	$53.35	7A	4V	8Y	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$129.67	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$134.70	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$138.38	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$144.08	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$146.20	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$151.30	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$153.20	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$155.20	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$157.20	7A	4V	9B	View
Skagit	Laborers	Tunnel Work-Guage and Lock Tender	$54.11	7A	4V	8Y	View
Skagit	Laborers	Tunnel Work-Miner	$54.11	7A	4V	8Y	View
Skagit	Laborers	Vibrator	$53.35	7A	4V	8Y	View
Skagit	Laborers	Vinyl Seamer	$52.39	7A	4V	8Y	View
Skagit	Laborers	Watchman	$40.36	7A	4V	8Y	View
Skagit	Laborers	Welder	$53.35	7A	4V	8Y	View

Skagit	Laborers	Well Point Laborer	$53.35	7A	4V	8Y	View
Skagit	Laborers	Window Washer/Cleaner	$40.36	7A	4V	8Y	View
Skagit	Laborers - Underground Sewer & Water	General Laborer & Topman	$52.39	7A	4V	8Y	View
Skagit	Laborers - Underground Sewer & Water	Pipe Layer	$53.35	7A	4V	8Y	View
Skagit	Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$40.36	7A	4V	8Y	View
Skagit	Landscape Construction	Landscape Operator	$72.28	7A	3K	8X	View
Skagit	Landscape Maintenance	Groundskeeper	$14.18		1		View
Skagit	Lathers	Journey Level	$64.94	5D	1H		View
Skagit	Marble Setters	Journey Level	$60.57	7E	1N		View
Skagit	Metal Fabrication (In Shop)	Fitter	$15.16		1		View
Skagit	Metal Fabrication (In Shop)	Laborer	$13.69		1		View
Skagit	Metal Fabrication (In Shop)	Machine Operator	$13.69		1		View
Skagit	Metal Fabrication (In Shop)	Painter	$13.69		1		View
Skagit	Metal Fabrication (In Shop)	Welder	$15.16		1		View
Skagit	Millwright	Journey Level	$66.44	7A	4C		View
Skagit	Modular Buildings	Journey Level	$13.69		1		View
Skagit	Painters	Journey Level	$45.40	6Z	2B		View
Skagit	Pile Driver	Crew Tender	$69.91	7A	4C		View
Skagit	Pile Driver	Crew Tender/Technician	$69.91	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$80.76	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	$85.76	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$89.76	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$94.76	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$97.26	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$102.26	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$104.26	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$106.26	7A	4C		View
Skagit	Pile Driver	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	$108.26	7A	4C		View
Skagit	Pile Driver	Journey Level	$65.19	7A	4C		View
Skagit	Plasterers	Journey Level	$61.67	7Q	1R		View

Skagit	Playground & Park Equipment Installers	Journey Level	$13.69		1		View
Skagit	Plumbers & Pipefitters	Journey Level	$79.47	5A	1G		View
Skagit	Power Equipment Operators	Asphalt Plant Operators	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Assistant Engineer	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Barrier Machine (zipper)	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Batch Plant Operator: concrete	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Bobcat	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Brokk - Remote Demolition Equipment	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Brooms	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Bump Cutter	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Cableways	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Chipper	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Compressor	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Concrete Finish Machine - Laser Screed	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Conveyors	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes friction: 200 tons and over	$75.72	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: 20 Tons Through 44 Tons With Attachments	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$74.99	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	$75.72	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: A-frame - 10 Tons And Under	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: Friction cranes through 199 tons	$74.99	7A	3K	8X	View
Skagit	Power Equipment Operators	Cranes: through 19 tons with attachments, A-frame over 10 tons	$72.28	7A	3K	8X	View

Skagit	Power Equipment Operators	Crusher	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Deck Engineer/Deck Winches (power)	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Derricks, On Building Work	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Dozers D-9 & Under	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Drilling Machine	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators	Elevator And Man-lift: Permanent And Shaft Type	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Forklift: 3000 Lbs And Over With Attachments	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Forklifts: Under 3000 Lbs. With Attachments	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Gradechecker/Stakeman	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Guardrail Punch	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Horizontal/Directional Drill Locator	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Horizontal/Directional Drill Operator	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Hydralifts/Boom Trucks, 10 Tons And Under	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Loader, Overhead 8 Yards. & Over	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Loaders, Overhead Under 6 Yards	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Loaders, Plant Feed	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Loaders: Elevating Type Belt	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Locomotives, All	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Material Transfer Device	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators	Motor Patrol Graders	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding	$69.12	7A	3K	8X	View

		Operator					
Skagit	Power Equipment Operators	Outside Hoists (Elevators And Manlifts), Air Tuggers, Strato	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Overhead, Bridge Type: 100 Tons And Over	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators	Overhead, Bridge Type: 45 Tons Through 99 Tons	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Pavement Breaker	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Pile Driver (other Than Crane Mount)	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Posthole Digger, Mechanical	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Power Plant	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Pumps - Water	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Rigger and Bellman	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Rigger/Signal Person, Bellman (Certified)	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Rollagon	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Roller, Other Than Plant Mix	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Roto-mill, Roto-grinder	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Saws - Concrete	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Scrapers - Concrete & Carry All	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Service Engineers - Equipment	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Shotcrete/Gunite Equipment	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$74.99	7A	3K	8X	View

Skagit	Power Equipment Operators	Slipform Pavers	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Spreader, Topsider & Screedman	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Subgrader Trimmer	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Tower Bucket Elevators	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Tower Crane Up To 175' In Height Base To Boom	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$74.99	7A	3K	8X	View
Skagit	Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	$75.72	7A	3K	8X	View
Skagit	Power Equipment Operators	Transporters, All Track Or Truck Type	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Trenching Machines	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Truck Crane Oiler/driver - 100 Tons And Over	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Truck Crane Oiler/Driver Under 100 Tons	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators	Truck Mount Portable Conveyor	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators	Welder	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators	Wheel Tractors, Farmall Type	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators	Yo Yo Pay Dozer	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Bobcat	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Brooms	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cableways	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Chipper	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Compressor	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine - Laser Screed	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$73.49	7A	3K	8X	View

Skagit	Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Conveyors	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes friction: 200 tons and over	$75.72	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 20 Tons Through 44 Tons With Attachments	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$74.99	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$75.72	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: 45 Tons Through 99 Tons, Under 150' Of Boom (including Jib With Attachments)	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: A-frame - 10 Tons And Under	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$74.99	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Cranes: through 19 tons with attachments, A-frame over 10 tons	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Crusher	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Deck Engineer/Deck Winches (power)	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Elevator And Man-lift: Permanent And Shaft Type	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 Lbs And Over With Attachments	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Forklifts: Under 3000 Lbs. With Attachments	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Gradechecker/Stakeman	$69.12	7A	3K	8X	View

Skagit	Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Locator	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Operator	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Hydralifts/Boom Trucks Over 10 Tons	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Hydralifts/Boom Trucks, 10 Tons And Under	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead 8 Yards. & Over	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Mechanics, All (leadmen - $0.50 Per Hour Over Mechanic)	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Outside Hoists (Elevators And Manlifts), Air Tuggers, Strato	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type Crane: 20 Tons Through 44 Tons	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 100 Tons And Over	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Overhead, Bridge Type: 45 Tons Through 99 Tons	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-	Plant Oiler - Asphalt, Crusher	$72.28	7A	3K	8X	View

	Underground Sewer & Water						
Skagit	Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Power Plant	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Quick Tower - No Cab, Under 100 Feet In Height Based To Boom	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman (Certified)	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Rollagon	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Service Engineers - Equipment	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Shotcrete/Gunite Equipment	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$74.99	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$73.49	7A	3K	8X	View

Skagit	Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Tower Crane Up To 175' In Height Base To Boom	$74.22	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$74.99	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	$75.72	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/driver - 100 Tons And Over	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver Under 100 Tons	$72.28	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	$72.84	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Welder	$73.49	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$69.12	7A	3K	8X	View
Skagit	Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$72.84	7A	3K	8X	View
Skagit	Power Line Clearance Tree Trimmers	Journey Level In Charge	$55.03	5A	4A		View
Skagit	Power Line Clearance Tree Trimmers	Spray Person	$52.24	5A	4A		View
Skagit	Power Line Clearance Tree Trimmers	Tree Equipment Operator	$55.03	5A	4A		View
Skagit	Power Line Clearance Tree Trimmers	Tree Trimmer	$49.21	5A	4A		View
Skagit	Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$37.47	5A	4A		View
Skagit	Refrigeration & Air Conditioning Mechanics	Journey Level	$79.46	5A	1G		View
Skagit	Residential Brick Mason	Journey Level	$32.30		1		View
Skagit	Residential Carpenters	Journey Level	$32.48		1		View
Skagit	Residential Cement Masons	Journey Level	$20.67		1		View
Skagit	Residential Drywall Applicators	Journey Level	$48.17	7A	4C		View
Skagit	Residential Drywall Tapers	Journey Level	$34.10		1		View
Skagit	Residential Electricians	Journey Level	$41.43	7F	1D		View
Skagit	Residential Glaziers	Journey Level	$47.80	7L	1H		View
Skagit	Residential Insulation Applicators	Journey Level	$23.91		1		View
Skagit	Residential Laborers	Journey Level	$23.64		1		View
Skagit	Residential Marble Setters	Journey Level	$32.30		1		View

Skagit	Residential Painters	Journey Level	$24.50		1		View
Skagit	Residential Plumbers & Pipefitters	Journey Level	$79.47	5A	1G		View
Skagit	Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$45.89	5A	1G		View
Skagit	Residential Sheet Metal Workers	Journey Level	$24.60		1		View
Skagit	Residential Soft Floor Layers	Journey Level	$30.31		1		View
Skagit	Residential Sprinkler Fitters (Fire Protection)	Journey Level	$32.87		1		View
Skagit	Residential Stone Masons	Journey Level	$32.30		1		View
Skagit	Residential Terrazzo Workers	Journey Level	$32.30		1		View
Skagit	Residential Terrazzo/Tile Finishers	Journey Level	$35.85		1		View
Skagit	Residential Tile Setters	Journey Level	$32.30		1		View
Skagit	Roofers	Journey Level	$57.30	5A	3H		View
Skagit	Roofers	Using Irritable Bituminous Materials	$60.30	5A	3H		View
Skagit	Sheet Metal Workers	Journey Level (Field or Shop)	$80.02	7F	1E		View
Skagit	Shipbuilding & Ship Repair	New Construction Boilermaker	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Carpenter	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Crane Operator	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Electrician	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$79.43	15H	11C		View
Skagit	Shipbuilding & Ship Repair	New Construction Laborer	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Machinist	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Operating Engineer	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Painter	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Pipefitter	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Rigger	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Sheet Metal	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Shipfitter	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	New Construction Welder / Burner	$39.58	7V	1		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Boilermaker	$47.45	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Carpenter	$47.35	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	7Y	4K		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Electrician	$47.42	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$79.43	15H	11C		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Laborer	$47.35	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Machinist	$47.35	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	7Y	4K		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Painter	$47.35	7X	4J		View

Skagit	Shipbuilding & Ship Repair	Ship Repair Pipefitter	$47.35	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Rigger	$47.45	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$47.35	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Shipwright	$47.35	7X	4J		View
Skagit	Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	7Y	4K		View
Skagit	Sign Makers & Installers (Electrical)	Journey Level	$16.03		1		View
Skagit	Sign Makers & Installers (Non-Electrical)	Journey Level	$13.69		1		View
Skagit	Soft Floor Layers	Journey Level	$51.91	5A	3J		View
Skagit	Solar Controls For Windows	Journey Level	$13.69		1		View
Skagit	Sprinkler Fitters (Fire Protection)	Journey Level	$85.89	5C	1X		View
Skagit	Stage Rigging Mechanics (Non Structural)	Journey Level	$13.69		1		View
Skagit	Stone Masons	Journey Level	$60.57	7E	1N		View
Skagit	Street And Parking Lot Sweeper Workers	Journey Level	$15.00		1		View
Skagit	Surveyors	Assistant Construction Site Surveyor	$72.28	7A	3K	8X	View
Skagit	Surveyors	Chainman	$69.12	7A	3K	8X	View
Skagit	Surveyors	Construction Site Surveyor	$73.49	7A	3K	8X	View
Skagit	Telecommunication Technicians	Telecom Technician Journey Level	$47.28	5B	1B		View
Skagit	Telephone Line Construction - Outside	Cable Splicer	$37.40	5A	2B		View
Skagit	Telephone Line Construction - Outside	Hole Digger/Ground Person	$25.04	5A	2B		View
Skagit	Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$31.22	5A	2B		View
Skagit	Telephone Line Construction - Outside	Telephone Lineperson	$35.34	5A	2B		View
Skagit	Terrazzo Workers	Journey Level	$55.71	7E	1N		View
Skagit	Tile Setters	Journey Level	$55.71	7E	1N		View
Skagit	Tile, Marble & Terrazzo Finishers	Finisher	$46.54	7E	1N		View
Skagit	Traffic Control Stripers	Journey Level	$49.13	7A	1K		View
Skagit	Truck Drivers	Asphalt Mix Over 16 Yards	$63.80	5D	4Y	8L	View
Skagit	Truck Drivers	Asphalt Mix To 16 Yards	$62.96	5D	4Y	8L	View
Skagit	Truck Drivers	Dump Truck	$62.96	5D	4Y	8L	View
Skagit	Truck Drivers	Dump Truck & Trailer	$63.80	5D	4Y	8L	View
Skagit	Truck Drivers	Other Trucks	$63.80	5D	4Y	8L	View
Skagit	Truck Drivers - Ready Mix	Transit Mix	$63.80	5D	4Y	8L	View
Skagit	Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$13.69		1		View
Skagit	Well Drillers & Irrigation Pump Installers	Oiler	$13.69		1		View
Skagit	Well Drillers & Irrigation Pump Installers	Well Driller	$13.69		1		View

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Overtime Codes

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

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

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

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

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

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

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

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

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

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

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

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

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

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.

Overtime Codes Continued

1. 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.

   O. All hours worked on Sundays and holidays shall be paid at one and one-half times 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.

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.

Overtime Codes Continued

4. 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.

H. 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.

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.

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.

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

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

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

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

W. 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.

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.

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.

   Y. 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 shift, and all work on Saturdays shall be paid at time and one-half the straight time rate. All work performed after 6:00 pm Saturday to 6:00 am Monday and holidays shall be paid at double the straight time rate of pay.

   Any shift starting between the hours of 6:00 pm and midnight shall receive an additional one dollar ($1.00) per hour for all hours worked that shift.

   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.

   Z. 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 20% over the hourly rate of wage. Work performed on Sundays may be paid at double time. All hours worked on holidays shall be paid at double the hourly rate of wage.

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.

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

Holiday Codes

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

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

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

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

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

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

J. Holidays: New Year's Day, Memorial Day, Independence Day, Thanksgiving Day, Friday after Thanksgiving Day, Christmas Eve Day, And Christmas Day (7).

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).

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).

Holiday Codes Continued

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.

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.

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

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

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

Holiday Codes Continued

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

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

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

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

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

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

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

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

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

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

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

Holiday Codes Continued

7. 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, Independence Day, Memorial Day, Labor Day, Thanksgiving Day and Christmas Day (6). Any holiday which falls on a Sunday shall be observed as a holiday on the following Monday. Any holiday which falls on a Saturday shall be observed as a holiday on the preceding Friday.

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

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

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

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

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

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

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

Holiday Codes Continued

7. 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.

15. F. Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, Friday after Thanksgiving Day, the last scheduled workday before Christmas, and Christmas Day (8). If any of the listed holidays falls on a Sunday, the day observed by the Nation shall be considered a holiday and compensated accordingly.

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.

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.

Note Codes Continued

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

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

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

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

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

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

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.

Note Codes Continued

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

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

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

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

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

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

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

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.

Note Codes Continued

9. 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.

APPENDIX C

Construction Contract and Contract Bond-Informational Only

CONSTRUCTION CONTRACT AGREEMENT

THIS AGREEMENT, effective upon the date of mutual execution, is made and entered into between Skagit County, Washington, and _____, hereinafter called the Contractor.

WITNESSETH:
That in consideration of the terms and conditions contained herein and attached and made a part of this agreement, the parties hereto covenant and agree as follows:

The Contractor shall do all work and furnish all tools, materials, equipment, and transportation required for the construction of **Farm to Market – Josh Wilson Intersection Improvements #ES31010-4.**

I. in accordance with and as described in the attached plans and specifications and the Washington State Department of Transportation *Standard Specifications for Road, Bridge, and Municipal Construction M 41-10 2021 edition*, which are by this reference incorporated herein and made a part hereof, and shall perform any changes to the work in accord with the Contract Documents.

II. The Contractor shall provide and bear the expense of all equipment, work, and labor of any sort whatsoever that may be required for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof and shall guarantee said materials and work for a period of one year after substantial completion of this contract, except as may be modified by the plans, specifications and/or contract documents.

III. Skagit County, Washington, hereby promises and agrees with the Contractor to retain and does retain the Contractor to provide the materials and to do and cause to be done the above-described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of prices bid and hereto attached, at the time and in the manner and upon the conditions provided for in this contract.

IV. The Contractor for himself/herself, and for his/her heirs, executors, administrators, successors, and assigns, does hereby agree to full performance of all covenants required of the Contractor in the contract.

V. It is further provided that no liability shall attach to Skagit County by reason of entering into this contract, except as provided herein.

IN WITNESS WHEREOF the Contractor has executed this instrument on the day and year first below written, and the Authorized Official has caused this instrument to be executed by and in the name of Skagit County the day and year first above written.

CONTRACTOR

Signature _____ Mailing Address:

Printed _____

Title_____

Date _____ Telephone No. (___) ____-____

DATED this _____ day of _____, 2021.

BOARD OF COUNTY COMMISSIONERS
SKAGIT COUNTY, WASHINGTON

_____
Lisa Janicki, Chair

_____
Peter Browning, Commissioner

Attest: _____
Ron Wessen, Commissioner

_____
Clerk of the Board

For contracts under $5,000:
Authorization per Resolution R20030146

Recommended: _____
County Administrator

_____
Department Head

Approved as to form:

_____
Civil Deputy Prosecuting Attorney

Approved as to indemnification:

_____
Risk Manager

Approved as to budget:

_____
Budget & Finance Director

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS, that Skagit County, a Municipal Corporation of Washington, has awarded _____ of _____, as Principal, and _____as Surety, are jointly and severally held and bound unto the County of Skagit in the penal sum of _____ ($_____), dollars, for the payment of which we jointly and severely bind ourselves, our heirs, executors, administrators, and assigns, and successors and assigns, firmly by these presents.

THE CONDITION of this bond is such that whereas, on the _____ day of _____ A.D., 2021, the said Principal, herein, executed a certain contract with the County of Skagit by the items, conditions and provisions of which contract the said _____, Principal, herein agree to furnish all material and do certain work, to wit: That _____ will undertake and complete the construction of

Farm to Market / Josh Wilson Intersection Improvements #ES31010-4

according to the maps, plans and specifications made a part of said contract, which contract as so executed, is hereunto attached, is now referred to and by reference is incorporated herein and made a part hereof as fully for all purposes as if here set forth at length. The bond shall cover all approved change orders as if they were in the original contract.

NOW, THEREFORE, if the Principal herein shall faithfully and truly observe and comply with the terms, conditions and provisions of said contract in all respects and shall well and truly and fully do and perform all matters and things by _____ (principal) undertaken to be performed under said contract, upon the terms proposed therein, and within the time prescribed therein, and until the same is accepted, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply such contractor or subcontractor with provisions and supplies for the carrying on of such work, and shall in all respects faithfully perform said contract according to law, then this obligation to be void, otherwise to remain in full force and effect.

WITNESS our hands this _____ day of _____, 2021.

_____

_____

_____
(Principal)

_____

_____

_____
Attorney-in-Fact, Surety

_____
Name and Address
Local Office of Agent

APPROVED AS TO FORM
RICH WEYRICH
Skagit County Prosecuting Attorney

APPROVED AS TO FORM
BONNIE HALEY
Skagit County Risk Manager

BY: _____
Approving Authority

DATE: _____, 2021

_____
SURETY BOND NUMBER

_____
CONTRACT NUMBER

_____

_____

APPENDIX D

Proposal Forms – Information Only

Proposal for Bidding Purposes

For Construction of:

Farm to Market / Josh Wilson Intersection Improvements Project #ES31010-4

SKAGIT COUNTY PUBLIC WORKS

SKAGIT COUNTY
Public Works Department
1800 Continental Place
Mount Vernon, WA 98273

PROPOSAL

FARM TO MARKET / JOSH WILSON INTERSECTION IMPROVEMENTS #ESH31010-4

All bid envelopes must be plainly marked on the outside, **"Sealed Bid, Farm to Market / Josh Wilson Intersection Improvements #ES31010-4**

Sealed Bids will be received at the following location before the specified time:

Bids may be hand delivered to: The Reception Desk of Skagit County Commissioners Office, located at 1800 Continental Place, Mount Vernon, WA.

Bids may be mailed to: Skagit County Commissioners
1800 Continental Place, Suite 100
Mount Vernon, Washington, 98273

The bid opening date for this project will be **Monday, July 19, 2021.** The bids will be publicly opened and read after **2:30 p.m.** on this date.

Bid Advertisement: Skagit Valley Herald – July 1 and 8, 2021

ENTIRE PROPOSAL TO BE RETURNED AS YOUR BID PACKAGE

FAILURE TO SIGN OR COMPLETE ALL INFORMATION ON THE FORMS PROVIDED CAN RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE

PROPOSAL

BOARD OF SKAGIT COUNTY COMMISSIONERS
MOUNT VERNON, WASHINGTON 98273

Attention:

This certifies that the undersigned has examined the locations of:

Farm to Market / Josh Wilson Intersection Improvements #ES31010-4

and that the plans, specifications and contract governing the work embraced in this improvement, and the method by which payment will be made for said work is understood. The undersigned hereby proposes to undertake and complete the work embraced in this improvement, or as much thereof as can be completed with the money available in accordance with the said plans, specifications, and contract, and the following schedule of rates and prices:

Note: for work performed on this project the contractor should refer to Section 1-07.2(1) of the contract provisions and Department of Revenue Rule #171.

(Note: Unit prices for all items, all extensions, and total amount of bid shall be shown. All entries must be typed or entered in ink.)

FARM TO MARKET / JOSH WILSON INTERSECTION IMPROVEMENTS #ES31010-4

Item No.	Description	Spec	QTY	Unit of Measure	Unit Price	Total Price
1	MOBILIZATION	1-09.7	1.00	LS	$_____ .___	$_____ .___
2	MINOR CHANGE	1-04	1.00	CALC	$_____ .___	$_____ .___
3	ROADWAY SURVEYING	1-05	1.00	LS	$_____ .___	$_____ .___
4	LICENSED SURVEYING	1-05.4	1.00	LS	$_____ .___	$_____ .___
5	SPCC PLAN	1-07	1.00	LS	$_____ .___	$_____ .___
6	UNANTICIPATED UNDERGROUND CONFLICTS	1-09	EST	FA	$ 1 .00	$ 10,000 .00

7	UNANTICIPATED MINOR STRUCTURE REVISIONS	1-09	EST	FA	$ 1 .00	$ 5,000 .00
8	UNANTICIPATED DEWATERING	1-09	EST	FA	$ 1 .00	$ 5,000 .00
9	UNANTICIPATED UNSUITABLE SUBGRADE REPAIR	1-09	EST	FA	$ 1 .00	$ 5,000 .00
10	UNANTICIPATED REPAIR/RESTORATION OF PUBLIC AND PRIVATE FACILITIES	1-09	EST	FA	$ 1 .00	$ 5,000 .00
11	PROJECT TEMPORARY TRAFFIC CONTROL	1-10	1.00	LS	$.	$.
12	CLEARING AND GRUBBING	2-01	0.10	ACRE	$.	$.
13	ROADSIDE CLEANUP	2-01	EST	FA	$ 1 .00	$ 10,000 .00
14	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	2-02	1.00	LS	$.	$.
15	ROADWAY EXCAVATION INCL. HAUL	2-03	2025.00	CY	$.	$.
16	UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	2-03	1300.00	CY	$.	$.
17	GRAVEL BORROW INCL. HAUL	2-03	3200.00	TON	$.	$.
18	TRIMMING AND CLEANUP	2-11	1.00	LS	$.	$.
19	CRUSHED SURFACING BASE COURSE	4-04	5430.00	TON	$.	$.
20	CRUSHED SURFACING TOP COURSE	4-04	1390.00	TON	$.	$.

