CITY OF BELLEVUE

TRANSPORTATION DEPARTMENT

450 110th AVENUE N.E.
P.O. BOX 90012
BELLEVUE, WASHINGTON 98009-9012

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

APPROVED FOR CONSTRUCTION

Digitally signed by Potuzak, Kyle
Date: 2026.04.21 08:25:51-07'00'

TRANSPORTATION DESIGN MANAGER DATE

Digitally signed by Chi, Karen
Date: 2026.04.21 08:29:18-07'00'

PROJECT MANAGER DATE

KYLE JEAN POTUZAK
STATE OF WASHINGTON
17719
REGISTERED
PROFESSIONAL ENGINEER
4/21/26

BID NUMBER: 26012

C.I.P. NUMBER: G-103

FEDERAL AID NUMBER: STPUL-0075(031)

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OFFICIALS OF THE CITY OF BELLEVUE

MAYOR

MO MALAKOUTIAN

DEPUTY MAYOR

DAVE HAMILTON

CITY COUNCIL

CLAIRE SUMADIWIRYA

JARED NIEUWENHUIS

LYNNE ROBINSON

NAREN BRIAR

VISHAL BHARGAVA

CITY MANAGER

DIANE CARLSON

DIRECTOR OF TRANSPORTATION

ANDREW SINGELAKIS

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Table of Contents

NOTICES N

I: Bidder's Responsibility N-1
II: Advertisement for Bids N-2
III: Instructions to Bidders N-5

FORMS AND CERTIFICATES F

I: Noncollusion Certificate F-1
II: Bidder's Qualification Certificate F-3
III: Subcontractor List F-6
IV: Bidder Questionnaire F-8
V: Bidder's Affidavit of Equal Opportunity Compliance F-10
VI: Bidder's Affidavit of Title VI Compliance F-14
VII: Wage Payment Compliance Certification F-17
VIII: Bid Bond Form F-18
IX: Proposal/Construction Contract F-19
X: Lobbying Certification F-28
XI: Proposal for Incorporating Recycled Materials into the Project F-29
XII: Performance Bond F-30
XIII: Payment Bond F-33
XIV: Agreement F-37

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

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SPECIAL PROVISIONS

Introduction to the Special Provisions 1

Division 1: General Requirements 2
1-01 Definitions and Terms 2
1-02 Bid Procedures and Conditions 4
1-03 Award and Execution of Contract 9
1-04 Scope of the Work 11
1-05 Control of Work 12
1-06 Control of Material 21
1-07 Legal Relations and Responsibilities to the Public 26
1-08 Prosecution and Progress 50
1-09 Measurement and Payment 55
1-10 Temporary Traffic Control 57

Division 2: Earthwork 63
2-01 Clearing, Grubbing and Roadside Cleanup 63
2-02 Removal of Structures and Obstructions 64
2-03 Roadway Excavation and Embankment 64
2-06 Subgrade Preparation 65
2-09 Structure Excavation 66

Division 4: Bases 67
4-04 Ballast and Crushed Surfacing 67

Division 5: Surface Treatments and Pavements 68
5-04 Hot Mix Asphalt 68

Division 6: Structures 80
6-02 Concrete Stuctures 80
6-11 Reinforced Concrete Walls 81
6-14 Geosynthetic Retaining Walls 82
6-18 Shotcrete 83

Division 7: Drainage Structures, Storm Sewers, Sanitary Sewers, Water Mains and Conduit 85
7-01 Drains 85
7-02 Culvert Pipe 86
7-04 Storm Sewers 86
7-05 Manholes, Inlets, Catch Basins, and Drywells 87
7-08 General Pipe Installation Requirements 88

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Division 8: Miscellaneous Construction.....89
8-01 Erosion Control and Water Pollution Control.....89
8-02 Roadside Restoration.....93
8-03 Irrigation System.....100
8-12 Chain Link Fence and Wire Fence.....102
8-14 Cement Concrete Sidewalks.....103
8-20 Illumination, Traffic Signal Systems, and Electrical.....105
8-21 Permanent Signing.....110
8-22 Pavement Marking.....112

Appendices

APPENDIX A: Standard Details
APPENDIX B: Wage Rates
APPENDIX C: Telephone Numbers
APPENDIX D: Permits
APPENDIX E: Construction Stormwater Pollution Prevention Plan (CSWPPP)
APPENDIX F: List of Law Enforcement Agencies with Authorized Police Powers
APPENDIX G: Utilities Department Record Drawings
APPENDIX H: Geotechnical Report
APPENDIX I: Property Commitments

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NOTICES

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I: BIDDER'S RESPONSIBILITY

It is the responsibility of each bidder to ascertain if all the documents listed in the table of contents are included in their copy of the bid specifications.

If the documents are missing, it is the sole responsibility of the bidder to contact the city to obtain the missing documents prior to bid opening time.