21	HMA CL. 1/2 IN. PG 58H-22	5-04	2650.00	TON	$_____ .___	$_____ .___
22	TEXTURED AND PIGMENTED CEMENT CONCRETE TRUCK APRON	5-05	390.00	SY	$_____ .___	$_____ .___
23	TEXTURED AND PIGMENTED CEMENT CONCRETE TRAFFIC ISLAND	5-05	320.00	SY	$_____ .___	$_____ .___
24	CEMENT CONCRETE PIPE ARCH 13.5" X 22" DIAM	7-03	120.00	LF	$_____ .___	$_____ .___
25	FLARED END SECTION 13.5" X 22" DIAM	7-03	1.00	EACH	$_____ .___	$_____ .___
26	MODIFIED CATCH BASIN TYPE 2	7-05	1.00	EACH	$_____ .___	$_____ .___
27	EROSION/WATER POLLUTION CONTROL	8-01	EST	FA	$ 1 .00	$ 5,000 .00
28	HIGH VISIBILITY SILT FENCE	8-01	3200.00	LF	$_____ .___	$_____ .___
29	ESC LEAD	8-01	100.00	DAY	$_____ .___	$_____ .___
30	LANDSCAPING	8-02	1.00	LS	$_____ .___	$_____ .___
31	ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB	8-04	160.00	LF	$_____ .___	$_____ .___
32	ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER	8-04	265.00	LF	$_____ .___	$_____ .___
33	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER	8-04	1060.00	LF	$_____ .___	$_____ .___
34	ILLUMINATION SYSTEM	8-20	1.00	LS	$_____ .___	$_____ .___

35	PERMANENT SIGNING	8-21	1.00	LS	$_____ .___	$_____ .___
36	PLASTIC LINE	8-22	6020.00	LF	$_____ .___	$_____ .___
37	PLASTIC WIDE LANE LINE	8-22	300.00	LF	$_____ .___	$_____ .___
38	PLASTIC WIDE DOTTED ENTRY LINE	8-22	150.00	LF	$_____ .___	$_____ .___
39	PLASTIC YIELD SYMBOL	8-22	24.00	EACH	$_____ .___	$_____ .___
40	8 IN QUARRY SPALLS	9-13	70.00	TN	$_____ .___	$_____ .___
41	MONUMENT CASE AND COVER	9-22	1.00	EACH	$_____ .___	$_____ .___
					TOTAL BID	**$_____ .___**

FOR WORK PERFORMED ON THIS PROJECT THE CONTRACTOR SHOULD REFER TO SECTION 1-07.2(1) OF THE CONTRACT PROVISIONS AND DEPARTMENT OF REVENUE RULE #171.

PROPOSAL – Signature Page

The bidder is hereby advised that by signature of this proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

The undersigned hereby agrees to pay labor not less than the prevailing rates of wages in accordance with the requirements of the special provisions for this project.

A proposal guaranty in an amount of five percent (5%) of the total bid based upon the approximate estimate of quantities at the above prices and in the form as indicated below is attached hereto:

☐ CASHIER'S CHECK In the amount of $_____Dollars

☐ CERTIFIED CHECK (Payable to Skagit County) In the amount of $_____Dollars

☐ PROPOSAL BOND In the amount five percent (5%) of the total bid.

Receipt is hereby acknowledged of Addendum(s) No. (s) _____, _____, & _____

Signature of Authorized Officials(s):

Proposal Must Be Signed →

_____

_____

PRINT NAME

Firm Name: _____

Address: _____

_____

_____

Telephone No.: _____

State of Washington Contractor's License No._____

UBI No._____ Employment Security Department No._____

Note:

(1) This proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Skagit County will be cause for considering the proposal irregular and subsequent rejection of the bid.

(2) Please refer to Section 1-02.6 of the Standard Specifications, "Preparation of Proposal", or "Article 4" of the Instruction to Bidders for building construction jobs.

BID PROPOSAL MUST BE SIGNED.

FAILURE TO SIGN OR COMPLETE ALL INFORMATION CAN RESULT IN REJECTION OF THE PROPOSAL AS NON-RESPONSIVE.

SUBMIT THE ENCLOSED PROPOSAL BOND FORM WITH YOUR PROPOSAL

USE OF OTHER FORMS MAY SUBJECT YOUR BID TO REJECTION

PROPOSAL BOND

KNOW ALL MEN BY THESE PRESENTS, That we, _____

_____

of _____ as principal, and the

_____ a corporation duly

organized under the laws of the State of _____,
and authorized to do business in the State of Washington, as surety, are held and firmly bound unto Skagit County in the full and penal sum of five (5) percent of the total amount of the bid proposal of said principal for the work hereinafter described for the payment of which, well and truly to be made, we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by these presents.

The condition of this bond is such, that whereas the principal herein is herewith submitting his or its sealed proposal for the following highway construction, to wit:

Farm to Market / Josh Wilson Intersection Improvements #ES31010-4

said bid and proposal, by reference thereto, being made a part hereof.

NOW THEREFORE, If the said proposal bid by said principal be accepted, and the contract be awarded to said principal, and if said principal shall duly make and enter into and execute said contract and shall furnish bond as required by Skagit County within a period of twenty (20) days from and after said award, exclusive of the day of such award, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF, The principal and surety have caused these presents to be signed and sealed this _____ day of _____, 2021.

_____

_____
(Principal)

_____ _____
(Surety) (Attorney-in-fact)

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.

Proposal for Incorporating Recycled Materials into the Project

In compliance with a new law that went into effect January 1, 2016 (SHB1695), the Bidder shall propose below, the total percent of construction aggregate and concrete materials to be incorporated into the Project that are recycled materials. Calculated percentages must be within the amounts allowed in Section 9-03.21(1)E, Table on Maximum Allowable Percent (By Weight) of Recycled Material, of the Standard Specifications.

Proposed total percentage: _____ percent.

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

Bidder: _____

Signature of Authorized Official: _____

Date: _____

Washington State Department of Transportation

Recycled Materials Reporting

Contract Number		Contract Title					
Contractor			Engineer				
		Reclaimed Hot Mix Asphalt	Recycled Concrete Aggregate	Recycled Glass	Steel Furnace Slag	Other Recycled Aggregates	Contract Total Quantity
Fine Aggregate for Portland Cement Concrete	9-03.1(2)						
Coarse Aggregate for Portland Cement Concrete	9-03.1(4)						
Coarse Aggregate for Commercial Concrete	9-03.1(4)						
Aggregates for Hot Mix Asphalt	9-03.8	see below					
Ballast	9-03.9(1)						
Permeable Ballast	9-03.9(2)						
Crushed Surfacing	9-03.9(3)						
Aggregate for Gravel Base	9-03.10						
Gravel Backfill for Foundations	9-03.12(1)						
Gravel Backfill for Walls	9-03.12(2)						
Gravel Backfill for Pipe Zone Bedding	9-03.12(3)						
Gravel Backfill for Drains	9-03.12(4)						
Gravel Backfill for Drywells	9-03.12(5)						
Backfill for Sand Drains	9-03.13						
Sand Drainage Blanket	9-03.13(1)						
Gravel Borrow	9-03.14(1)						
Select Borrow	9-03.14(2)						
Common Borrow	9-03.14(3)						
Foundation Material Class A and Class B	9-03.17						
Foundation Material Class C	9-03.18						
Bank Run Gravel for Trench Backfill	9-03.19						
Other Aggregate Materials (total quantity not required)	9-03						
TOTAL (recycled materials and contract total quantity)		0	0	0	0	0	0
		Reclaimed Hot Mix Asphalt	Reclaimed Asphalt Shingles		Steel Furnace Slag	Other Recycled Materials	Total Quantity
Hot Mix Asphalt	5-04.2						

I declare that the statements made in this document, including attachments, are complete, true and accurate.
Signed by an authorized representative of the Contractor

Contractor Representative Name	Signature	Title	Date

INSTRUCTIONS:

The Contractor shall report the quantity in ***tons*** for each type of recycled material that was used for each of the listed materials. If the Contract did not include the listed material or recycled materials were not used for this material a "0" shall be entered in the box. The Standard Specifications in Section 9-03.21 do not allow the use of recycled materials in the boxes that are shaded. If the Contract Provisions allowed and the Contractor utilized recycled materials for any of these items the amount of recycled material shall be entered in the box. The contract total quantity for each aggregate material (e.g., Fine Aggregate for Portland Cement Concrete) is the total weight in tons and includes both recycled and natural occurring materials. The total quantity for hot mix asphalt (HMA) is the total HMA weight in tons and includes recycled asphalt pavement (RAP) and new HMA materials.

Other recycled aggregates include other material sources that are utilized on a project. These sources include on-site recycling and aggregates from returned (uncured) concrete. Roadway excavation and embankment are not allowed in the quantity for other aggregate materials or other recycled aggregates.

Attach cost estimates as required in Section 1-06.6 of the Standard Specifications when the total percentage of recycled aggregate and concrete is less than 25 percent of the required amount for the entire Contract.

DOT Form 350-075
Revised 06/2016

Certification of Compliance with Wage Payment Statutes

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (July 1, 2021), 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.*

APPENDIX E

Permits

APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT PER WAC 332-120-070

PERMIT NO.
You are hereby authorized to remove or destroy the described survey monument(s):

DNR AUTHORIZING SIGNATURE/DATE

DO NOT ALTER THIS FORM

SURVEYOR INFORMATION

SURVEYOR NAME:
COMPANY NAME:
PHONE NUMBER:
EMAIL ADDRESS:
DATE:

Seal, Sign, & Date

RESPONSIBLE PARTY PER WAC 332-120-030(2)

COMPANY OR AGENCY NAME: **Skagit County Public Works, Engineering**
CONTACT NAME: **Paul A. Randall-Grutter, P.E.**
PHONE NUMBER: **(360) 416-1421**
EMAIL ADDRESS: **paulrg@co.skagit.wa.us**

I estimate this work will be finished by: **11/30/2020**

☐ I request a variance from the requirement to reference to the Washington Coordinate System per WAC 332-120-040(2).
Please provide your justification:

(FOR DNR USE ONLY) The variance request ☐ is approved ☐ not approved

MONUMENT INFORMATION

Found a 3" Brass Cap set in a concrete monument w/ case and cover.
NW Sec 33 T35N; R3E, W.M.
BLM GBDB CODE = 300200 Skagit County, WA
WASHINGTON STATE PLANE COORDINATES
N 546394.762
E 1249739.144 US Survey Feet Datum = NAD 83-2011 EPCOH 2010.00

A 3" Brass Cap on Concrete Monument will be set as a replacement after construction.

See attached Reference Sketch for Transit Tie and additional reference ties.

APPLICANT IS RESPONSIBLE TO SUBMIT THE COMPLETION REPORT WITHIN 15 DAYS OF THE PROJECT COMPLETION PER WAC 332-120-060(3).

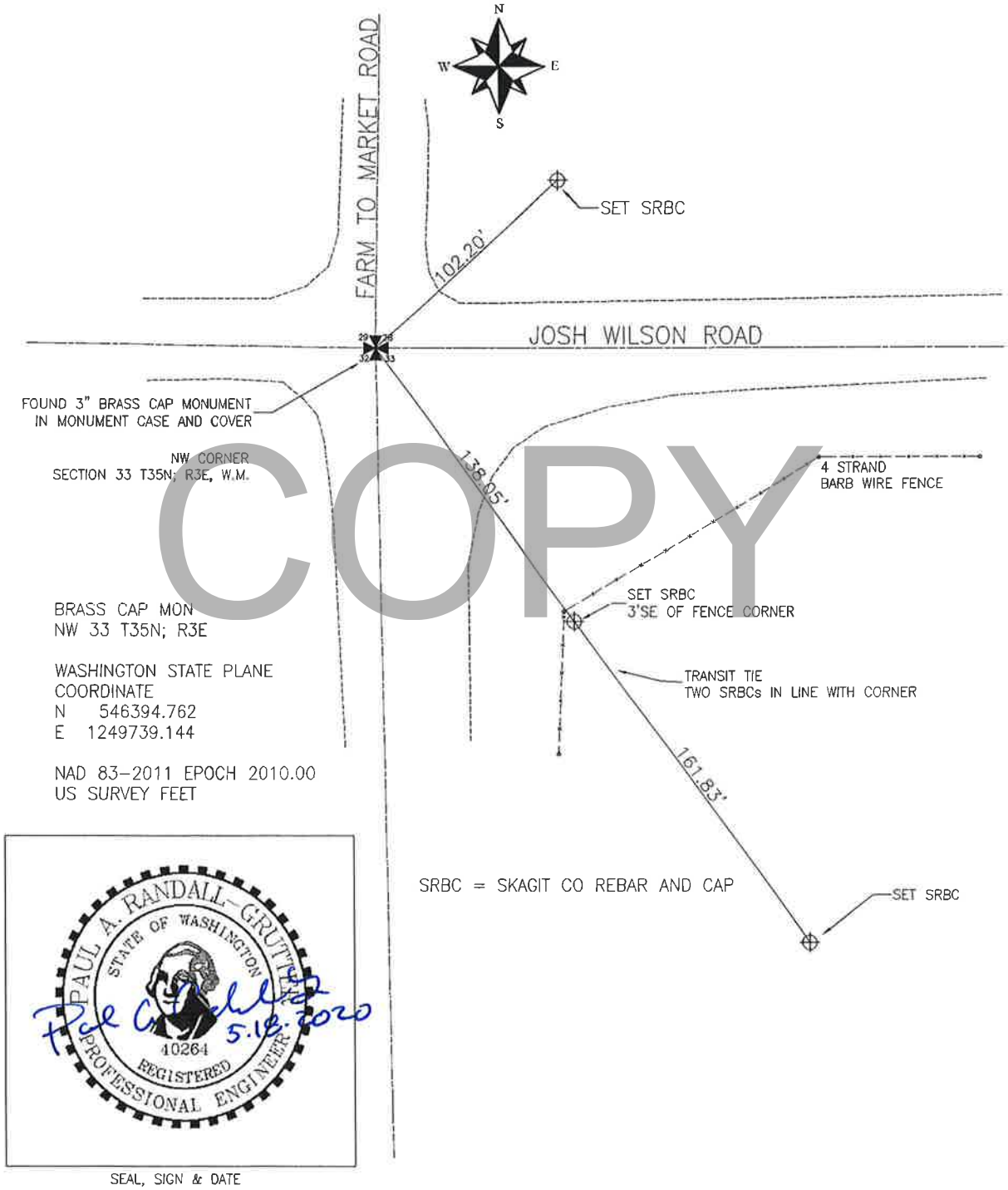
THIS PERMIT DOES NOT ELIMINATE THE REQUIREMENT TO FILE A RECORD OF SURVEY PER RCW 59.09.040

FOR PLSS CORNERS A LAND CORNER RECORD PER WAC 332-130-025.

PLSS CORNERS WILL BE MONUMENTED AND STAMPED AS DEFINED IN THE CURRENT BLM *MANUAL OF SURVEYING INSTRUCTIONS* PER WAC 332-130-030(4).

(Form prescribed 10/2018 by the Public Land Survey Office, Dept. of Natural Resources, pursuant to RCW 58.24.040 (8).)

SKAGIT COUNTY PUBLIC WORKS
MONUMENT REFERENCE SKETCH
NW CORNER 33 T35N; R3E, W.M.
PG 2



BRASS CAP MON
NW 33 T35N; R3E

WASHINGTON STATE PLANE
COORDINATE
N 546394.762
E 1249739.144

NAD 83-2011 EPOCH 2010.00
US SURVEY FEET

SRBC = SKAGIT CO REBAR AND CAP

PAUL A. RANDALL-GRUTTER
STATE OF WASHINGTON
40264
REGISTERED
PROFESSIONAL ENGINEER

5.18.2020

SEAL, SIGN & DATE

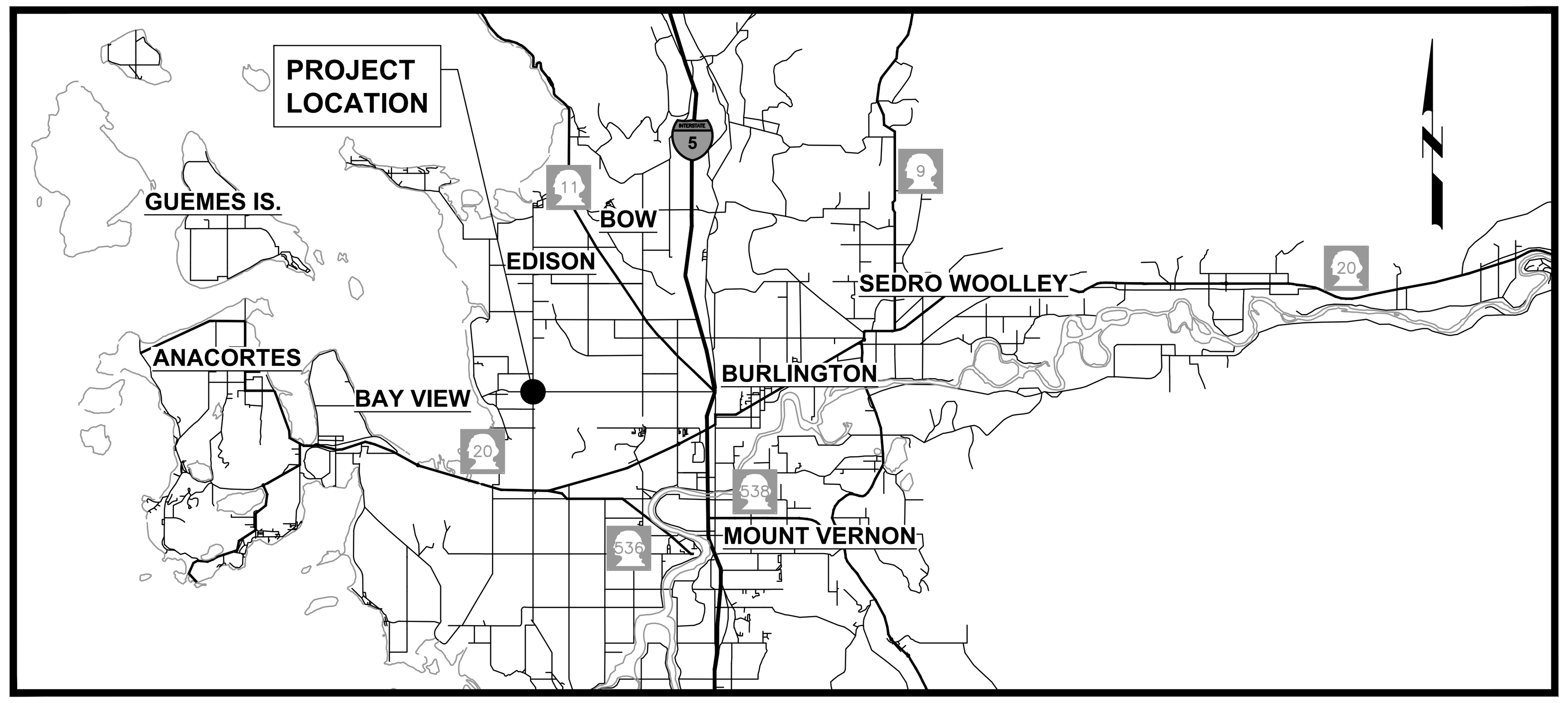
APPENDIX F

Vicinity Maps & Plans

FARM TO MARKET / JOSH WILSON

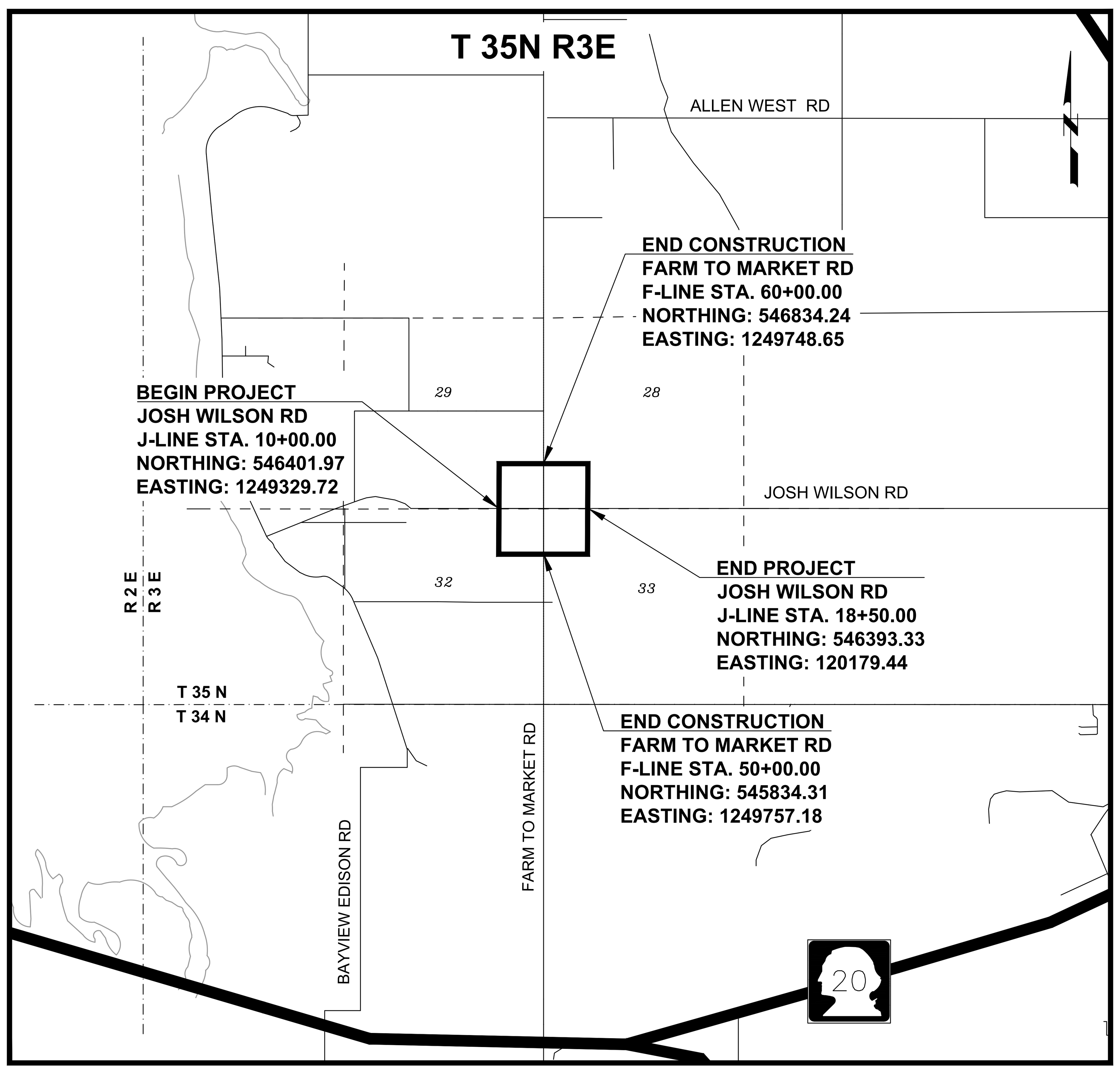
ES31010-4

INTERSECTION IMPROVEMENT PROJECT



VICINITY MAP NTS

FARM TO MARKET RD VICINITY



SITE MAP NTS

SKAGIT COUNTY OFFICIALS

BOARD OF COMMISSIONERS
- LISA JANICKI, CHAIR
- PETER BROWNING, COMMISSIONER
- RON WESEN, COMMISSIONER

PUBLIC WORKS
- DAN BERENTSON, DIRECTOR

APPROVED FOR CONSTRUCTION

Paul A. Randall 6.21.21
PAUL A. RANDALL-GRUTTER, P.E., COUNTY ENGINEER DATE

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
1	COVER SHEET
2	LEGEND & GENERAL NOTES
3	DETOUR ROUTE
4	TRAFFIC CONTROL PLAN
5	ALIGNMENT PLAN
6	TESC PLAN
7	SITE PREP & DEMO PLAN
8	ROADWAY SECTIONS
9	ROADWAY PROFILES
10	GRADING PLAN - NORTH
11	GRADING PLAN - SOUTH
12	GRADING PLAN - CENTER ISLAND
13	DRAINAGE & UTILITY PLAN - NORTH
14	DRAINAGE & UTILITY PLAN - SOUTH
15	DRAINAGE PROFILES
16	DRAINAGE & UTILITY DETAILS
17	SPLITTER ISLAND DETAILS
18	PAVING PLAN - NORTH
19	PAVING PLAN - SOUTH
20	CHANNELIZATION & SIGNAGE - NORTH
21	CHANNELIZATION & SIGNAGE - SOUTH
22	SIGNAGE DETAILS
23	ILLUMINATION PLAN
24	ILLUMINATION DETAILS

LEGEND

(heavy line)	PROJECT SITE
(line)	ROAD
(dash-dot line)	TOWNSHIP LINES
(dashed line)	SECTION LINES
35	SECTION NUMBER

DATUM
NAVD 88

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

CENTURY WEST ENGINEERING

PUGET SOUND OFFICE
33308 13TH PLACE S., SUITE 2
FEDERAL WAY, WA 98003
253.838.2507 OFFICE
253.874.0463 FAX

SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

ENGINEER OF RECORD
GLENN RICHARD CHOUINARD, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EKN
DRAWN BY: EKN
CHECKED BY: RLW
APPROVED BY:
PROJECT LOCATED NEAR: BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

COVER SHEET

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

ENEWTON – June 17, 2021 – 12:00 PM – C:\DROPBOX (CENTURYWEST)\PUGET SOUND\PROJECTS\SKAGIT COUNTY\TASK ORDER #1\CAD_WORKING\G-01 COVER SHEET.DWG

SUMMARY OF QUANTITIES

ITEM NO.	TECH. PROV.	DESCRIPTION	APPROX. QTY	UNIT
1	1-09.7	MOBILIZATION	1	LS
2	1-04	MINOR CHANGE	1	CALC
3	1-05	ROADWAY SURVEYING	1	LS
4	1-05.4	LICENSED SURVEYING	1	LS
5	1-07	SPCC PLAN	1	LS
6	1-09	UNANTICIPATED UNDERGROUND CONFLICTS	1	FA
7	1-09	UNANTICIPATED MINOR STRUCTURE REVISIONS	1	FA
8	1-09	UNANTICIPATED DEWATERING	1	FA
9	1-09	UNANTICIPATED UNSUITABLE SUBGRADE REPAIR	1	FA
10	1-09	UNANTICIPATED REPAIR/RESTORATION OF PUBLIC AND PRIVATE FACILITIES	1	FA
11	1-10	PROJECT TEMPORARY TRAFFIC CONTROL	1	LS
12	2-01	CLEARING AND GRUBBING	0.10	ACRE
13	2-01	ROADSIDE CLEANUP	1	FA
14	2-02	REMOVAL OF STRUCTURE AND OBSTRUCTIONS	1	LS
15	2-03	ROADWAY EXCAVATION INCL. HAUL	2025	CY
16	2-03	UNSUITABLE FOUNDATION EXCAVATION INCL. HAUL	1300	CY
17	2-03	GRAVEL BORROW INCL. HAUL	3200	TON
18	2-11	TRIMMING AND CLEANUP	1	LS
19	4-04	CRUSHED SURFACING BASE COURSE	5430	TON
20	4-04	CRUSHED SURFACING TOP COURSE	1390	TON
21	5-04	HMA CL. ½ IN. PG 58H-22	2650	TON
22	5-05	TEXTURED AND PIGMENTED CEMENT CONCRETE TRUCK APRON	390	SY
23	5-05	TEXTURED AND PIGMENTED CEMENT CONCRETE TRAFFIC ISLAND	320	SY
24	7-03	CEMENT CONCRETE PIPE ARCH 13.5" X 22" DIAM.	120	LF
25	7-03	FLARED END SECTION 13.5" X 22" DIAM.	1	EACH
26	7-05	MODIFIED CATCH BASIN TYPE 2	1	EACH
27	8-01	EROSION/WATER POLLUTION CONTROL	1	FA
28	8-01	HIGH VISIBILITY SILT FENCE	3200	LF
29	8-01	ESC LEAD	100	DAY
30	8-02	LANDSCAPING	1	LS
31	8-04	CEMENT CONCRETE TRAFFIC CURB	160	LF
32	8-04	ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB AND GUTTER	265	LF
33	8-04	ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER	1060	LF
34	8-20	ILLUMINATION SYSTEM	1	LS
35	8-21	PERMANENT SIGNING	1	LS
36	8-22	PLASTIC LINE	6020	LF
37	8-22	PLASTIC WIDE LANE LINE	300	LF
38	8-22	PLASTIC WIDE DOTTED ENTRY LINE	150	LF
39	8-22	PLASTIC YIELD SYMBOL	24	EACH
40	9-13	8 IN QUARRY SPALLS	70	TON
41	9-22	MONUMENT CASE AND COVER	1	EACH

LEGEND

EXISTING		PROPOSED
	CENTERLINE	
	PROPERTY/RIGHT OF WAY	
	MAG NAIL	
	CONTROL POINT	
	MONUMENT	
	QUARTER SECTION CORNER	
	SECTION CORNER	
	EDGE OF GRAVEL	
	EDGE OF PAVEMENT	
	ASPHALT PAVEMENT	
	PCC PAVEMENT	
	CURB AND GUTTER	
	STREAMBED COBBLES	
	PORTABLE CHANGEABLE MESSAGE SIGN	PCMS
	SIGN (SINGLE POST)	
	STORM DRAIN	SD
	FLOW ARROW	
	CATCH BASIN	
	CULVERT	
	LIMITS OF EXISTING DITCH	
	SAWCUT	
	TEMPORARY SILT FENCE	SF
	TYPE 3 BARRICADES	
	PAVEMENT REMOVAL AREA	
	TEXTURED & PIGMENTED CONCRETE	

LEGEND (CONT.)

EXISTING		PROPOSED
	DITCH LINE	
145	INDEX CONTOUR	145
141	INTERMEDIATE CONTOUR	141
FO	UNDERGROUND FIBER	
T	TELEPHONE PEDESTAL	
E	ELECTRICAL BOX	E
	GUY WIRE	
	POWER POLE	
W	WATER LINE	
	BUTTERFLY VALVE	
	CHECK VALVE	
	FIRE HYDRANT	
	GATE VALVE	

ABBREVIATIONS

AP	ANGLE POINT
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POC	POINT ON CURVE
POT	POINT ON TANGENT
MPOC	MID-POINT ON CURVE

DATUM NAVD 88

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(360) 416-1400 FAX (360) 416-1405

ENGINEER OF RECORD
RICHARD GLENN BOUDARD
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

DATE | REVISIONS | NO.

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EKN
DRAWN BY: EKN
CHECKED BY: RLW
APPROVED BY:

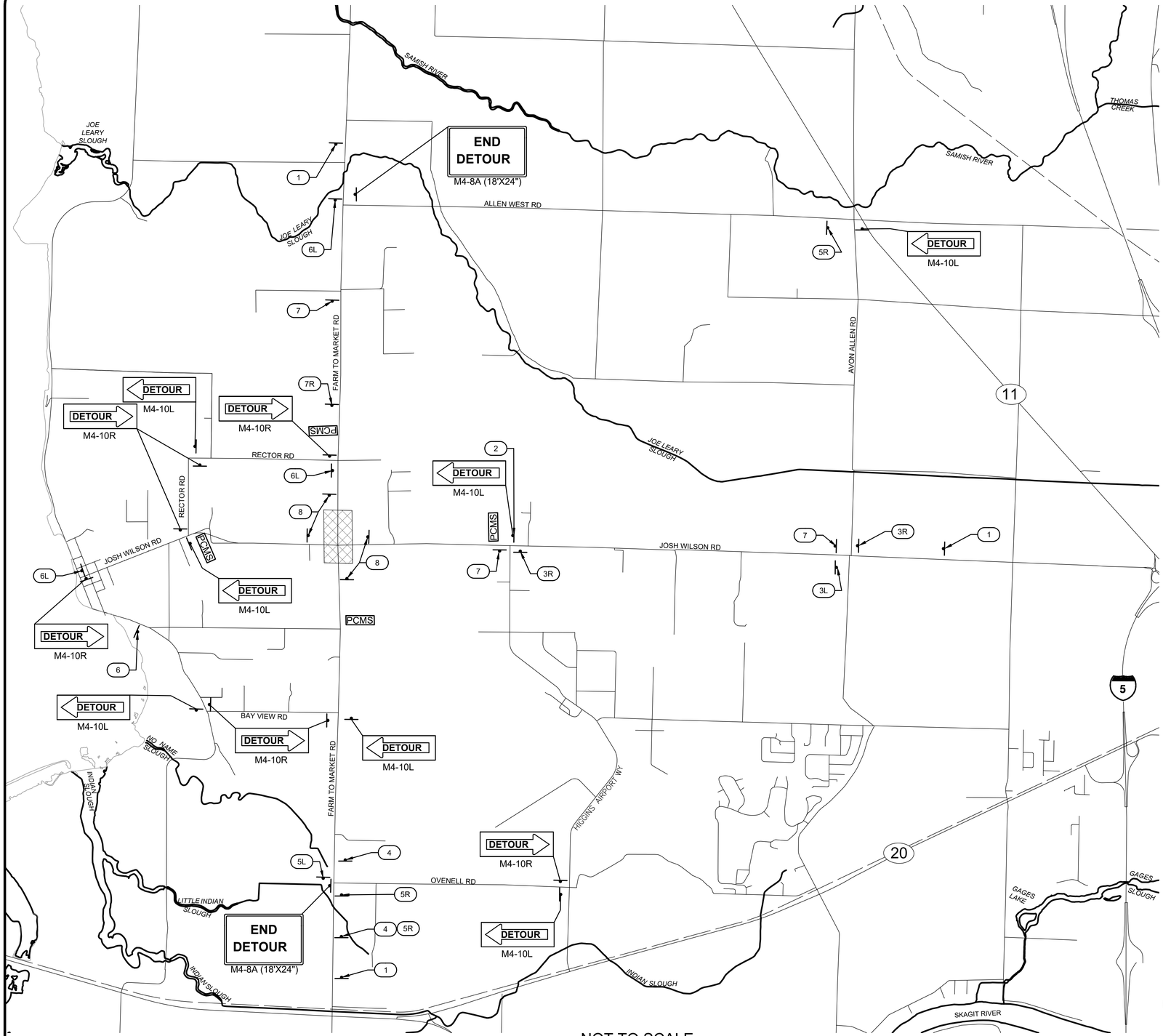
PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,833, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

LEGEND & GENERAL NOTES

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET **2** OF **24**



LEGEND

TEMPORARY SIGN

PORTABLE CHANGEABLE MESSAGE SIGN — PCMS

ROAD CLOSURE AREA

N

PCMS	
1	2
ROAD TO BE CLOSED	XX/XX/XX TO XX/XX/XX
2.0 SEC	2.0 SEC
FIELD LOCATE APPROX. AS SHOWN	

NOTES

1. INSTALL TEMPORARY SIGNS PER WSDOT STANDARD PLAN K-80.10.
2. PCMS TO BE IN PLACE 5 DAYS PRIOR TO BEGINNING OF WORK.

M4-9 MOD — FARM TO MARKET/JOSH WILSON ROAD CLOSED XX MILES AHEAD / FOLLOW DETOUR — 60" × 48" — (1) QTY: 3

M4-9 MOD — FARM TO MARKET/JOSH WILSON ROAD CLOSED XX MILES AHEAD / LOCAL TRAFFIC ONLY — 60" × 48" — (2) QTY: 1

M4-9 MOD — FARM TO MARKET NORTH / DETOUR (→) — 60" × 48" — (3R) QTY: 2

M4-9 MOD — FARM TO MARKET NORTH / DETOUR (←) — 60" × 48" — (3L) QTY: 1

M4-9 MOD — FARM TO MARKET NORTH/ JOSH WILSON RD WEST / DETOUR (↑) — 60" × 48" — (4) QTY: 2

M4-9 MOD — JOSH WILSON RD EAST / DETOUR (→) — 60" × 48" — (5R) QTY: 3

M4-9 MOD — JOSH WILSON RD EAST / DETOUR (←) — 60" × 48" — (5L) QTY: 1

M4-9 MOD — FARM TO MARKET SOUTH / DETOUR (←) — 60" × 48" — (6L) QTY: 3

M4-9 MOD — FARM TO MARKET SOUTH / DETOUR (↑) — 60" × 48" — (6) QTY: 1

M4-9 MOD — FARM TO MARKET SOUTH/ JOSH WILSON RD / DETOUR (→) — 60" × 48" — (7R) QTY: 1

M4-9 MOD — FARM TO MARKET SOUTH/ JOSH WILSON RD / DETOUR (↑) — 48" — (7) QTY: 3

W20-3 — ROAD CLOSED 500 FT — 36" × 36" — (8) QTY: 4

DATUM

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NO.	REVISIONS	DATE

DESIGN ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EKN
DRAWN BY: EKN
CHECKED BY: GRC
APPROVED BY:

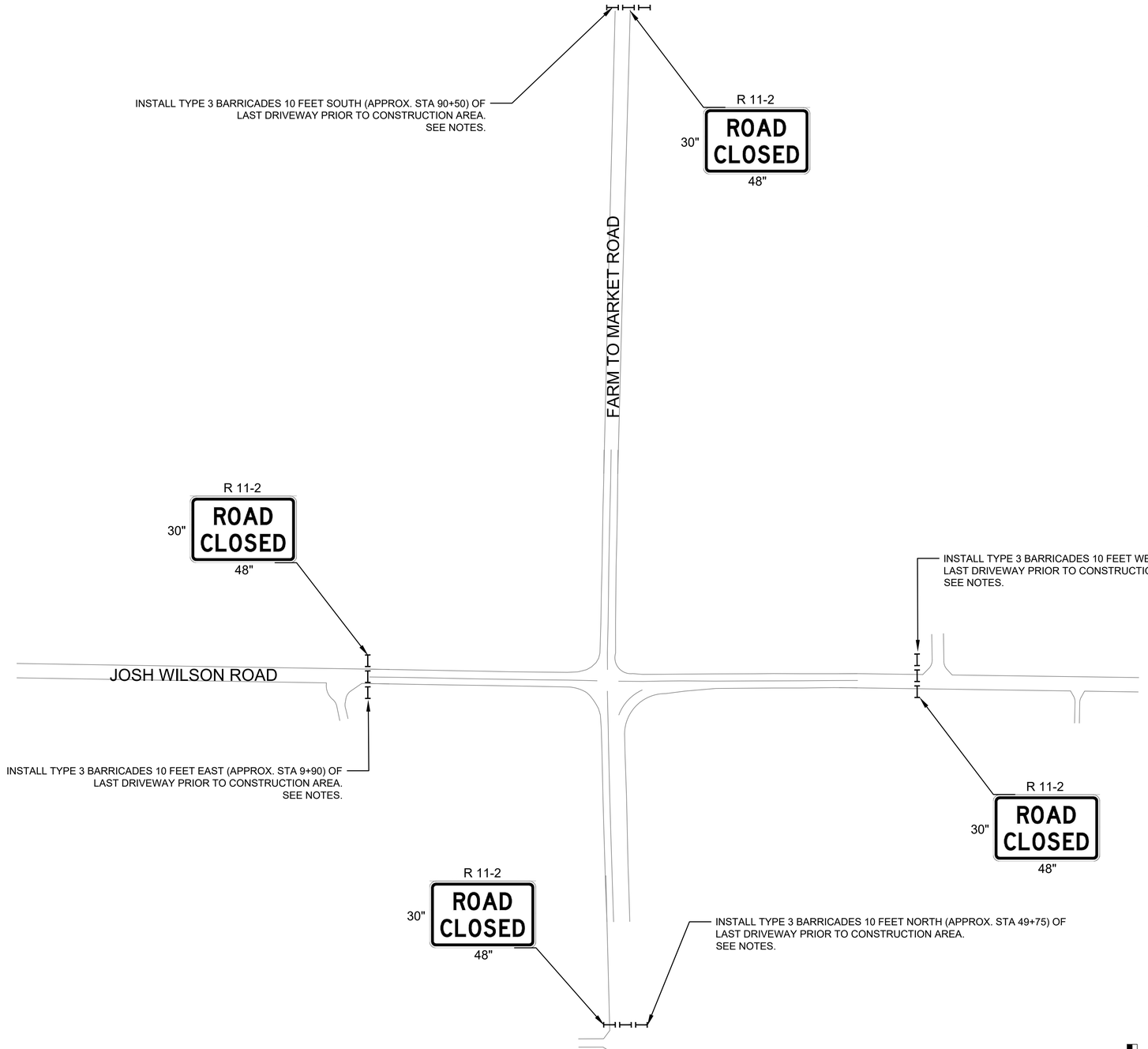
PROJECT LOCATED NEAR: BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

DETOUR ROUTE

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET 3 OF 24



LEGEND

TYPE 3 BARRICADES, SEE NOTE 1

NOTES

1. BARRICADES TO BE TYPE 3 WITH BEACON PER WSDOT STANDARD PLAN K-80.20-00.
2. R11-2 SIGNS TO BE MOUNTED TO BARRICADE PER MANUFACTURER RECOMMENDATIONS OR WSDOT STANDARD PLAN K-80.20-00.
3. BARRICADES TO BE ADJUSTED AS REQUIRED OR DIRECTED BY ENGINEER.
4. CONTRACTOR SHALL COORDINATE PLACEMENT OF BARRICADES WITH LOCAL CONSTRUCTION WORK, TO AVOID BLOCKING SIDE ROAD ACCESS.

DATUM

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NO.	REVISIONS	DATE

DESIGN ENGINEER

RICHARD GLENN HOUNIARD
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EKN
DRAWN BY: EKN
CHECKED BY: RLW
APPROVED BY:

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

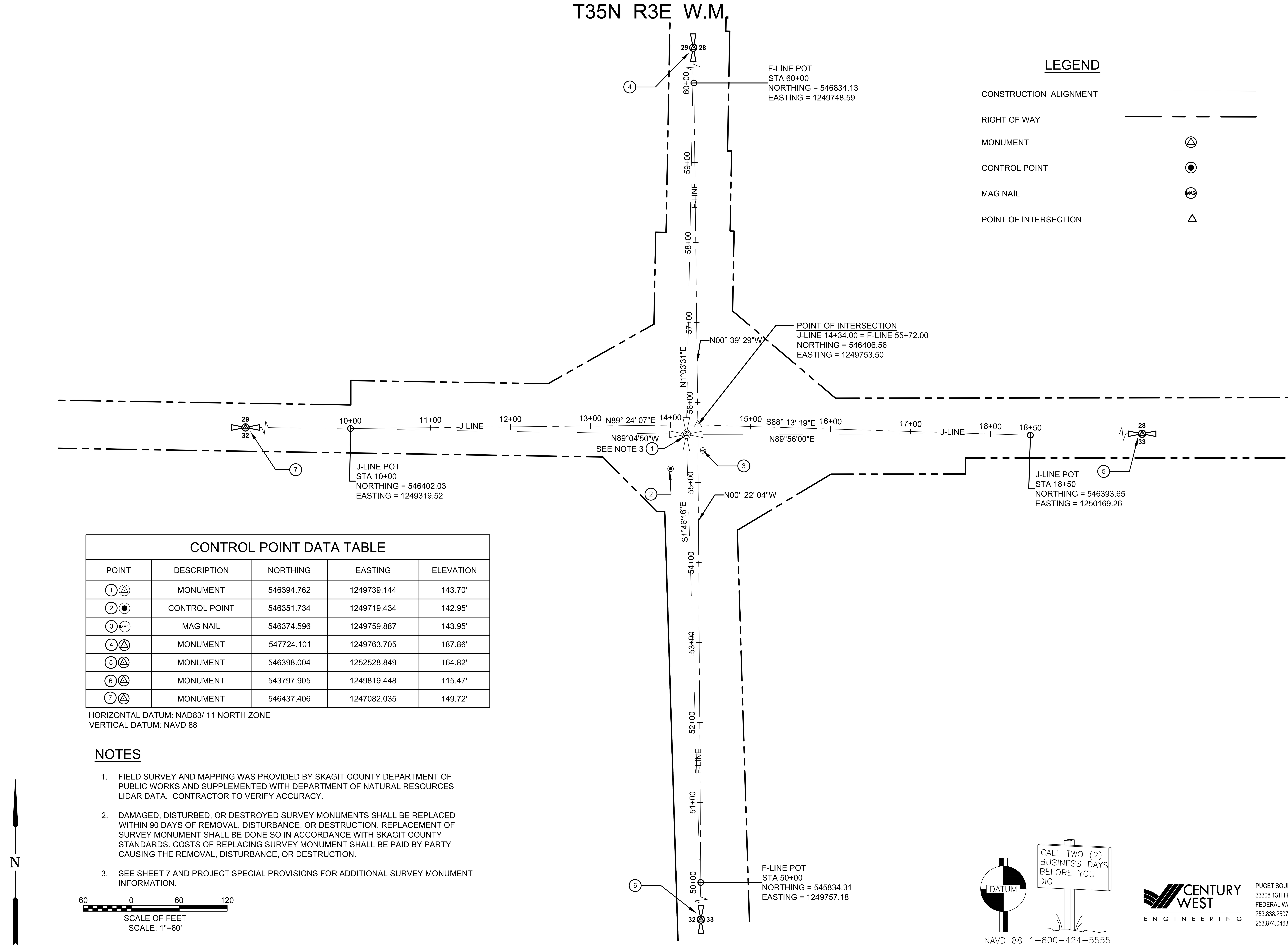
FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

TRAFFIC CONTROL PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
4 OF **24**

T35N R3E W.M.