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II: ADVERTISEMENT FOR BIDS

Notice is hereby given that the sealed bids will be received by the City of Bellevue, Washington, for:

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

by filing in the locked drop box outside of the doors on the first floor of **City Hall, 450 110th Avenue NE**, until 10:00 a.m., the 21st day of May, 2026. Bids will only be opened at a teleconference on the date and hour stated below, at which time such bids will be opened, publicly read and tabulated for submission to the City Council at a future council meeting. Bidders must clearly mark the project name and bid number on the outside of the envelope.

This contract is funded in part by the Federal Highway Administration (FHWA) and is required to meet the contract provisions for Federal Aid Construction Contracts, including Build America Buy America requirements.

A Federal Small Business Enterprise (FSBE) Goal of **10%** has been established for this contract. Failure to comply with the requirements of this Specification may result in sanctions as provided by the Contract in accordance with Section 1-07.11 of the Special Provisions.

Bidders are made aware of the requirement to include a Bidder Questionnaire (WSDOT Form 272-022) in accordance with Section 1-02.6 of the Special Provisions. Bids that fail to include this form at the time of bid submission, or include it with incomplete, invalid, or missing information, will be deemed nonresponsive and rejected in accordance with Section 1-02.13 of the Special Provisions.

Refer to Section 1-02.4(1) of the Special Provisions for the deadline to request in writing any clarifications or interpretations of the Bid Documents.

All inquiries, requests for interpretation, or requests for clarification pertaining to the Bid Documents shall be submitted via email to the following designated individual:

Primary Contact: Karen Chi, Senior Project Manager: kchi@bellevuewa.gov

Bids received later than 10:00 a.m., May 21, 2026, will not be considered.

Bid opening via Microsoft Teams at: 11:00 a.m., May 21, 2026.

Microsoft Teams Need help?
Join the meeting now
Meeting ID: 219 374 985 496 36
Passcode: 3eq22y5b

Dial in by phone
+1 206-452-7011,,468531499# United States, Seattle
Find a local number

Phone conference ID: 468 531 499#

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(II, continued)

Work contemplated to be performed under this contract is as follows:

- Erosion Control
- Clearing, excavation and site grading
- Construct Geosynthetic wall with concrete fascia
- Construct Cast-in-Place wall and stairs
- Storm drainage improvements
- Construct HMA trail
- Sidewalk improvements
- Channelization, Signing and Lighting
- Landscape and Irrigation
- Wetland Mitigation
- Railing and fencing
- Traffic control
- Property Restoration and Miscellaneous Work

BID BOND REQUIRED: Each bid shall be accompanied by a bid bond in the form of cash, certified check, cashier's check or surety bond in an amount equal to at least 5% of the amount of such bid. Checks shall be made payable to the City Treasurer. Should the successful bidder fail to enter into a contract and furnish a satisfactory performance and payment bond within the time stated in the specifications, the bid bond shall be forfeited to the City of Bellevue.

PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE AVAILABLE ON-LINE AT BUILDERS EXCHANGE AT WWW.BXWA.COM. The City utilizes Builder's Exchange of Washington to post plans, specifications, addenda, plan holders lists and bid results for all public works projects. All documents

pertaining to this project will be available at the Builder's Exchange of Washington, Inc. website at http://www.bxwa.com or at the City of Bellevue's website at https://bellevuewa.gov/city-government/departments/finance/doing-business-with-bellevue/vendor-services-purchasing-and-procurement/solicitation-for-bids-rfps-and-RFQs. Builder's Exchange will manage the official plan holders list and notification to those on the list of any and all addenda related to this project. Addenda may not be available or updated on any other website other than through the official plan holders list.

SUPPLEMENTAL RESPONSIBLE BIDDER CRITERIA will apply to this project, and are included in Section 1-02 of the Standard Specifications and Special Provisions. Any bidder determined to be not responsible based on these supplemental criteria may appeal the City's determination by providing additional information to the City at the address above within 2 business days following receipt of the City's written determination that the bidder was determined not responsible.

The City of Bellevue reserves the right to reject any and all bids and to waive irregularities and informalities in the bidding process. No bidder may withdraw their bid for a period of sixty (60) days after the date and time set for the opening thereof.

The successful bidder must comply with the City of Bellevue equal opportunity requirements. The City of Bellevue is committed to a program of equal employment opportunity regardless of race, color, creed, religion, gender, age, national origin, pregnancy, genetic information, marital status, sexual orientation (including gender identity), or the presence of any sensory, physical, or mental disability.

The City of Bellevue is also committed to complying with Title VI of the Civil Rights Act of 1964, that provides "No person in the United States shall, on the ground of race, color, or national origin, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving Federal financial assistance."