LEGEND

CONSTRUCTION ALIGNMENT	
RIGHT OF WAY	
MONUMENT	
CONTROL POINT	
MAG NAIL	
POINT OF INTERSECTION	

CONTROL POINT DATA TABLE

POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	MONUMENT	546394.762	1249739.144	143.70'
2	CONTROL POINT	546351.734	1249719.434	142.95'
3	MAG NAIL	546374.596	1249759.887	143.95'
4	MONUMENT	547724.101	1249763.705	187.86'
5	MONUMENT	546398.004	1252528.849	164.82'
6	MONUMENT	543797.905	1249819.448	115.47'
7	MONUMENT	546437.406	1247082.035	149.72'

HORIZONTAL DATUM: NAD83/ 11 NORTH ZONE
VERTICAL DATUM: NAVD 88

NOTES

1. FIELD SURVEY AND MAPPING WAS PROVIDED BY SKAGIT COUNTY DEPARTMENT OF PUBLIC WORKS AND SUPPLEMENTED WITH DEPARTMENT OF NATURAL RESOURCES LIDAR DATA. CONTRACTOR TO VERIFY ACCURACY.
2. DAMAGED, DISTURBED, OR DESTROYED SURVEY MONUMENTS SHALL BE REPLACED WITHIN 90 DAYS OF REMOVAL, DISTURBANCE, OR DESTRUCTION. REPLACEMENT OF SURVEY MONUMENT SHALL BE DONE SO IN ACCORDANCE WITH SKAGIT COUNTY STANDARDS. COSTS OF REPLACING SURVEY MONUMENT SHALL BE PAID BY PARTY CAUSING THE REMOVAL, DISTURBANCE, OR DESTRUCTION.
3. SEE SHEET 7 AND PROJECT SPECIAL PROVISIONS FOR ADDITIONAL SURVEY MONUMENT INFORMATION.

DATUM
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NO.	REVISIONS	DATE

DESIGN ENGINEER
GLENN RICHARD CHOUINARD, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 42306

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: KH
DRAWN BY: KH
CHECKED BY: RLW
APPROVED BY:
PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

ALIGNMENT PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

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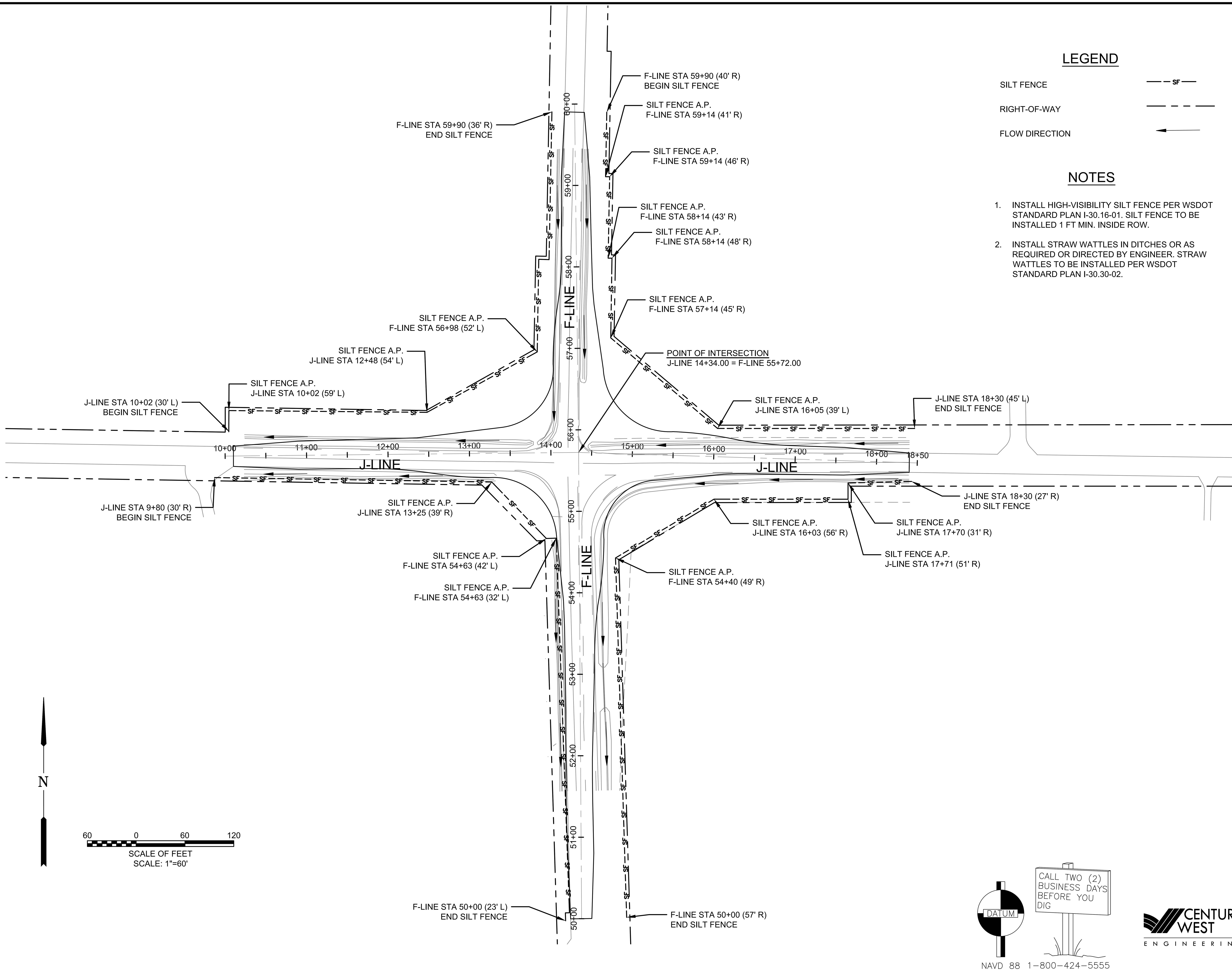

LEGEND

SILT FENCE — SF —

RIGHT-OF-WAY — — —

FLOW DIRECTION ←

NOTES

1. INSTALL HIGH-VISIBILITY SILT FENCE PER WSDOT STANDARD PLAN I-30.16-01. SILT FENCE TO BE INSTALLED 1 FT MIN. INSIDE ROW.
2. INSTALL STRAW WATTLES IN DITCHES OR AS REQUIRED OR DIRECTED BY ENGINEER. STRAW WATTLES TO BE INSTALLED PER WSDOT STANDARD PLAN I-30.30-02.

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NO.	REVISIONS	DATE

DESIGN ENGINEER

GLENN RICHARD CHOUINARD, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER 42306

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

TESC PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
6 OF 24

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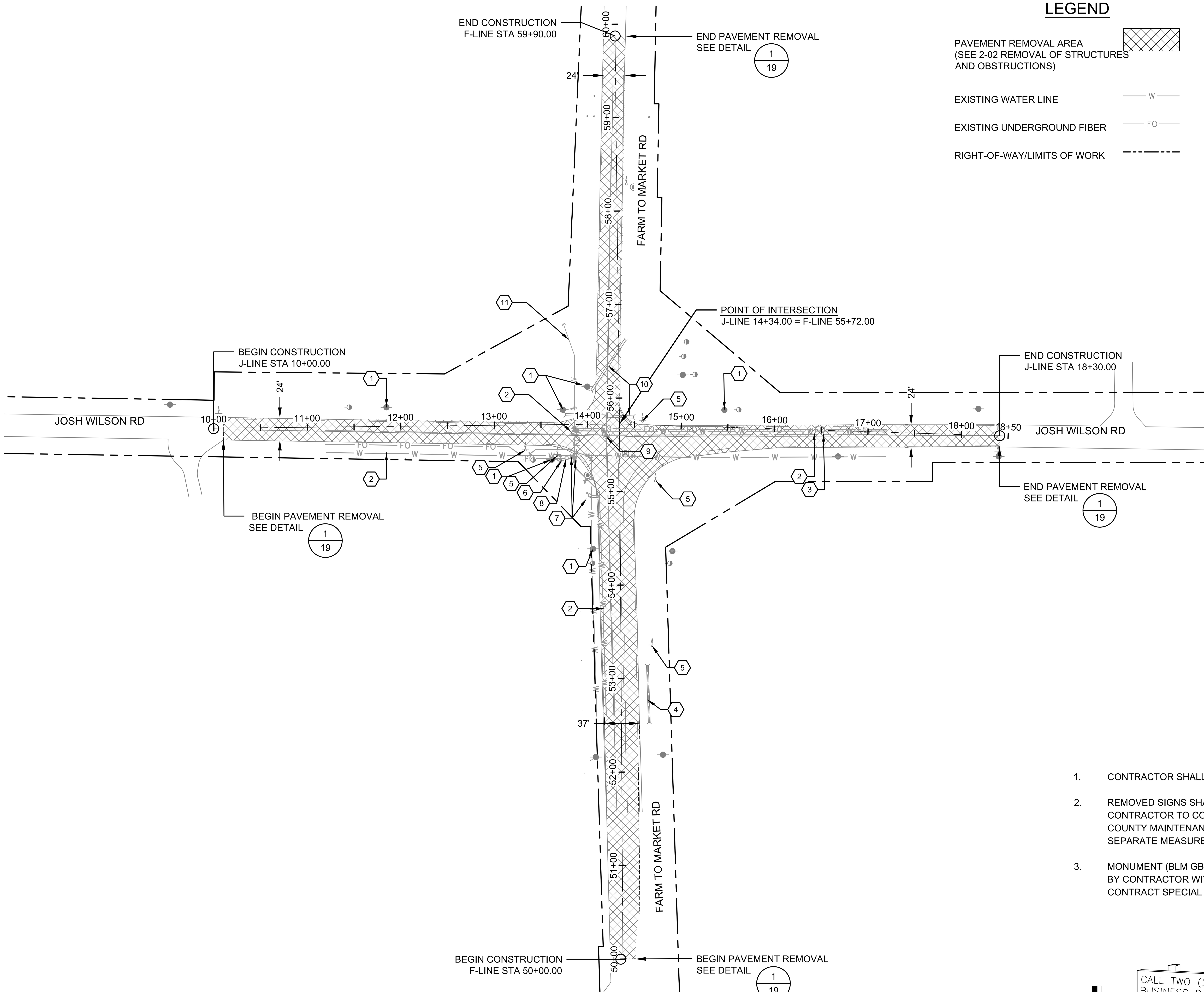

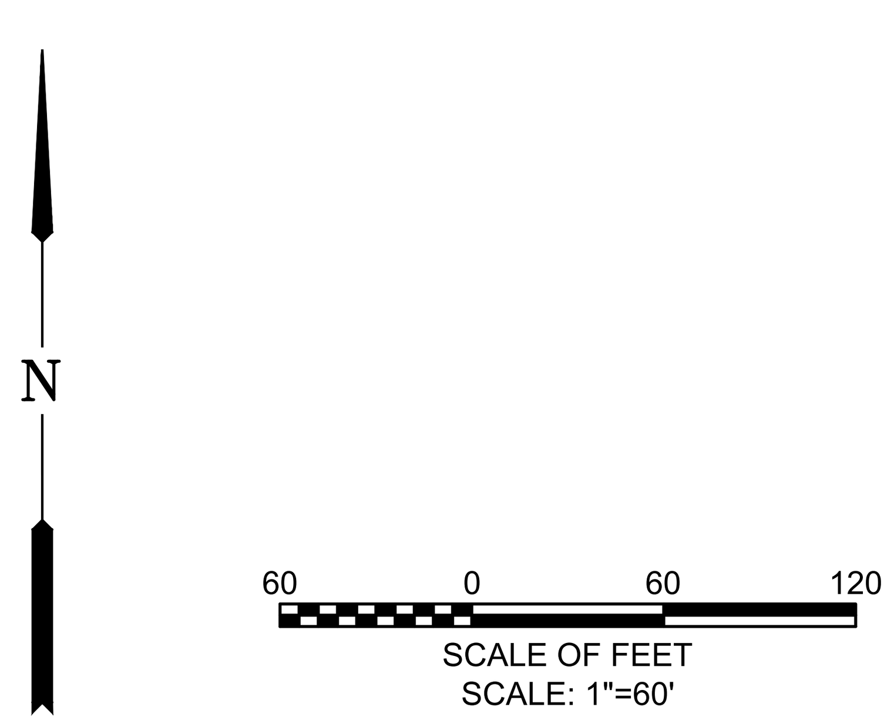

LEGEND

PAVEMENT REMOVAL AREA (SEE 2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS)	
EXISTING WATER LINE	W
EXISTING UNDERGROUND FIBER	FO
RIGHT-OF-WAY/LIMITS OF WORK	

KEYNOTES

1. UTILITY POLE TO BE RELOCATED (BY OTHERS)
2. PROTECT EXISTING WATER LINE(S) AND VALVE(S)
3. PROTECT EXISTING UNDERGROUND TELE/COMM LINES
4. PRESERVE AND PROTECT EXISTING CONCRETE CULVERT
5. REMOVE SIGN. SEE NOTE 2
6. FIRE HYDRANT TO BE RELOCATED BY OTHERS. SEE SHEET 13
7. REMOVE EXISTING CONCRETE PADS. PRESERVE AND PROTECT EXISTING UTILITY BOXES. ADJUST RIMS TO MATCH FINISH GRADE. SEE SHEET 13
8. FIBER VAULT TO BE RELOCATED BY OTHERS
9. REMOVE MONUMENT, SEE NOTE 3
10. REMOVE EXISTING CONCRETE CULVERT
11. WATER LINE EXTENSION TO BE INSTALLED BY SKAGIT COUNTY PUD.

NOTES

1. CONTRACTOR SHALL LOCATE ALL UTILITIES PRIOR TO CONSTRUCTION.
2. REMOVED SIGNS SHALL REMAIN PROPERTY OF SKAGIT COUNTY. CONTRACTOR TO COORDINATE WITH COUNTY TO ARRANGE DELIVERY TO COUNTY MAINTENANCE YARD. SIGN REMOVAL SHALL BE INCIDENTAL AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
3. MONUMENT (BLM GBDB CODE 300200) TO BE REMOVED AND REESTABLISHED BY CONTRACTOR WITHIN THE PARAMETERS OF THE DNR PERMIT. SEE CONTRACT SPECIAL PROVISIONS AND DNR PERMIT NO. 7009.

DATUM
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NO. | REVISIONS | DATE

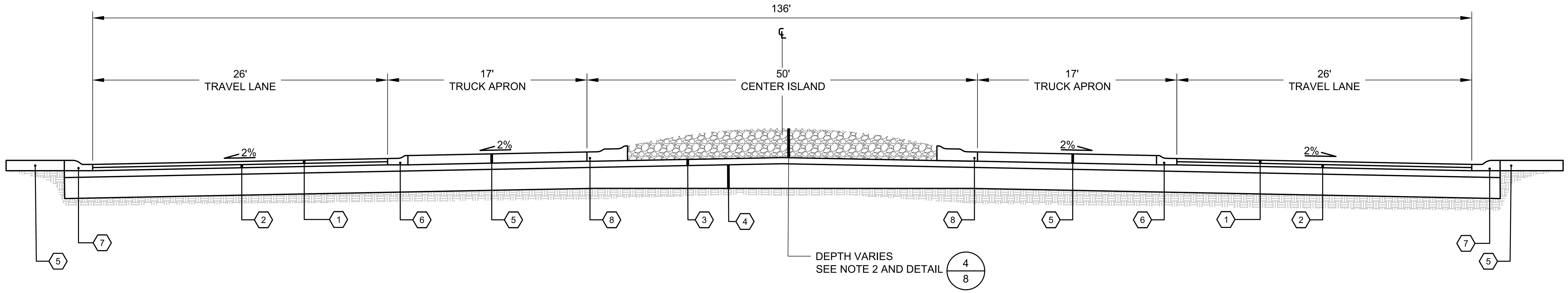
DESIGN ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:
PROJECT LOCATED NEAR: BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

SITE PREP & DEMO PLAN

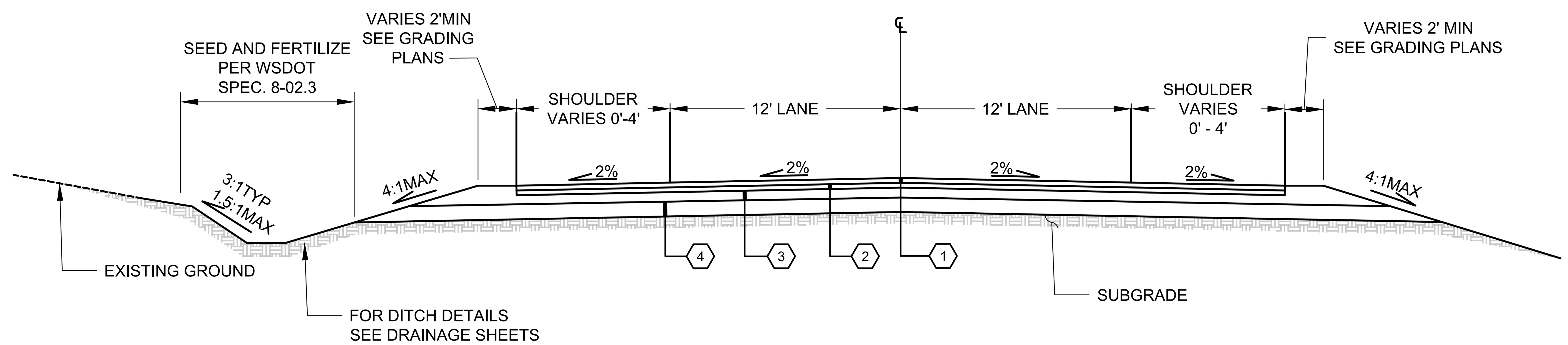
1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY



TYPICAL SECTION CENTER ISLAND

1/8

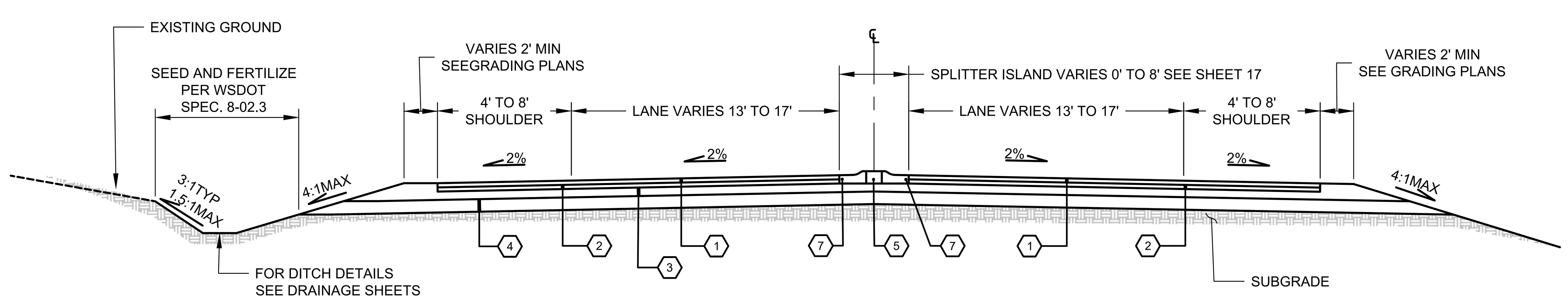
SCALE: N.T.S.



TYPICAL SECTION WITHOUT SPLITTER ISLANDS

2/8

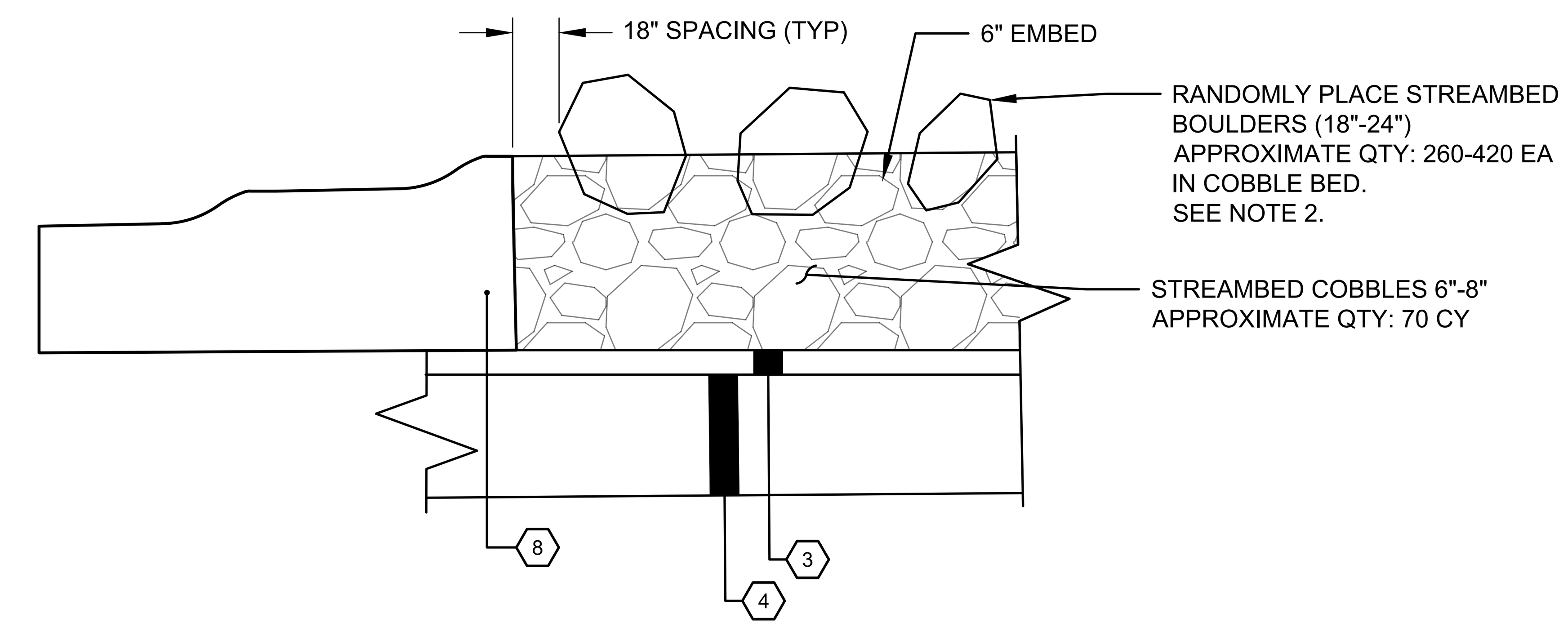
SCALE: N.T.S.



TYPICAL SECTION WITH SPLITTER ISLANDS

3/8

SCALE: N.T.S.



CENTRAL ISLAND LANDSCAPE DETAIL

4/8

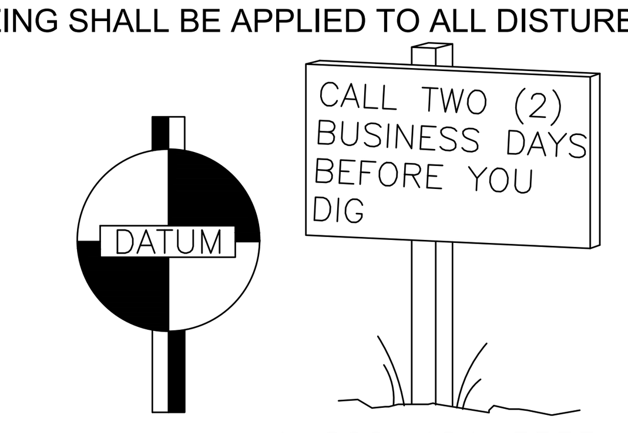
SCALE: N.T.S.

KEYNOTES:

1. 2 IN LIFT HMA CL 1/2 - IN PG 58H-22
2. 3 IN LIFT HMA CL 1/2 - IN PG 58H-22
3. 2 IN (MIN) CRUSHED SURFACING TOP COURSE
4. 10 IN CRUSHED SURFACING BASE COURSE
5. 8 IN TEXTURED AND RED PIGMENTED CEMENT CONCRETE PAVEMENT, SEE NOTE 1
6. CURB 1: ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB & GUTTER PER WSDOT STD PLANS F-10.18
7. CURB 2: (OUTSIDE, RIGHT SIDE, OR SPLITTER ISLAND ROUNDABOUT CEMENT CONCRETE CURB AND GUTTER PER WSDOT STD PLANS F-10.18
8. CURB 3: ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB PER WSDOT STD PLANS F-10.18

NOTES:

1. PIGMENT SHALL BE UNIFORMLY MIXED IN TO THE CONCRETE. HAND-MIXING OR HAND-SPREADING OF PIGMENT WILL NOT BE ACCEPTED. PIGMENT COLOR TO BE APPROVED BY THE ENGINEER.
2. STREAMBED COBBLES TO BE MOUNDED EVENLY FROM CURB TO THE CENTER IN A DOME SHAPE TO ACHIEVE A MINIMUM HEIGHT OF 3.5' AT THE CENTER OF THE ISLAND, MEASURED FROM THE GROUND ELEVATION AT THE OUTER EDGE OF THE TRAVEL LANE. STREAMBED BOULDERS SHALL BE DISTRIBUTED EVENLY.
3. SEEDING AND FERTILIZING SHALL BE APPLIED TO ALL DISTURBED AND NON-PAVED AREAS.



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NO.	REVISIONS	DATE

DESIGN ENGINEER

GLENN RICHARD CHOUINARD, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER, 42306

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: KEH
DRAWN BY: KEH
CHECKED BY: RLW
APPROVED BY:

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

ROADWAY SECTIONS

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

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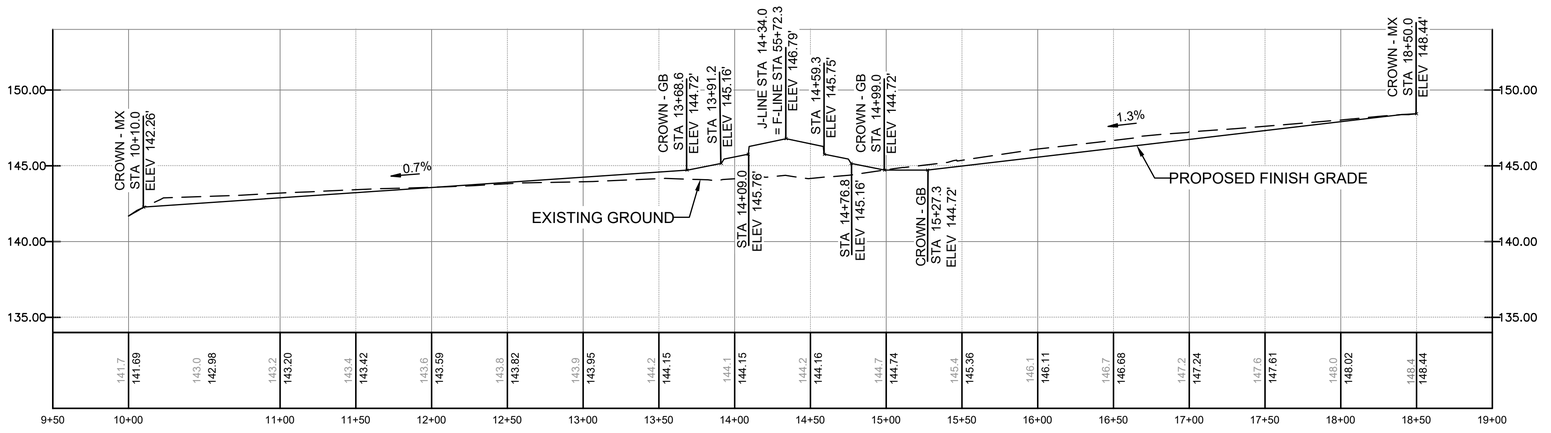
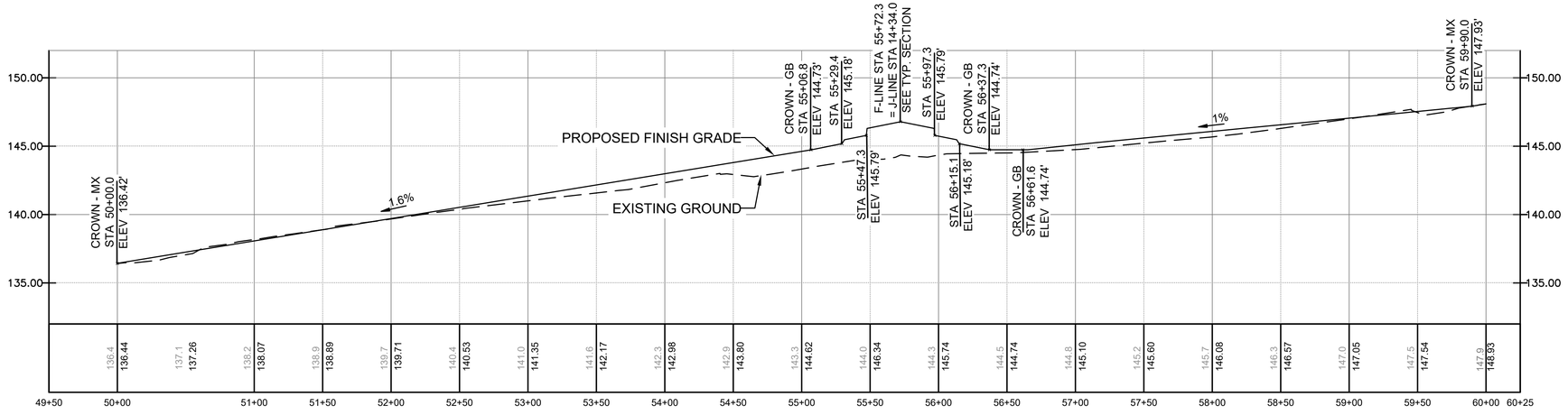


J-LINE PROFILE VIEW



F-LINE PROFILE VIEW

ABBREVIATIONS

FG	FINISH GRADE
MX	MATCH EXISTING
GB	GRADE BREAK

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50 0 50 100
SCALE OF FEET
HORIZ SCALE: 1"=50'
VERT SCALE: 1"=5'

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NO.	REVISIONS	DATE

DESIGN ENGINEER
RICHARD GLENN BOUDREAU
STATE OF WASHINGTON
PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

ROADWAY PROFILES

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

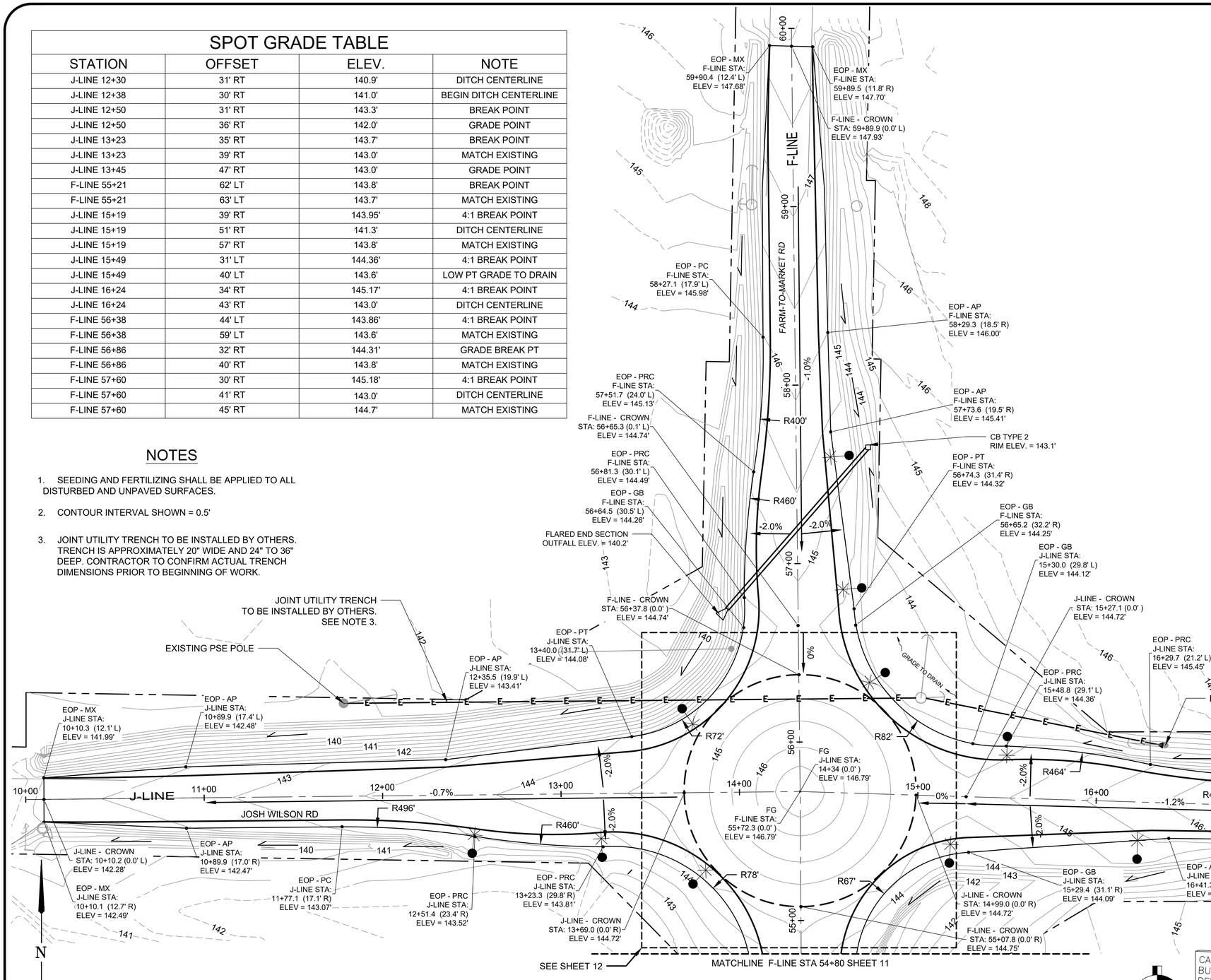
SHEET
9 OF **24**

SPOT GRADE TABLE

STATION	OFFSET	ELEV.	NOTE
J-LINE 12+30	31' RT	140.9'	DITCH CENTERLINE
J-LINE 12+38	30' RT	141.0'	BEGIN DITCH CENTERLINE
J-LINE 12+50	31' RT	143.3'	BREAK POINT
J-LINE 12+50	36' RT	142.0'	GRADE POINT
J-LINE 13+23	35' RT	143.7'	BREAK POINT
J-LINE 13+23	39' RT	143.0'	MATCH EXISTING
J-LINE 13+45	47' RT	143.0'	GRADE POINT
F-LINE 55+21	62' LT	143.8'	BREAK POINT
F-LINE 55+21	63' LT	143.7'	MATCH EXISTING
J-LINE 15+19	39' RT	143.95'	4:1 BREAK POINT
J-LINE 15+19	51' RT	141.3'	DITCH CENTERLINE
J-LINE 15+19	57' RT	143.8'	MATCH EXISTING
J-LINE 15+49	31' LT	144.36'	4:1 BREAK POINT
J-LINE 15+49	40' LT	143.6'	LOW PT GRADE TO DRAIN
J-LINE 16+24	34' RT	145.17'	4:1 BREAK POINT
J-LINE 16+24	43' RT	143.0'	DITCH CENTERLINE
F-LINE 56+38	44' LT	143.86'	4:1 BREAK POINT
F-LINE 56+38	59' LT	143.6'	MATCH EXISTING
F-LINE 56+86	32' RT	144.31'	GRADE BREAK PT
F-LINE 56+86	40' RT	143.8'	MATCH EXISTING
F-LINE 57+60	30' RT	145.18'	4:1 BREAK POINT
F-LINE 57+60	41' RT	143.0'	DITCH CENTERLINE
F-LINE 57+60	45' RT	144.7'	MATCH EXISTING

NOTES

1. SEEDING AND FERTILIZING SHALL BE APPLIED TO ALL DISTURBED AND UNPAVED SURFACES.
2. CONTOUR INTERVAL SHOWN = 0.5'
3. JOINT UTILITY TRENCH TO BE INSTALLED BY OTHERS. TRENCH IS APPROXIMATELY 20" WIDE AND 24" TO 36" DEEP. CONTRACTOR TO CONFIRM ACTUAL TRENCH DIMENSIONS PRIOR TO BEGINNING OF WORK.



LEGEND

- PROPOSED EDGE OF PAVEMENT
- PROPOSED EDGE OF SHOULDER TO TRAVEL LANE
- RIGHT-OF-WAY
- PROPOSED CONTOUR — 145 —
- EXISTING CONTOUR — 145 —
- PROPOSED CULVERT PIPE
- PROPOSED CATCH BASIN
- PROPOSED CONC CULVERT FLARED END
- JOINT UTILITY TRENCH —E—E—

ABBREVIATIONS

FG	FINISH GRADE
MX	MATCH EXISTING
GB	GRADE BREAK
AP	ANGLE POINT
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POC	POINT ON CURVE
POT	POINT ON TANGENT
MPOC	MID-POINT ON CURVE
FOC	FACE-OF-CURB

DATUM
NAVD 88

CALL TWO (2) BUSINESS DAYS BEFORE YOU DIG
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CENTURY WEST ENGINEERING
PUGET SOUND OFFICE
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(360) 416-1400 FAX (360) 416-1405

DESIGN ENGINEER
RICHARD GLENN ENEWTON
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

NO.	REVISIONS	DATE

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

PROJECT LOCATED NEAR: BURLINGTON, WA
SECTION 28,29, 32,833, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

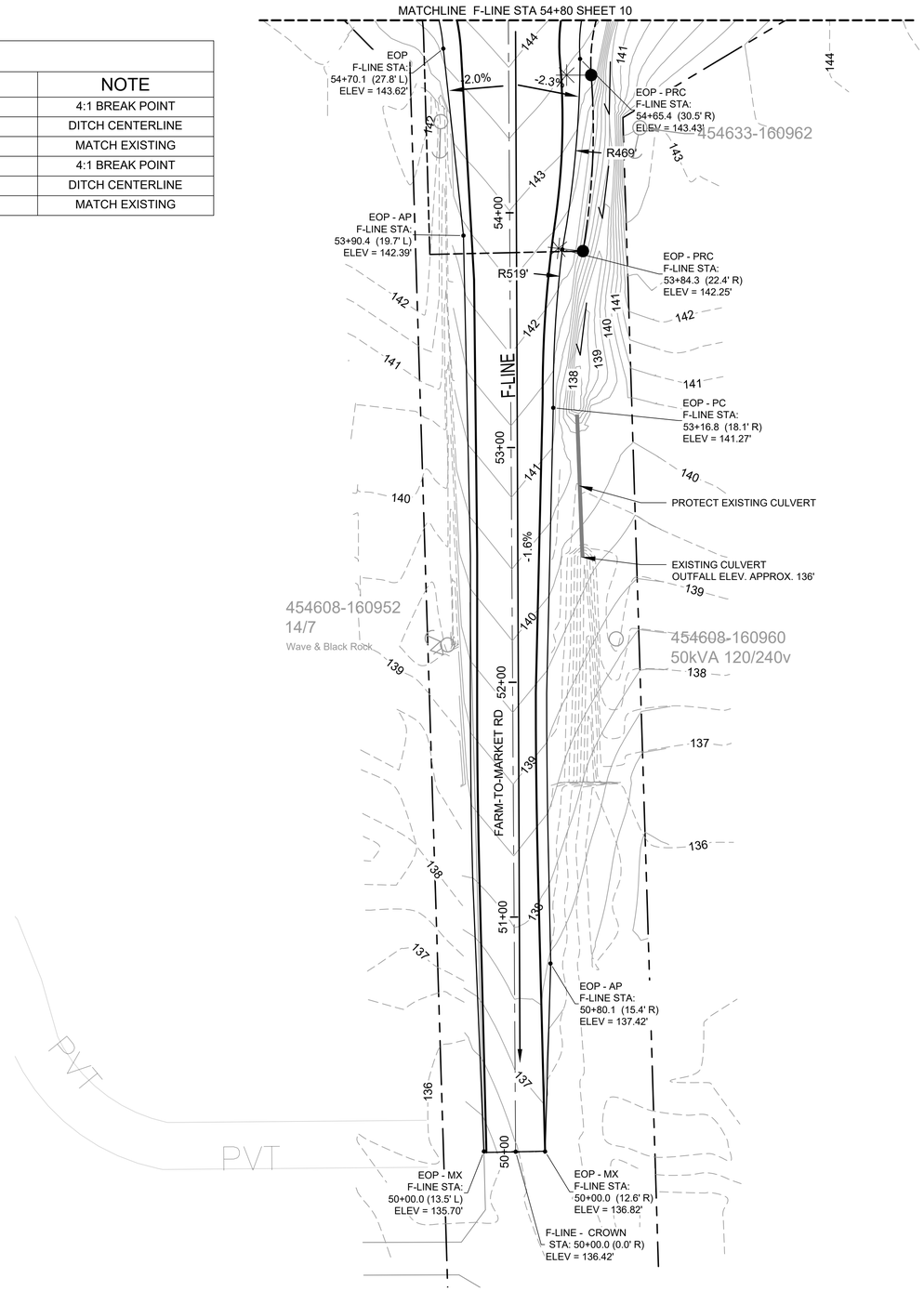
GRADING PLAN - NORTH

1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY

SHEET 10 OF 24

SPOT GRADE TABLE

STATION	OFFSET	ELEV.	NOTE
F-LINE 53+83	27' RT	142.17'	4:1 BREAK POINT
F-LINE 53+83	39' RT	139.0'	DITCH CENTERLINE
F-LINE 53+83	48' RT	142.8'	MATCH EXISTING
F-LINE 54+58	37' RT	143.2'	4:1 BREAK POINT
F-LINE 54+58	43' RT	140.1'	DITCH CENTERLINE
F-LINE 54+58	57' RT	143.0'	MATCH EXISTING



N

30 0 30 60
SCALE OF FEET
SCALE: 1"=30'

LEGEND

PROPOSED EDGE OF PAVEMENT

PROPOSED EDGE OF SHOULDER TO TRAVEL LANE

RIGHT-OF-WAY

PROPOSED CONTOUR — 145 —

EXISTING CONTOUR — 145 —

ABBREVIATIONS

FG	FINISH GRADE
MX	MATCH EXISTING
GB	GRADE BREAK
AP	ANGLE POINT
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POC	POINT ON CURVE
POT	POINT ON TANGENT
MPOC	MID-POINT ON CURVE
FOC	FACE-OF-CURB

NOTES

1. SEEDING AND FERTILIZING SHALL BE APPLIED TO ALL DISTURBED AND UNPAVED SURFACES.

DATUM
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SKAGIT COUNTY PUBLIC WORKS
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MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

DESIGN ENGINEER
RICHARD GLENN BOUDARD
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

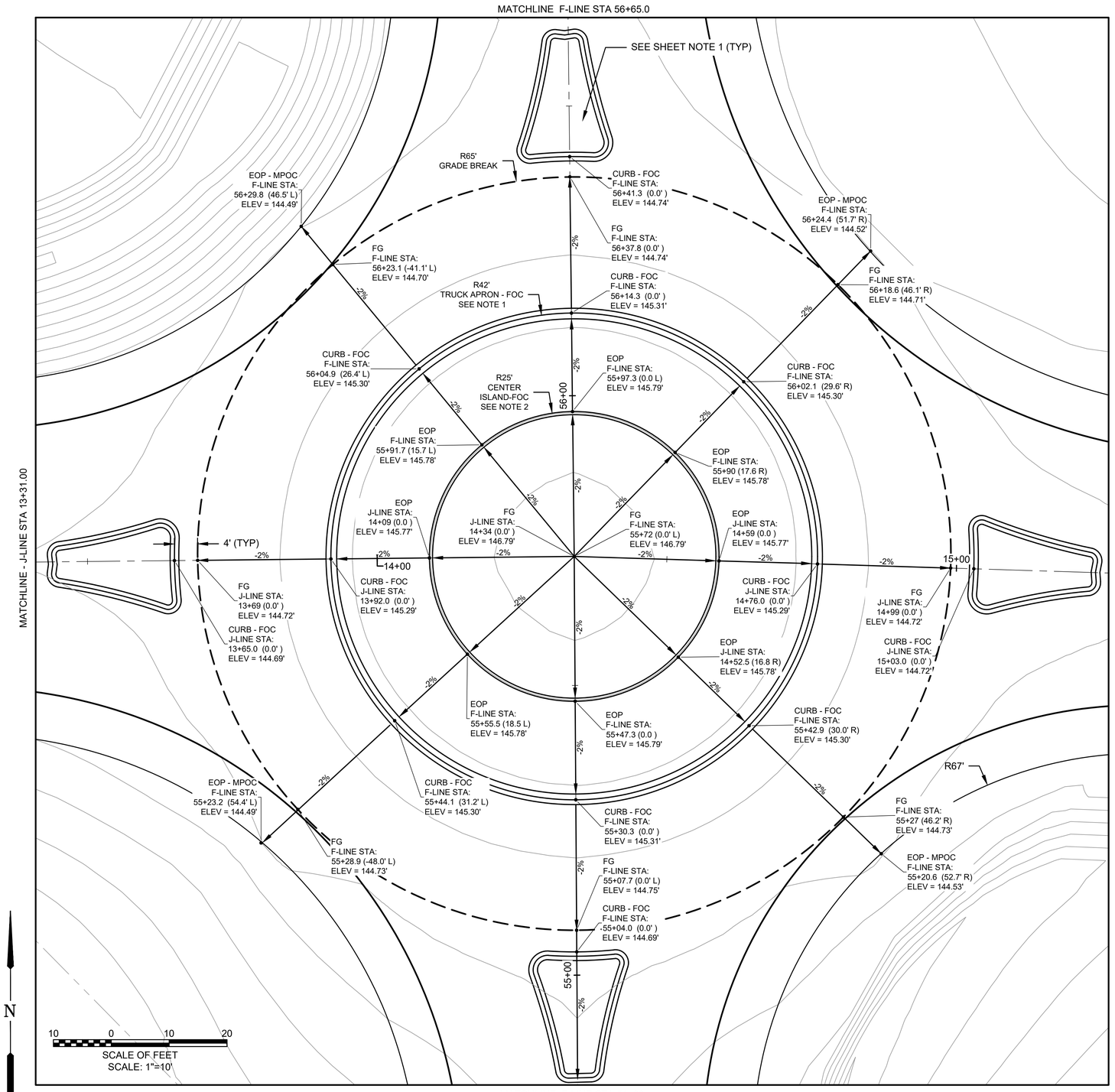
FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,833, T 35 N, R 03 E

GRADING PLAN - SOUTH

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
11 OF 24



LEGEND

PROPOSED EDGE OF PAVEMENT	———
PROPOSED EDGE OF SHOULDER TO TRAVEL LANE	———
RIGHT-OF-WAY	— — —
PROPOSED CONTOUR	—— 145 ——
EXISTING CONTOUR	— — 145 — —

ABBREVIATIONS

FG	FINISH GRADE
MX	MATCH EXISTING
GB	GRADE BREAK
AP	ANGLE POINT
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POC	POINT ON CURVE
POT	POINT ON TANGENT
MPOC	MID-POINT ON CURVE
FOC	FACE-OF-CURB

NOTES

1. CURB 1: ROUNDABOUT TRUCK APRON CEMENT CONCRETE CURB & GUTTER PER WSDOT STD PLAN F-10.18.
2. CURB 3: ROUNDABOUT CENTRAL ISLAND CEMENT CONCRETE CURB PER WSDOT STD PLAN F-10.12.
3. SEEDING AND FERTILIZING SHALL BE APPLIED TO ALL DISTURBED AND UNPAVED SURFACES.

DATUM

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NO.	REVISIONS	DATE

DESIGN ENGINEER

RICHARD GLENN SHOUDARD — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
CHECKED BY: RW
DRAWN BY: EN/KH
APPROVED BY:

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,833, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

GRADING PLAN - CENTER ISLAND

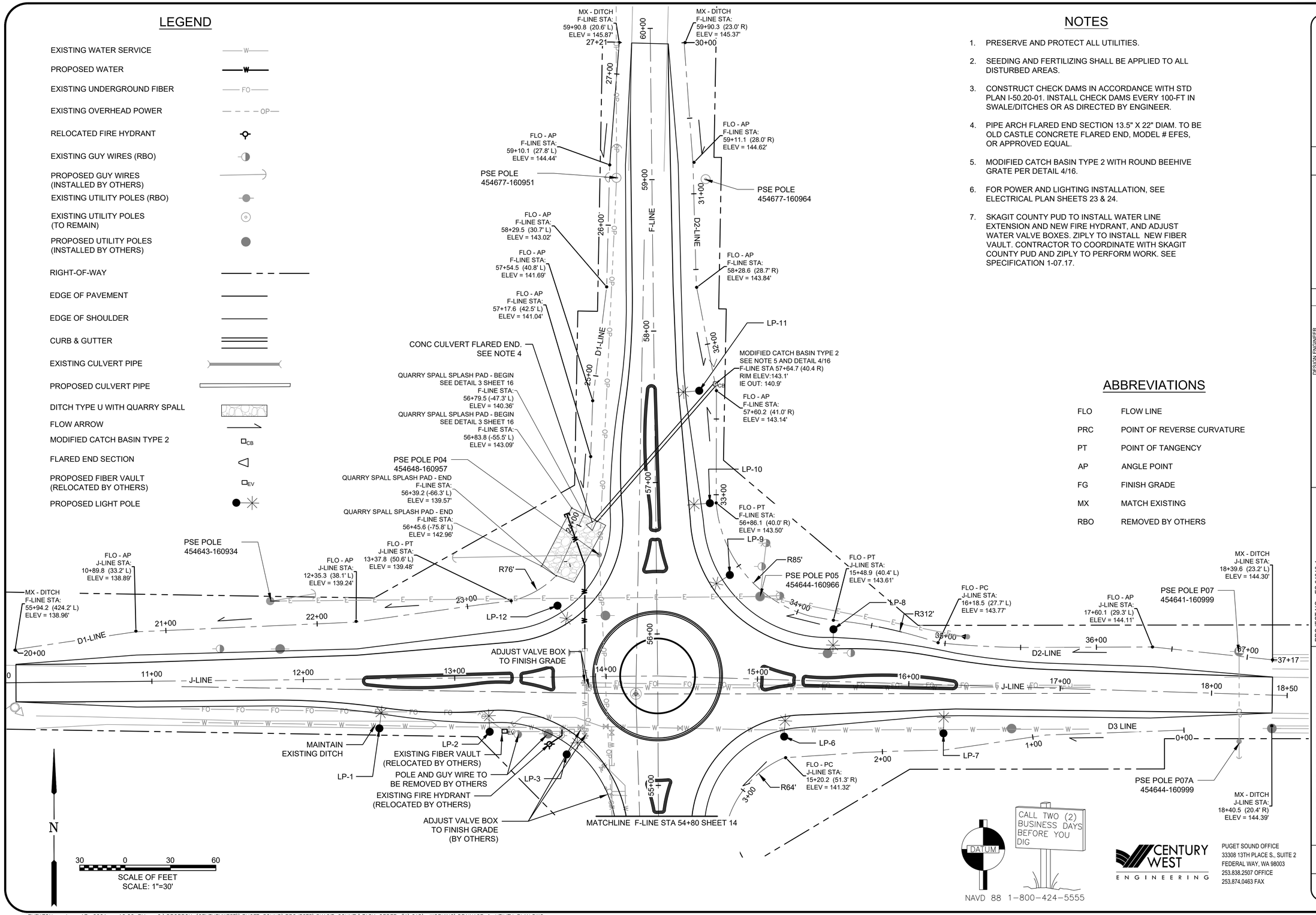
1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
12 OF **24**

ENEWTON – June 17, 2021 – 12:01 PM – C:\DROPBOX (CENTURYWEST)\PUGET SOUND\PROJECTS\SKAGIT COUNTY\TASK ORDER #1\CAD_WORKING\GRADING PLAN – CENTER ISLAND.DWG

LEGEND

- EXISTING WATER SERVICE — W
- PROPOSED WATER — W
- EXISTING UNDERGROUND FIBER — FO
- EXISTING OVERHEAD POWER — OP
- RELOCATED FIRE HYDRANT
- EXISTING GUY WIRES (RBO)
- PROPOSED GUY WIRES (INSTALLED BY OTHERS)
- EXISTING UTILITY POLES (RBO)
- EXISTING UTILITY POLES (TO REMAIN)
- PROPOSED UTILITY POLES (INSTALLED BY OTHERS)
- RIGHT-OF-WAY
- EDGE OF PAVEMENT
- EDGE OF SHOULDER
- CURB & GUTTER
- EXISTING CULVERT PIPE
- PROPOSED CULVERT PIPE
- DITCH TYPE U WITH QUARRY SPALL
- FLOW ARROW
- MODIFIED CATCH BASIN TYPE 2 — CB
- FLARED END SECTION
- PROPOSED FIBER VAULT (RELOCATED BY OTHERS) — EV
- PROPOSED LIGHT POLE



N

30 0 30 60

SCALE OF FEET
SCALE: 1"=30'

NOTES

1. PRESERVE AND PROTECT ALL UTILITIES.
2. SEEDING AND FERTILIZING SHALL BE APPLIED TO ALL DISTURBED AREAS.
3. CONSTRUCT CHECK DAMS IN ACCORDANCE WITH STD PLAN I-50.20-01. INSTALL CHECK DAMS EVERY 100-FT IN SWALE/DITCHES OR AS DIRECTED BY ENGINEER.
4. PIPE ARCH FLARED END SECTION 13.5" X 22" DIAM. TO BE OLD CASTLE CONCRETE FLARED END, MODEL # EFES, OR APPROVED EQUAL.
5. MODIFIED CATCH BASIN TYPE 2 WITH ROUND BEEHIVE GRATE PER DETAIL 4/16.
6. FOR POWER AND LIGHTING INSTALLATION, SEE ELECTRICAL PLAN SHEETS 23 & 24.
7. SKAGIT COUNTY PUD TO INSTALL WATER LINE EXTENSION AND NEW FIRE HYDRANT, AND ADJUST WATER VALVE BOXES. ZIPLY TO INSTALL NEW FIBER VAULT. CONTRACTOR TO COORDINATE WITH SKAGIT COUNTY PUD AND ZIPLY TO PERFORM WORK. SEE SPECIFICATION 1-07.17.

ABBREVIATIONS

FLO	FLOW LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
AP	ANGLE POINT
FG	FINISH GRADE
MX	MATCH EXISTING
RBO	REMOVED BY OTHERS

DATUM
NAVD 88

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CENTURY WEST ENGINEERING

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NO.	REVISIONS	DATE

DESIGN ENGINEER
GLENN RICHARD SCHOUNARD — STATE OF WASHINGTON — REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

PROJECT LOCATED NEAR: BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

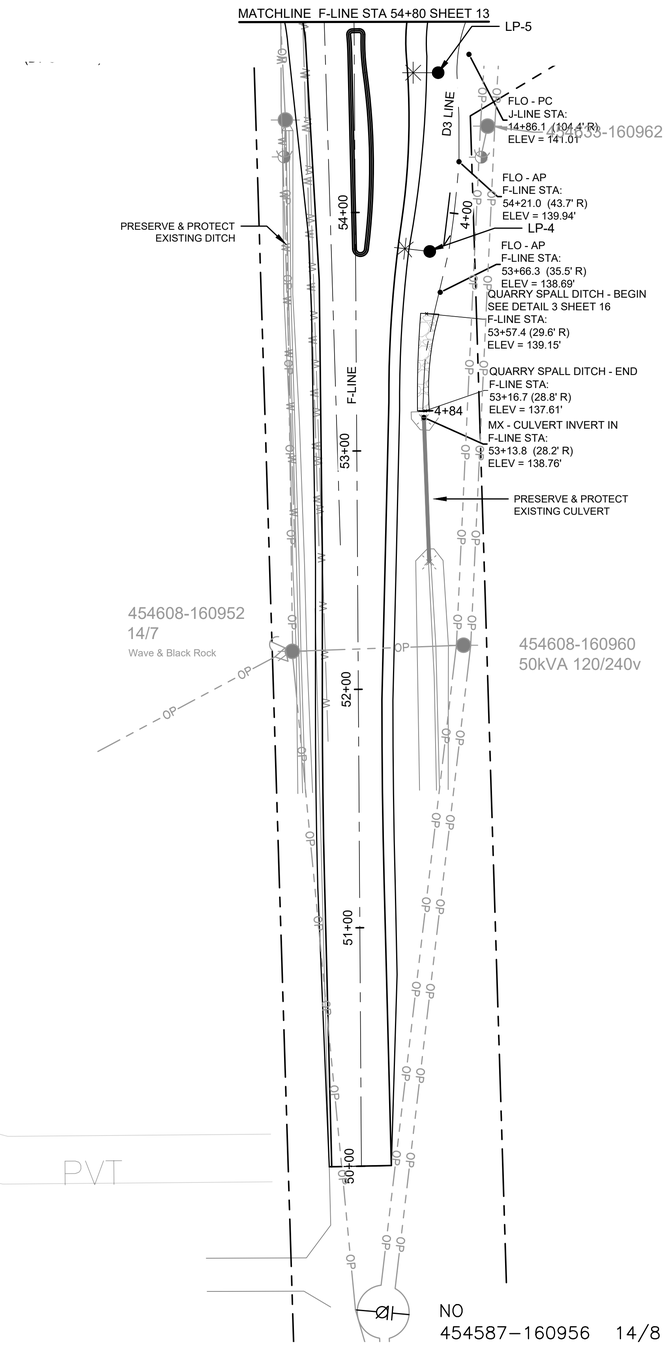
DRAINAGE & UTILITY PLAN - NORTH

1 INCH SCALE BAR ADJUST SCALE ACCORDINGLY

SHEET 13 OF 24

LEGEND

- EXISTING WATER SERVICE — W
- EXISTING OVERHEAD POWER — OP
- EXISTING GUY WIRES (RBO)
- PROPOSED GUY WIRES (INSTALLED BY OTHERS)
- EXISTING UTILITY POLES (RBO)
- EXISTING UTILITY POLES (TO REMAIN)
- PROPOSED UTILITY POLES (INSTALLED BY OTHERS)
- RIGHT-OF-WAY
- EDGE OF PAVEMENT
- EDGE OF SHOULDER
- CURB & GUTTER
- EXISTING CULVERT PIPE
- DITCH TYPE U WITH QUARRY SPALL
- FLOW ARROW
- PROPOSED LIGHT POLE



NOTES

1. PRESERVE AND PROTECT ALL UTILITIES.
2. SEEDING AND FERTILIZING SHALL BE APPLIED TO ALL DISTURBED AREAS.
3. CONSTRUCT CHECK DAMS IN ACCORDANCE WITH STD PLAN I-50.20-01. INSTALL CHECK DAMS EVERY 100-FT IN SWALE/DITCHES OR AS DIRECTED BY ENGINEER.

ABBREVIATIONS

FLO	FLOW LINE
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PT	POINT OF TANGENCY
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FG	FINISH GRADE
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RBO	REMOVED BY OTHERS

N

30 0 30 60
SCALE OF FEET
SCALE: 1"=30'

DATUM
NAVD 88

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NO.	REVISIONS	DATE

DESIGN ENGINEER
RICHARD GLENN SHOUDARD
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

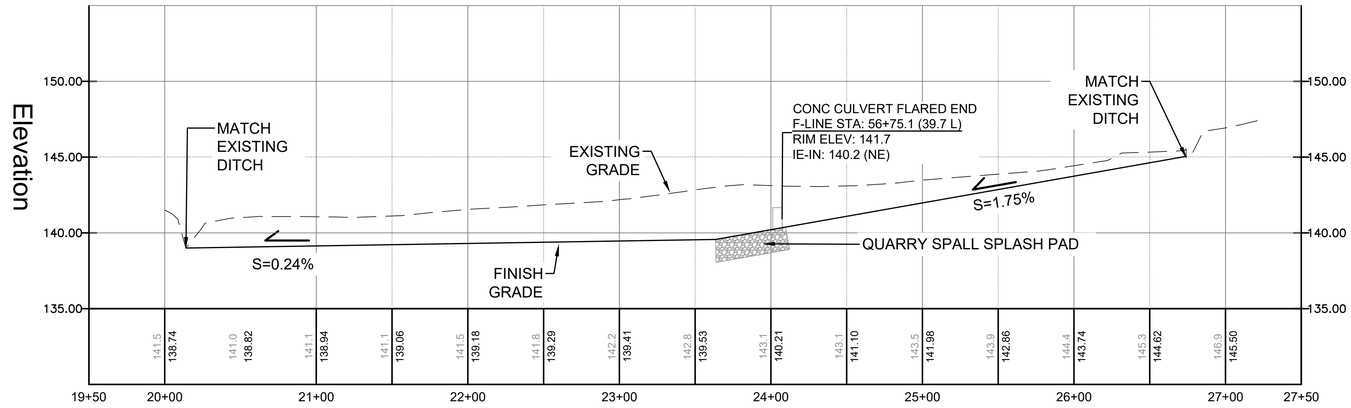
FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

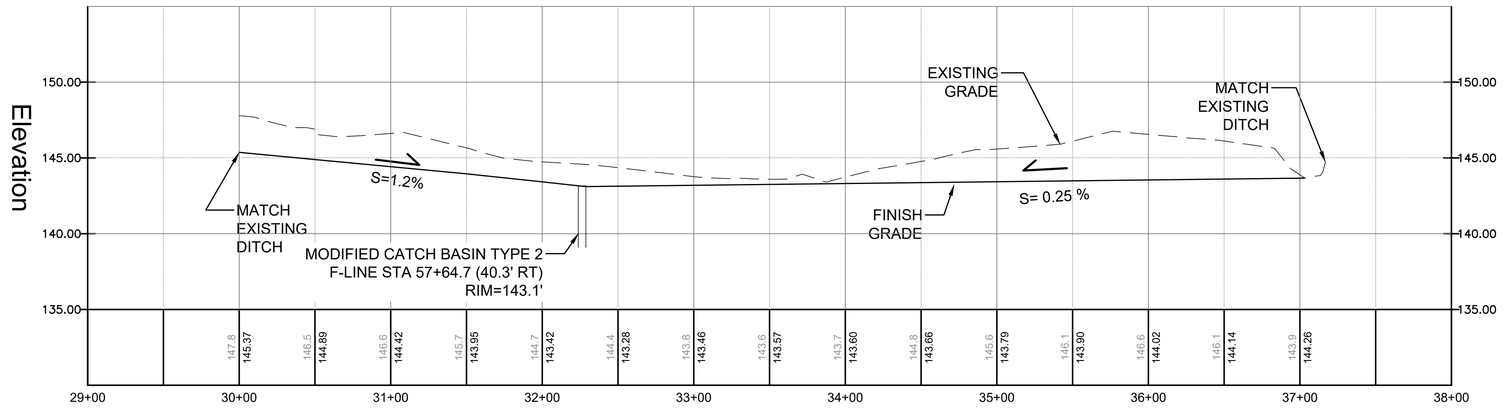
DRAINAGE & UTILITY PLAN - SOUTH

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

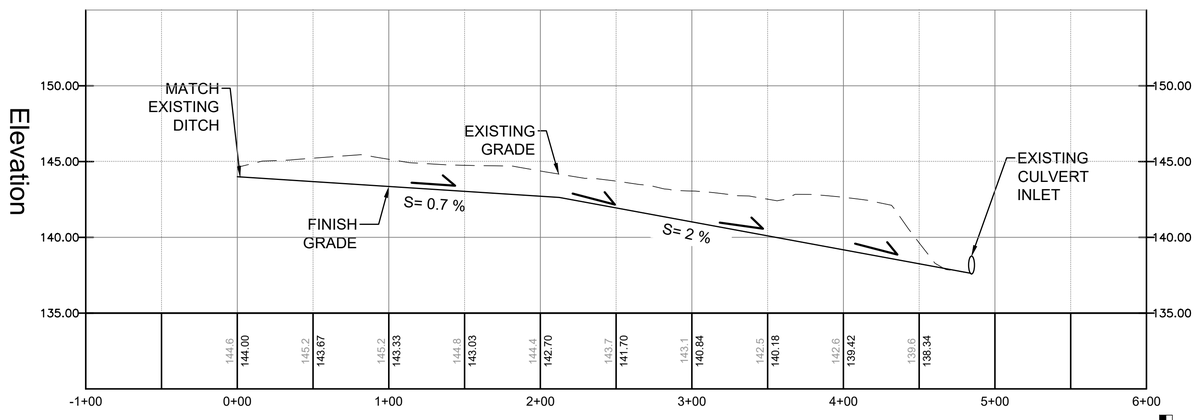
SHEET
14 OF **24**



D1 LINE PROFILE VIEW



D2 LINE PROFILE VIEW



D3 LINE PROFILE VIEW

DATUM

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50 0 50 100

SCALE OF FEET

HORIZ SCALE: 1"=50'

VERT SCALE: 1"=5'

CENTURY WEST ENGINEERING

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SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

DESIGN ENGINEER

RICHARD GLENN HOUNIARD STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4

N/A

DESIGNED BY: EN/KH

DRAWN BY: EN/KH

CHECKED BY: RW

APPROVED BY:

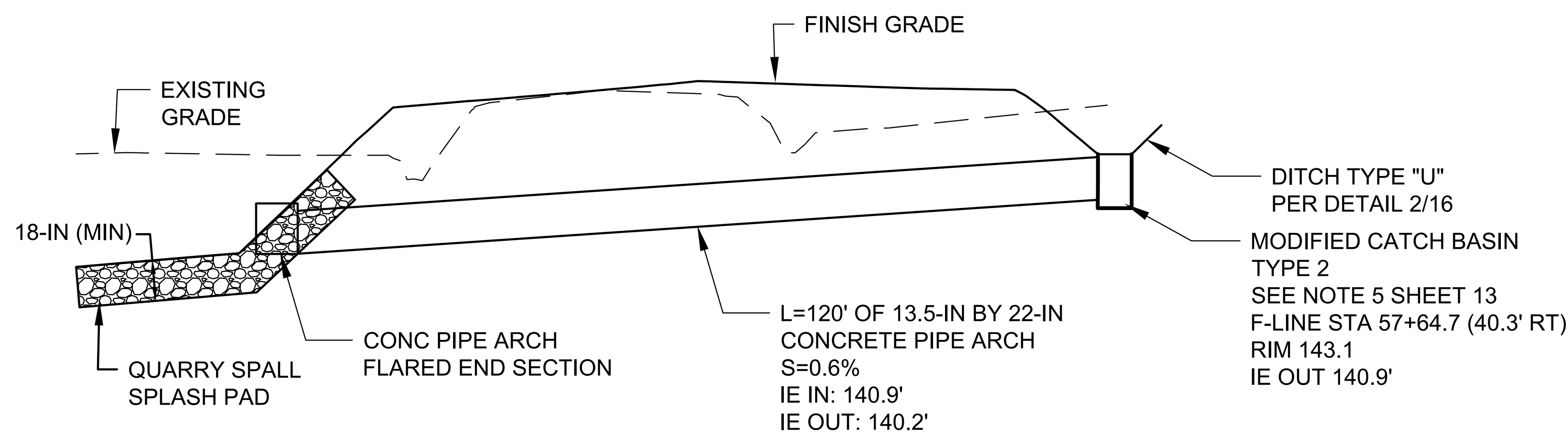
PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

DRAINAGE PROFILES

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

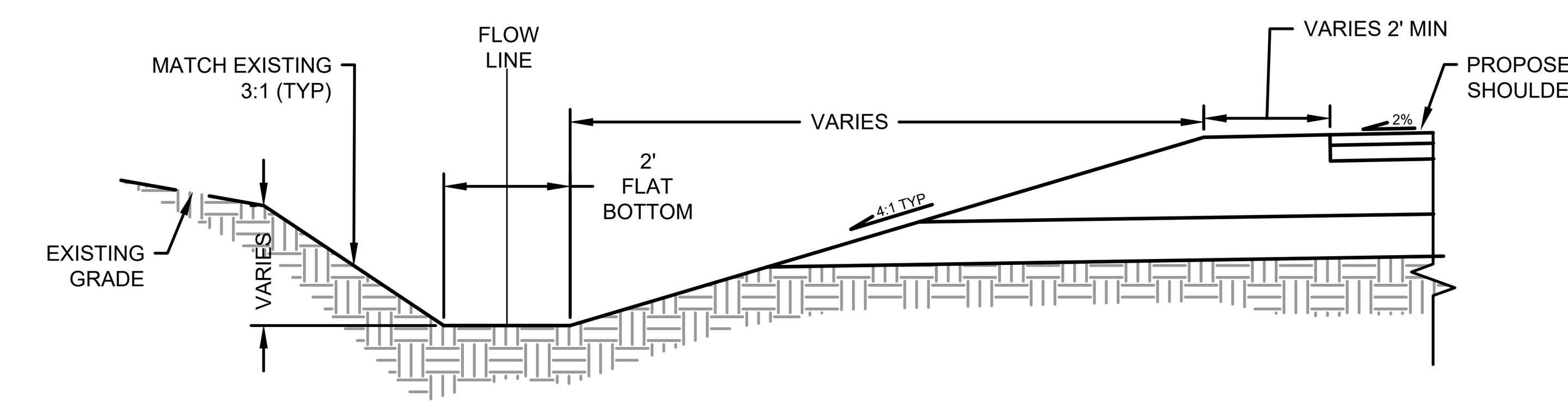
SHEET
15 OF **24**



PIPE ARCH CULVERT PROFILE

SCALE: 1" = 20'

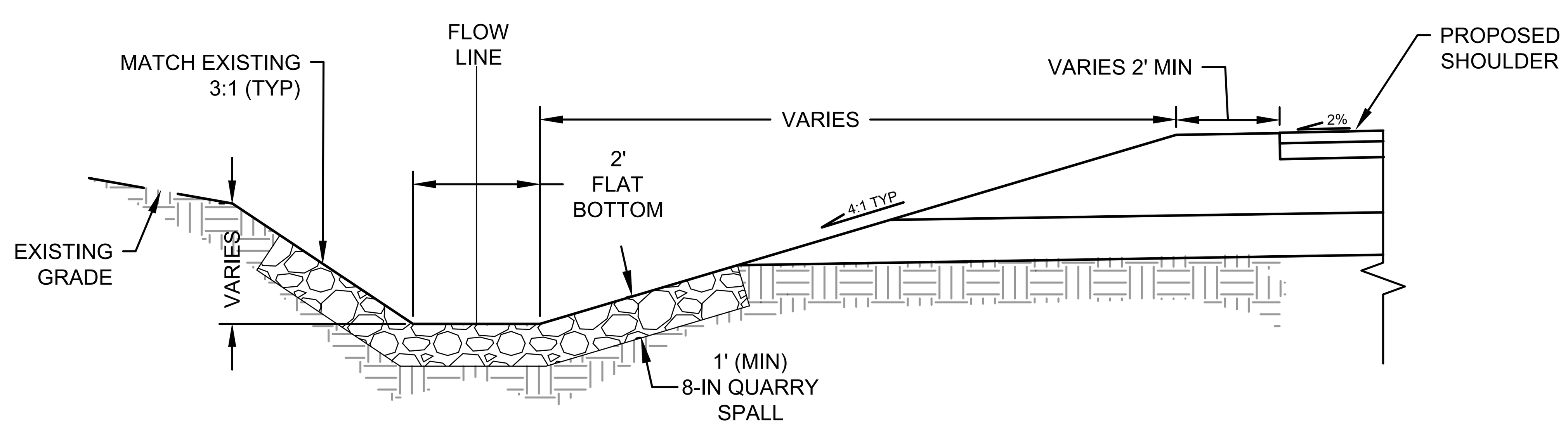
1 / 16



DITCH SECTION TYPE "U"

SCALE: N.T.S.

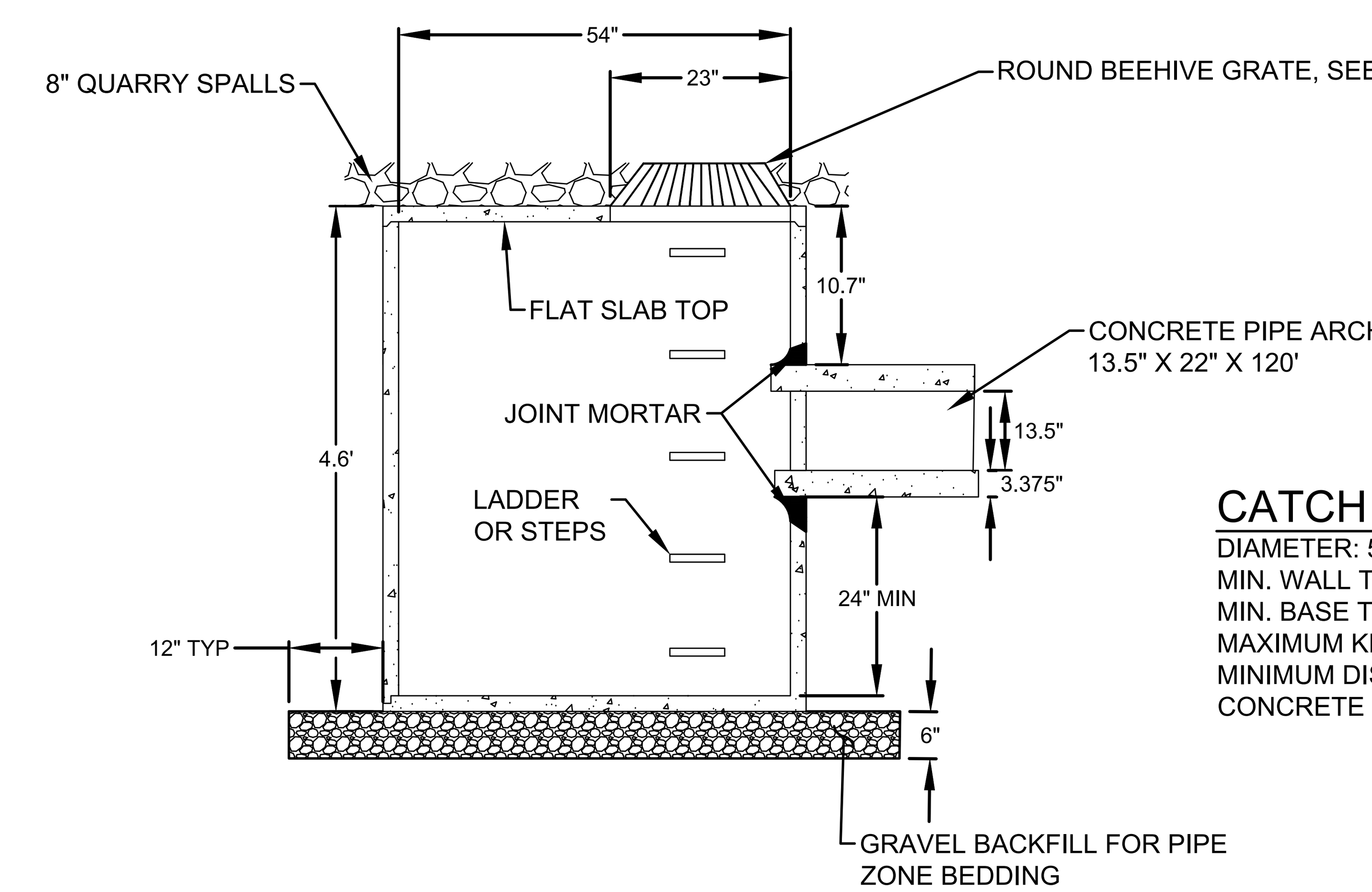
2 / 16



DITCH SECTION TYPE "U" WITH QUARRY SPALL

SCALE: N.T.S.

3 / 16



CATCH BASIN DIMENSIONS

DIAMETER: 54"
MIN. WALL THICKNESS: 4.5"
MIN. BASE THICKNESS: 8"
MAXIMUM KNOCKOUT SIZE: 42"
MINIMUM DISTANCE BETWEEN KNOCKOUTS: 8"
CONCRETE PIPE ALLOWANCE: 30" MAX INSIDE DIAMETER

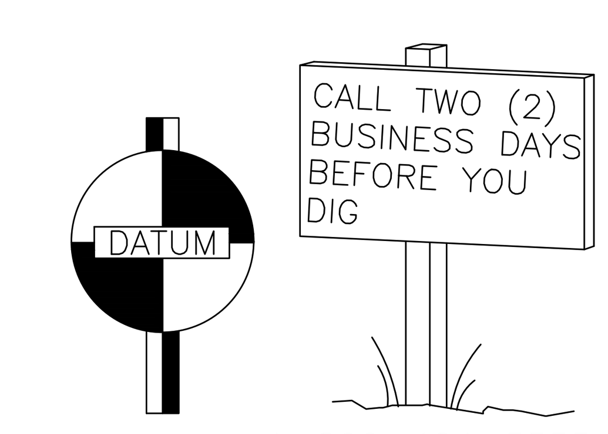
MODIFIED CATCH BASIN TYPE 2

SCALE: N.T.S.

4 / 16

NOTES:

1. GRATE TO BE NEENAH FOUNDRY ROUND BEEHIVE GRATE, CATALOG NUMBER R-4340-A OR APPROVED EQUAL.
2. 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.



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MOUNT VERNON, WA 98273-5625
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NO.	REVISIONS	DATE

DESIGN ENGINEER

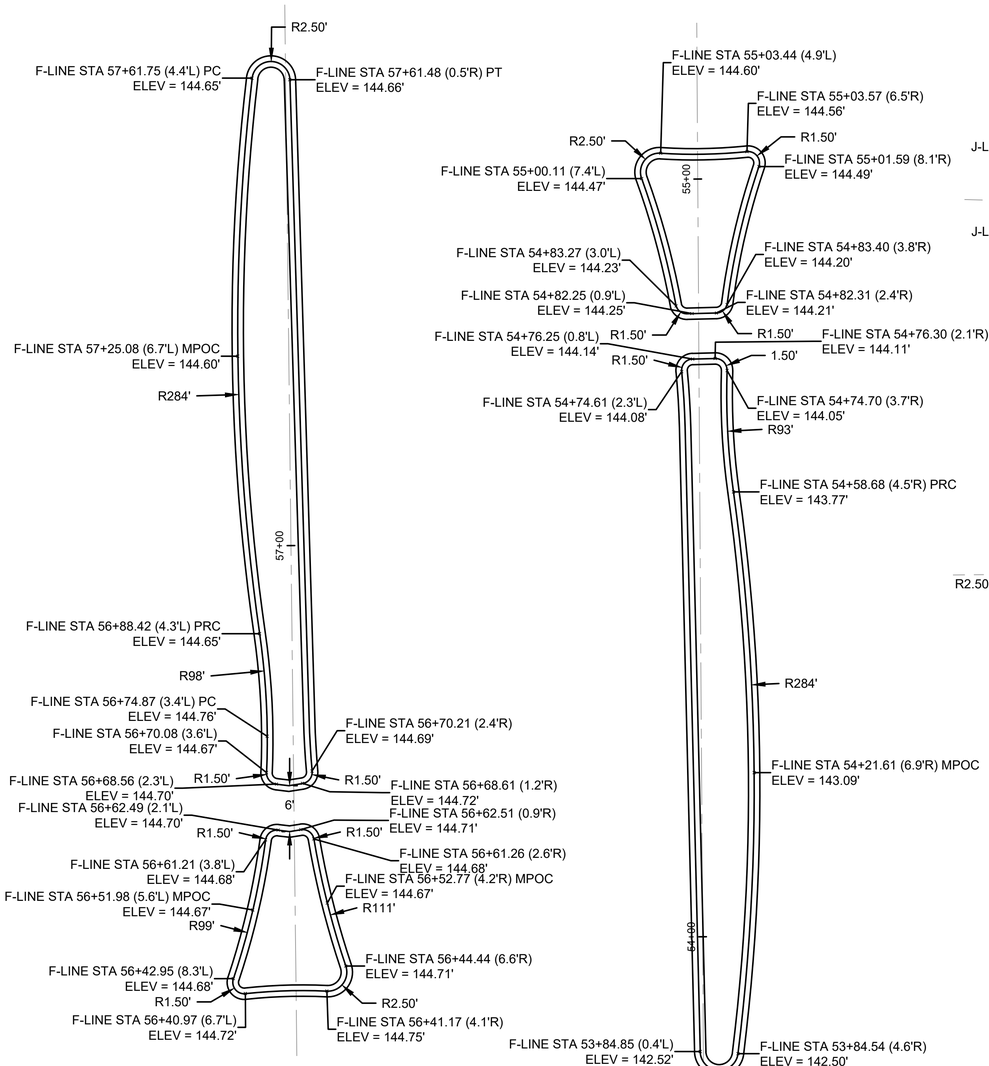
FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

PROJECT NO.: ES 31010-4
N/A
DESIGNED BY: EN/KH | DRAWN BY: EN/KH
CHECKED BY: RLW | APPROVED BY:
PROJECT LOCATED NEAR: BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

DRAINAGE & UTILITY DETAILS

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET 16 OF 24

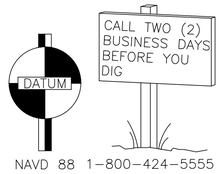


ABBREVIATIONS

AP	ANGLE POINT
PC	POINT OF CURVATURE
PT	POINT OF TANGENCY
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
POC	POINT ON CURVE
POT	POINT ON TANGENT
MPOC	MID-POINT ON CURVE

NOTES

1. CURB OFFSETS AND RADIUS VALUES ARE TO FACE OF CURB.
2. ALL SPLITTER ISLAND CURBS SHALL BE CURB 2 PER WSDOT STANDARD PLAN F-10.18.



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PUBLIC WORKS
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MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

DESIGN ENGINEER

RICHARD GLENN NEWTON STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

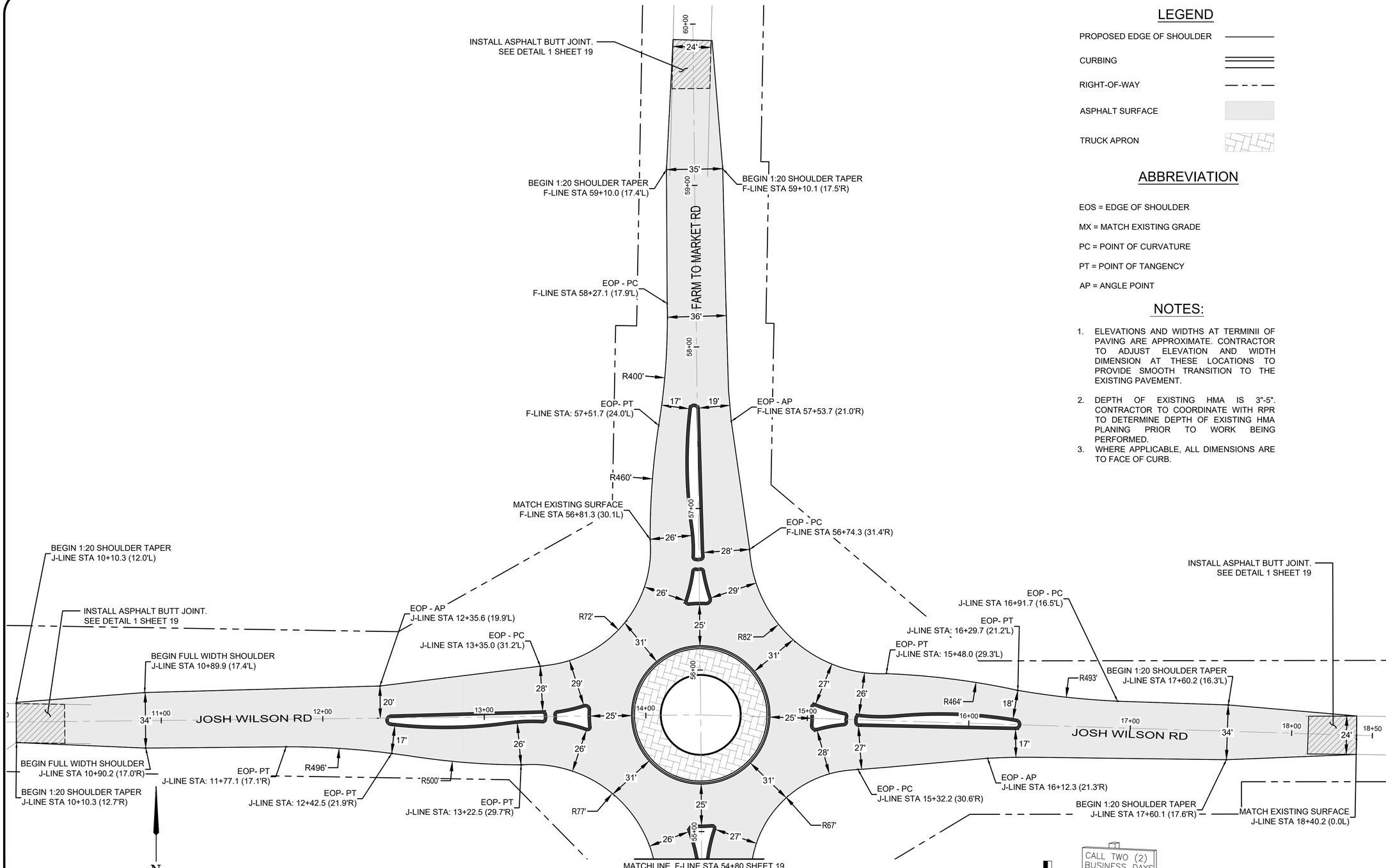
PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,833, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

SPLITTER ISLAND DETAILS

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
17 OF **24**



LEGEND

PROPOSED EDGE OF SHOULDER

CURBING

RIGHT-OF-WAY

ASPHALT SURFACE

TRUCK APRON

ABBREVIATION

EOS = EDGE OF SHOULDER

MX = MATCH EXISTING GRADE

PC = POINT OF CURVATURE

PT = POINT OF TANGENCY

AP = ANGLE POINT

NOTES:

1. ELEVATIONS AND WIDTHS AT TERMINII OF PAVING ARE APPROXIMATE. CONTRACTOR TO ADJUST ELEVATION AND WIDTH DIMENSION AT THESE LOCATIONS TO PROVIDE SMOOTH TRANSITION TO THE EXISTING PAVEMENT.
2. DEPTH OF EXISTING HMA IS 3"-5". CONTRACTOR TO COORDINATE WITH RPR TO DETERMINE DEPTH OF EXISTING HMA PLANING PRIOR TO WORK BEING PERFORMED.
3. WHERE APPLICABLE, ALL DIMENSIONS ARE TO FACE OF CURB.

DATUM

NAVD 88

CALL TWO (2) BUSINESS DAYS BEFORE YOU DIG

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CENTURY WEST ENGINEERING

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33308 13TH PLACE S., SUITE 2
FEDERAL WAY, WA 98003
253.838.2507 OFFICE
253.874.0463 FAX

SKAGIT COUNTY
PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

DESIGN ENGINEER

RICHARD GLENN HOUNIARD — STATE OF WASHINGTON — PROFESSIONAL ENGINEER

NO.	REVISIONS	DATE

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

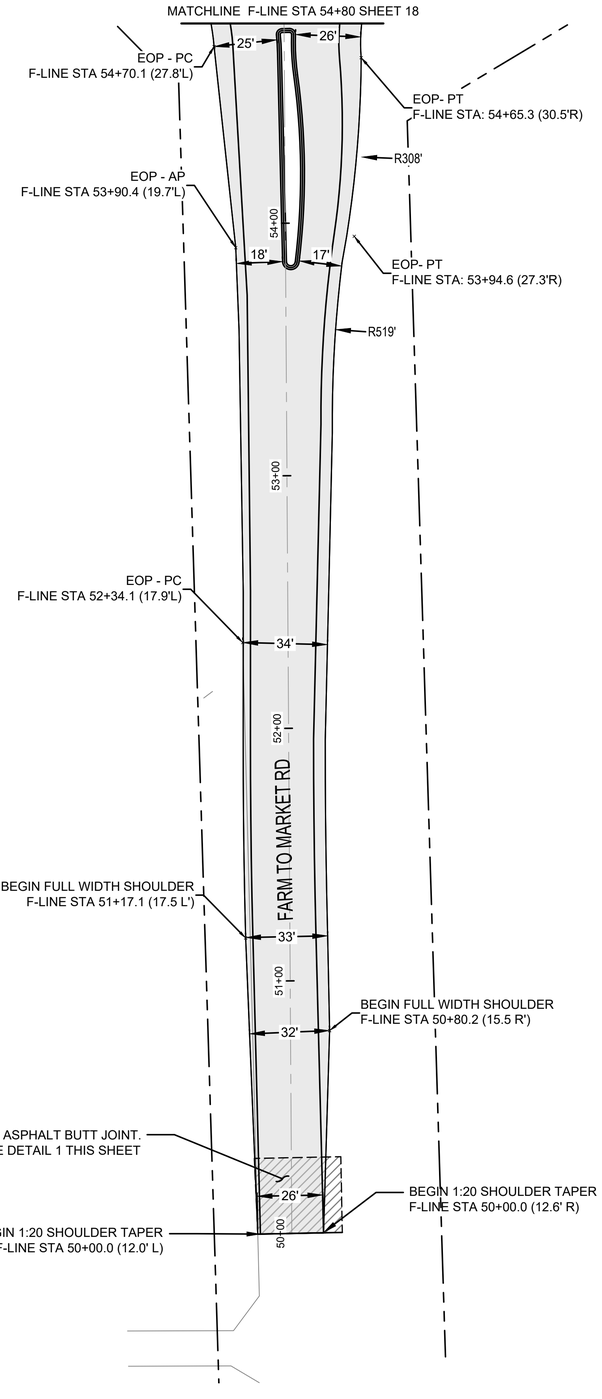
PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

PAVING PLAN - NORTH

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
18 OF **24**



LEGEND

PROPOSED EDGE OF SHOULDER

CURBING

RIGHT-OF-WAY

ASPHALT SURFACE

ABBREVIATION KEY

EOS = EDGE OF SHOULDER

MX = MATCH EXISTING GRADE

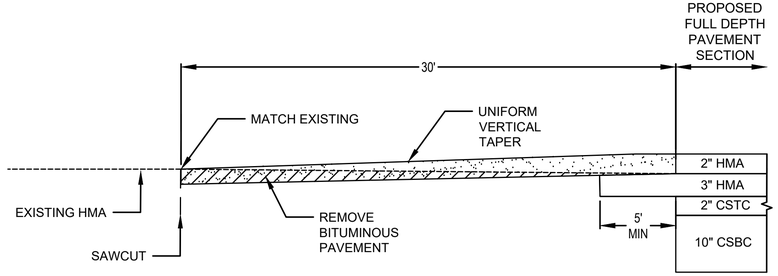
PC = POINT OF CURVATURE

PT = POINT OF TANGENCY

AP = ANGLE POINT

NOTES:

1. ELEVATIONS AND WIDTHS AT TERMINII OF PAVING ARE APPROXIMATE. CONTRACTOR TO ADJUST ELEVATION AND WIDTH DIMENSION AT THESE LOCATIONS TO PROVIDE SMOOTH TRANSITION TO THE EXISTING PAVEMENT.
2. DEPTH OF EXISTING HMA IS 3"-5". CONTRACTOR TO COORDINATE WITH ENGINEER TO DETERMINE DEPTH OF EXISTING HMA PLANING PRIOR TO WORK BEING PERFORMED.
3. WHERE APPLICABLE, ALL DIMENSIONS ARE TO FACE OF CURB.



BUTT JOINT (TYP) — N.T.S. — 1/19

N

30 0 30 60

SCALE OF FEET
SCALE: 1"=30'

DATUM

NAVD 88

1-800-424-5555

CENTURY WEST ENGINEERING

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APPROVED BY:

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

PAVING PLAN - SOUTH

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
19 OF **24**

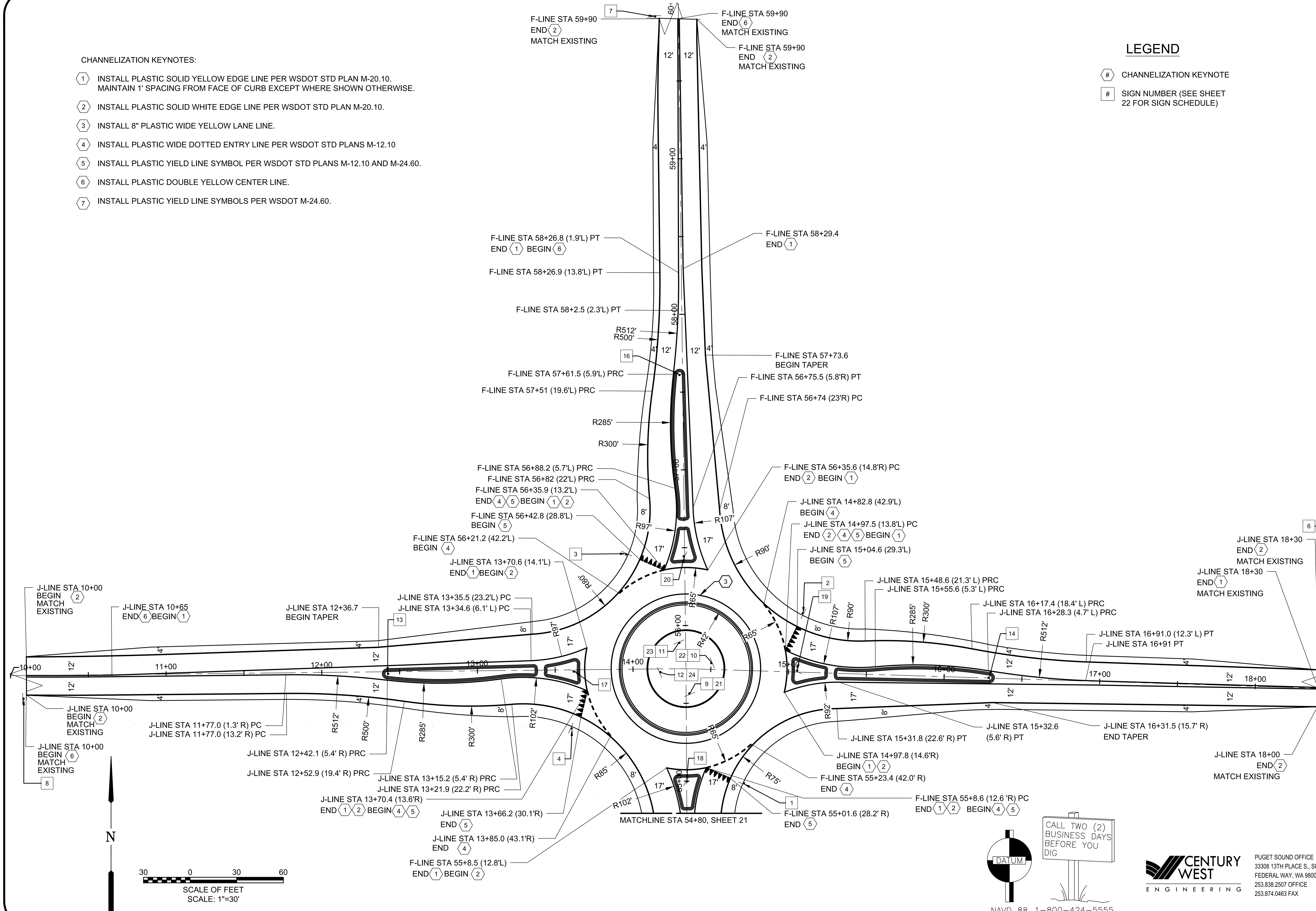
CHANNELIZATION KEYNOTES:

1. INSTALL PLASTIC SOLID YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10. MAINTAIN 1' SPACING FROM FACE OF CURB EXCEPT WHERE SHOWN OTHERWISE.
2. INSTALL PLASTIC SOLID WHITE EDGE LINE PER WSDOT STD PLAN M-20.10.
3. INSTALL 8" PLASTIC WIDE YELLOW LANE LINE.
4. INSTALL PLASTIC WIDE DOTTED ENTRY LINE PER WSDOT STD PLANS M-12.10
5. INSTALL PLASTIC YIELD LINE SYMBOL PER WSDOT STD PLANS M-12.10 AND M-24.60.
6. INSTALL PLASTIC DOUBLE YELLOW CENTER LINE.
7. INSTALL PLASTIC YIELD LINE SYMBOLS PER WSDOT M-24.60.

LEGEND

(#) CHANNELIZATION KEYNOTE

[#] SIGN NUMBER (SEE SHEET 22 FOR SIGN SCHEDULE)



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DESIGN ENGINEER: GLENN RICHARD CHOUINARD, STATE OF WASHINGTON, REGISTERED PROFESSIONAL ENGINEER

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DESIGNED BY: EN/KH
DRAWN BY: EN/KH
CHECKED BY: RLW
APPROVED BY:

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

PROJECT LOCATED NEAR: BURLINGTON, WA
SECTIONS 28,29,32,33, T 35 N, R 03 E

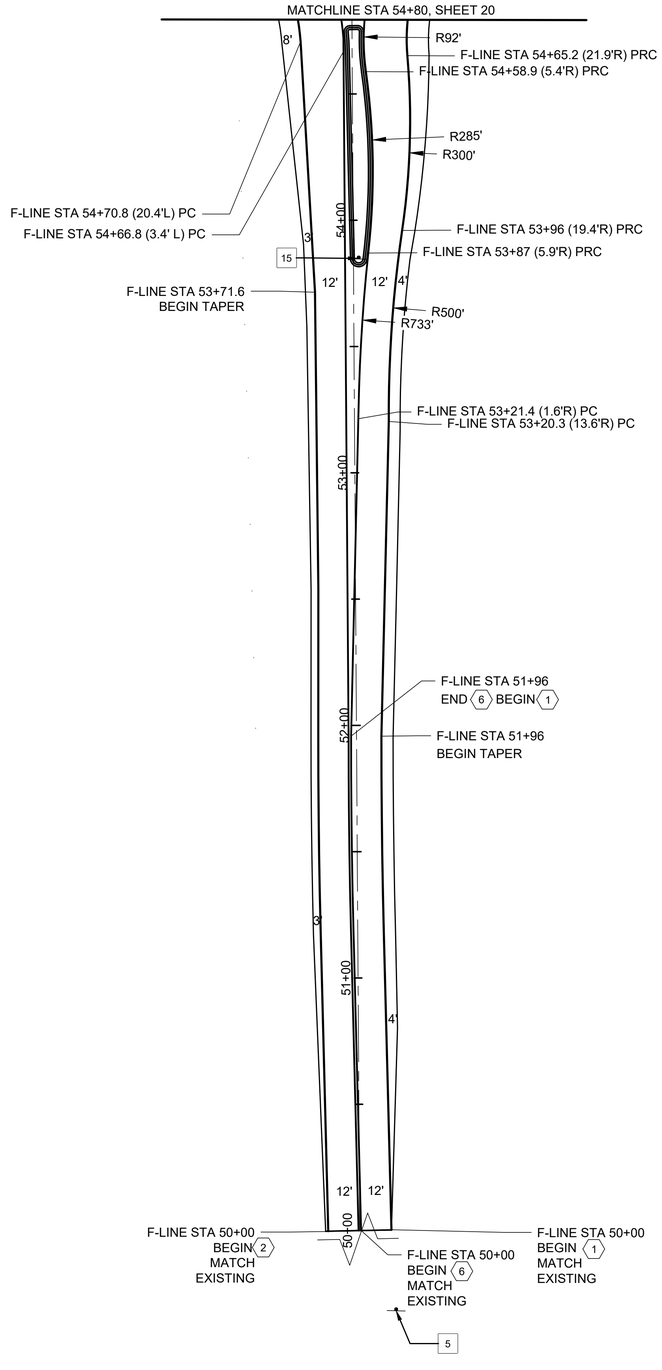
CHANNELIZATION & SIGNAGE - NORTH

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET 20 OF 24

CHANNELIZATION KEYNOTES:

1. INSTALL PLASTIC SOLID YELLOW EDGE LINE PER WSDOT STD PLAN M-20.10. MAINTAIN 1' SPACING FROM FACE OF CURB EXCEPT WHERE SHOWN OTHERWISE.
2. INSTALL PLASTIC SOLID WHITE EDGE LINE PER WSDOT STD PLAN M-20.10.
3. INSTALL 8" PLASTIC WIDE YELLOW LANE LINE.
4. INSTALL PLASTIC WIDE DOTTED ENTRY LINE PER WSDOT STD PLANS M-12.10
5. INSTALL PLASTIC YIELD LINE SYMBOL PER WSDOT STD PLANS M-12.10 AND M-24.60.
6. INSTALL PLASTIC DOUBLE YELLOW CENTER LINE.



LEGEND

- (#) CHANNELIZATION KEYNOTE
- [#] SIGN NUMBER (SEE SHEET 22 FOR SIGN SCHEDULE)

N

30 0 30 60
SCALE OF FEET
SCALE: 1"=30'

DATUM
NAVD 88

1-800-424-5555

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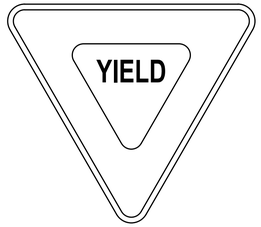
FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

CHANNELIZATION & SIGNAGE - SOUTH

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

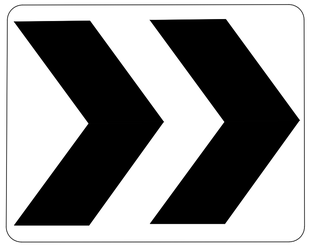
SHEET
21 OF 24



R1-2

R4-7

R6-1R



R6-4

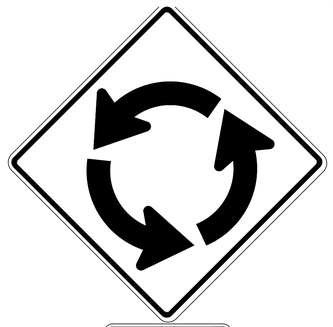
Farm To Market Rd

W16-8P (MOD 1)
BLACK ON YELLOW

OR

Josh Wilson Rd

W16-8P (MOD 2)
BLACK ON YELLOW



W2-6

W13-1P

Josh Wilson Rd

D3-102 (MOD.)

Farm to Market Rd

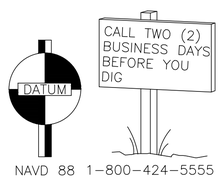
D3-102 (MOD.)

SIGN SCHEDULE

SIGN NO. #	ALIGNMENT	STA/OFFSET	SIGN CODE	SIGN SIZE	DESCRIPTION	REMARKS	POST TYPE, LENGTH
1	F-LINE	54+98.3, 37.2'R	R1-2	36" x 36"	YIELD SIGN		TIMBER, 13' SEE NOTE 3
2	J-LINE	14+85.2, 37.2'L	R1-2	36" x 36"	YIELD		TIMBER, 13' SEE NOTE 3
3	F-LINE	56+46.5, 37.1'L	R1-2	36" x 36"	YIELD		TIMBER, 13' SEE NOTE 3
4	J-LINE	13+36.6, 37.6'R	R1-2	36" x 36"	YIELD		TIMBER, 13' SEE NOTE 3
5	F-LINE	47+08.62, 18'R	W16-8P (MOD 2), W2-6, W13-1P	24"X12", 48"X48", 18"X18"	ROUNDABOUT WARNING SIGN		TIMBER, 16.5' SEE NOTE 3
6	J-LINE	22+74.5, 18'L	W16-8P (MOD 1), W2-6, W13-1P	24"X12", 36X36", 18"X18"	ROUNDABOUT WARNING SIGN		TIMBER, 16.5' SEE NOTE 3
7	F-LINE	64+35.9, 18'L	W16-8P (MOD 2), W2-6, W13-1P	24"X12", 36"X36", 18"X18"	ROUNDABOUT WARNING SIGN		TIMBER, 16.5' SEE NOTE 3
8	J-LINE	5+47.3, 18'R	W16-8P (MOD 1), W2-6, W13-1P	24"X12", 36"X36", 18"X18"	ROUNDABOUT WARNING SIGN		TIMBER, 16.5' SEE NOTE 3
9	F-LINE	55+56, 2.4'R	R6-4	30" X 24"	CHEVRON	MOUNT SIGN DIRECTLY UNDERNEATH SIGN 21, SAME POLE	SEE SIGN 21
10	J-LINE	14+27.6, 3.7'L	R6-4	30" X 24"	CHEVRON	MOUNT SIGN DIRECTLY UNDERNEATH SIGN 22, SAME POLE	SEE SIGN 22
11	F-LINE	55+89.3, 4.1'L	R6-4	30" X 24"	CHEVRON	MOUNT SIGN DIRECTLY UNDERNEATH SIGN 23, SAME POLE	SEE SIGN 23
12	J-LINE	13+94.2, 2.6'R	R6-4	30" X 24"	CHEVRON	MOUNT SIGN DIRECTLY UNDERNEATH SIGN 24, SAME POLE	SEE SIGN 24
13	J-LINE	12+19.2, 0.8'R	R4-7	24"X30"	KEEP RIGHT		STEEL, 12.5' SEE NOTE 2
14	J-LINE	16+06, 0.2'R	R4-7	24"X30"	KEEP RIGHT		STEEL, 12.5' SEE NOTE 2
15	J-LINE	53+84.9, 3.4'R	R4-7	24"X30"	KEEP RIGHT		STEEL, 12.5' SEE NOTE 2
16	F-LINE	57+61.4, 1.5'L	R4-7	24"X30"	KEEP RIGHT		STEEL, 12.5' SEE NOTE 2
17	J-LINE	13+39.0, 0.8'R	D3-102 (MOD)		JOSH WILSON RD		STEEL, 11' SEE NOTE 2
18	F-LINE	55+00, 0.5'R	D3-102 (MOD)		FARM TO MARKET RD		STEEL, 11' SEE NOTE 2
19	J-LINE	14+82.3, 0.2'L	D3-102 (MOD)		JOSH WILSON RD		STEEL, 11' SEE NOTE 2
20	F-LINE	56+44.3, 0'R	D3-102 (MOD)		FARM TO MARKET RD		STEEL, 11' SEE NOTE 2
21	F-LINE	55+56, 2.4'R	R6-1R	8"X24"	ONE WAY		TIMBER, 14' SEE NOTE 3
22	J-LINE	14+27.6, 3.7'L	R6-1R	8"X24"	ONE WAY		TIMBER, 14' SEE NOTE 3
23	F-LINE	55+89.3, 4.1'L	R6-1R	8"X24"	ONE WAY		TIMBER, 14' SEE NOTE 3
24	J-LINE	13+94.2, 2.6'R	R6-1R	8"X24"	ONE WAY		TIMBER, 14' SEE NOTE 3

NOTES

1. SIGNS SHALL BE INSTALLED PER WSDOT STANDARD PLAN G20.10.
2. SIGN POSTS INSTALLED IN CONCRETE SHALL BE TYPE ST-4 PER WSDOT STANDARD PLAN G24.50. SLIP BASE SHALL BE TRAFFIC SAFETY SUPPLY COMPANY UNIBASE SLIPBASE ASSEMBLY PART NUMBER 21500.
3. SIGN POSTS INSTALLED IN NON-PAVED AREAS SHALL BE 4"X4" TIMBER POSTS PER WSDOT STANDARD PLAN G-22.10.



CENTURY WEST ENGINEERING

PUGET SOUND OFFICE
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SKAGIT COUNTY PUBLIC WORKS
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273-5625
(360) 416-1400 FAX (360) 416-1405

NO.	REVISIONS	DATE

DESIGN ENGINEER

PROJECT NO.: ES 31010-4
FED. AID NO.: N/A
DESIGNED BY: EN/KH
CHECKED BY: RLW
DRAWN BY: EN/KH
APPROVED BY:

PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,833, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

SIGNAGE DETAILS

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
22 OF 24

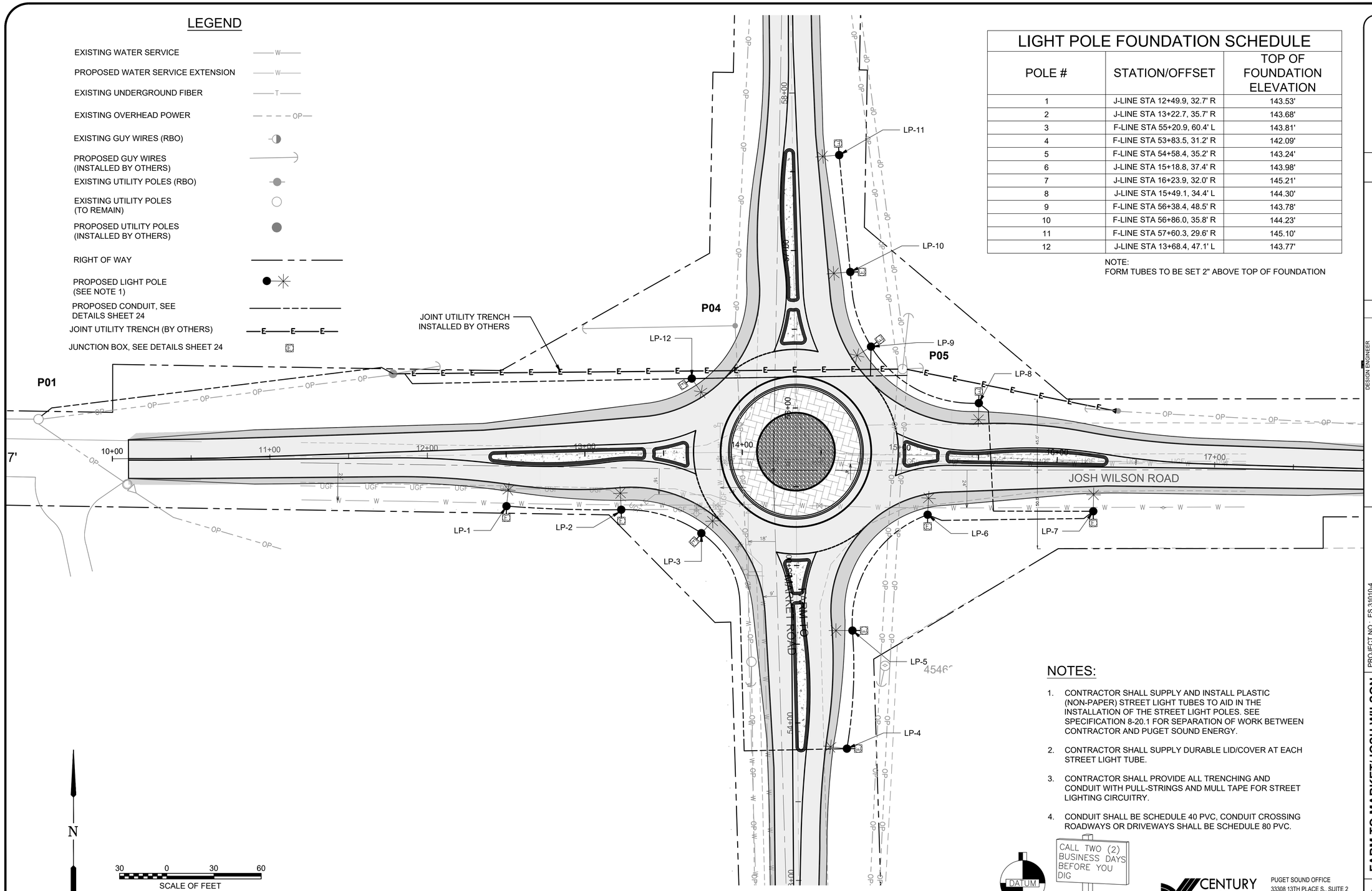
LEGEND

- EXISTING WATER SERVICE — W —
- PROPOSED WATER SERVICE EXTENSION — W —
- EXISTING UNDERGROUND FIBER — T —
- EXISTING OVERHEAD POWER — OP —
- EXISTING GUY WIRES (RBO)
- PROPOSED GUY WIRES (INSTALLED BY OTHERS)
- EXISTING UTILITY POLES (RBO)
- EXISTING UTILITY POLES (TO REMAIN)
- PROPOSED UTILITY POLES (INSTALLED BY OTHERS)
- RIGHT OF WAY
- PROPOSED LIGHT POLE (SEE NOTE 1)
- PROPOSED CONDUIT, SEE DETAILS SHEET 24
- JOINT UTILITY TRENCH (BY OTHERS) — E — E — E —
- JUNCTION BOX, SEE DETAILS SHEET 24

LIGHT POLE FOUNDATION SCHEDULE

POLE #	STATION/OFFSET	TOP OF FOUNDATION ELEVATION
1	J-LINE STA 12+49.9, 32.7' R	143.53'
2	J-LINE STA 13+22.7, 35.7' R	143.68'
3	F-LINE STA 55+20.9, 60.4' L	143.81'
4	F-LINE STA 53+83.5, 31.2' R	142.09'
5	F-LINE STA 54+58.4, 35.2' R	143.24'
6	J-LINE STA 15+18.8, 37.4' R	143.98'
7	J-LINE STA 16+23.9, 32.0' R	145.21'
8	J-LINE STA 15+49.1, 34.4' L	144.30'
9	F-LINE STA 56+38.4, 48.5' R	143.78'
10	F-LINE STA 56+86.0, 35.8' R	144.23'
11	F-LINE STA 57+60.3, 29.6' R	145.10'
12	J-LINE STA 13+68.4, 47.1' L	143.77'

NOTE:
FORM TUBES TO BE SET 2" ABOVE TOP OF FOUNDATION



NOTES:

1. CONTRACTOR SHALL SUPPLY AND INSTALL PLASTIC (NON-PAPER) STREET LIGHT TUBES TO AID IN THE INSTALLATION OF THE STREET LIGHT POLES. SEE SPECIFICATION 8-20.1 FOR SEPARATION OF WORK BETWEEN CONTRACTOR AND PUGET SOUND ENERGY.
2. CONTRACTOR SHALL SUPPLY DURABLE LID/COVER AT EACH STREET LIGHT TUBE.
3. CONTRACTOR SHALL PROVIDE ALL TRENCHING AND CONDUIT WITH PULL-STRINGS AND MULL TAPE FOR STREET LIGHTING CIRCUITRY.
4. CONDUIT SHALL BE SCHEDULE 40 PVC, CONDUIT CROSSING ROADWAYS OR DRIVEWAYS SHALL BE SCHEDULE 80 PVC.

N

30 0 30 60
SCALE OF FEET
SCALE: 1"=30'

DATUM
NAVD 88

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

CENTURY WEST ENGINEERING

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DESIGN ENGINEER
RICHARD CHOUINARD
STATE OF WASHINGTON
GLENN ENGINEER
REGISTERED PROFESSIONAL

NO.	REVISIONS	DATE

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FED. AID NO.: N/A
DESIGNED BY: RD
DRAWN BY: EKN
CHECKED BY: RLW
APPROVED BY:

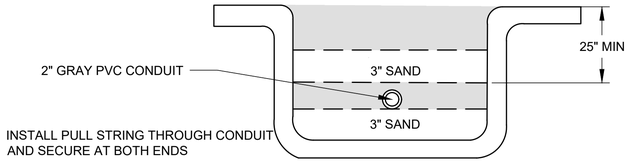
PROJECT LOCATED NEAR:
BURLINGTON, WA
SECTION 28,29, 32,&33, T 35 N, R 03 E

FARM TO MARKET/JOSH WILSON INTERSECTION IMPROVEMENTS

ILLUMINATION PLAN

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
23 OF **24**



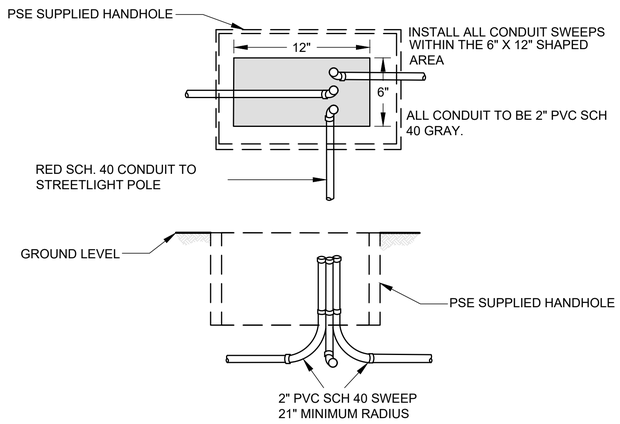
TRENCH FOR STREETLIGHT CIRCUIT

SCALE: NTS

1/24

NOTE:

1. CONDUIT SHALL BE SCHEDULE 40 PVC, CONDUIT CROSSING ROADWAYS OR DRIVEWAYS SHALL BE SCHEDULE 80 PVC.



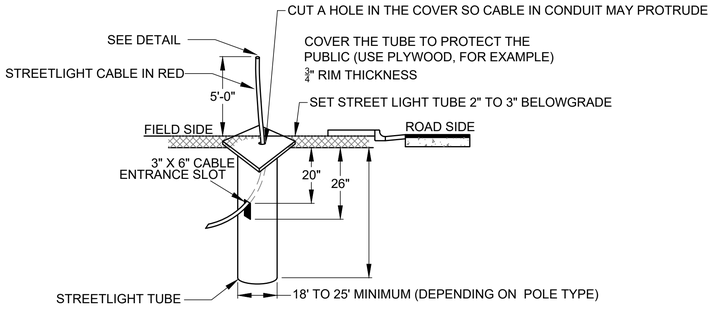
JUNCTION BOX DIAGRAM

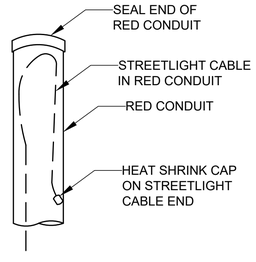
SCALE: NTS

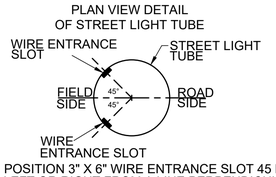
2/24

NOTE:

1. JUNCTION BOX TO BE SUPPLIED BY PUGET SOUND ENERGY.







POSITION 3" X 6" WIRE ENTRANCE SLOT 45 DEGREES LEFT OR RIGHT FROM A LINE PERPENDICULAR TO ROADWAY THROUGH CENTER OF TUBE.

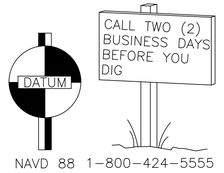
STREETLIGHT TUBE INSTALLATION

SCALE: NTS

3/24

DATUM

NAVD 88



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ILLUMINATION DETAILS

1 INCH SCALE BAR
ADJUST SCALE ACCORDINGLY

SHEET
24 OF **24**