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(II, continued)

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

Published, Daily Journal of Commerce: April 23, 2026, April 30, 2026, May 7, 2026

Published, The Seattle Times: April 23, 2026, April 30, 2026, May 7, 2026

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III: INSTRUCTIONS TO BIDDERS

BIDDERS MUST BID ON ALL ITEMS CONTAINED IN THE PROPOSAL. The omission or deletion of any bid item may render the bid nonresponsive and may result in rejection of the bid.

Forms I through XIV, provided herein, must be executed by **ALL BIDDERS** prior to the submittal of the bid and, except where otherwise provided herein, be submitted with the bid.

I **NONCOLLUSION CERTIFICATE:** To be completed, signed and notarized.

II **BIDDER'S QUALIFICATION CERTIFICATE:** To be completed and signed. The City reserves the right to check all statements and to judge the adequacy of the Bidder's qualifications.

III **SUBCONTRACTOR LIST**: To be completed by all Bidders. This form is required on all projects with construction costs of one million dollars or more and the category of work includes structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, or electrical.

IV **BIDDER QUESTIONNAIRE:** To be completed and submitted with the bid in accordance with Section 1-02.6 of the Special Provisions.

V **BIDDER'S AFFIDAVIT OF EQUAL OPPORTUNITY COMPLIANCE:** To be completed and signed.

VI **BIDDER'S AFFIDAVIT OF TITLE VI COMPLIANCE:** To be completed and signed.

VII **WAGE PAYMENT COMPLIANCE CERTIFICATION:** To be completed and signed.

VIII **BID BOND FORM:** The BID BOND must be executed by the bidder and the surety company. The amount of BID BOND shall not be less than 5% of the total bid amount and may be shown in dollars or on a percentage basis.

IX **PROPOSAL/CONSTRUCTION CONTRACT:** The unit prices must be shown in the space provided. The proposal must be signed.

X **LOBBYING CERTIFICATION:** To be completed and signed.

XI **PROPOSAL FOR INCORPORATING RECYCLED MATERIALS INTO THE PROJECT:** To be completed and signed.

Forms XVI through XVIII, provided herein, to be completed by the **SUCCESSFUL** bidder.

XVI **PERFORMANCE BOND:** To be executed by the successful bidder and their surety.

XVII **PAYMENT BOND:** To be executed by the successful bidder and their surety.

XVIII **AGREEMENT:** To be signed by the successful bidder

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(III, continued)

CITY TAXATION: The Contractor awarded said contract will be subject to city of Bellevue Business Registration and Business Taxation as presented in Chapters 4.02 and 4.08 of the Bellevue City Code.

Hazardous Materials and Insurance Certificates must be provided and executed by the successful bidder.

HAZARDOUS MATERIALS: Before starting work under this contract, the successful bidder is required to supply information to the City on all chemical hazards that will be located in the workplace and thereby creating hazardous exposure to City employees.

INSURANCE CERTIFICATES AND ENDORSEMENTS: To be provided and executed by the successful bidder and their insurance company. Refer to Section 1-07.18 **Public Liability and Property Damage Insurance** herein.

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FORMS AND CERTIFICATES

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I: NONCOLLUSION CERTIFICATE

STATE OF _____)
) ss
COUNTY OF _____)

The undersigned, being duly sworn, deposes and says that the person, firm, association, co-partnership or corporation herein named, has 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 the preparation and submission of a proposal to the City of Bellevue for consideration in the award of a contract on the improvement described as follows:

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

_____ CORPORATE SEAL:
(Name of Firm)

By: _____
(Authorized Signature)
Title: _____

Sworn to before me this____day of_____, 20____.

_____
Notary Public

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(I, continued)

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.

SR

DOT Form 272-036I EF
07/2011

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II: BIDDER'S QUALIFICATION CERTIFICATE[1]

The undersigned hereby certifies and submits the following qualifications:

1. Name and Address _____
   _____
   _____

2. Type of business entity (i.e. corporation, sole proprietorship, LLC, partnership, etc).
   _____

3. Which State was the business entity formed: _____

4. State of Washington Registration (UBI) No. _____ Expires: ____/____/____
   mo day yr

5. Number of years in contracting business under present name: _____

6. City of Bellevue Business License No. _____ (required prior to start of contract)

7. Federal Tax ID #: _____

8. State of Washington Contractor's License #: _____

9. Particular types of construction work performed by Bidder:
   _____
   _____
   _____
   _____

10. List several recent construction projects performed:

Amount	Type	Owner	Name	Phone

11. Gross amount of contracts now in hand $_____

12. Bank Reference(s):

Name	Address	Account Type

[1]The City of Bellevue reserves the right to ask Bidder for additional information to verify any of the information contained in this Qualification Certificate

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(II, continued)

13. **Choose one of the following:**
    - ☐ Bidder has industrial insurance coverage for employees working in Washington as required in Title 51 RCW; or
    - ☐ Bidder is not required to have industrial insurance coverage as required in Title 51 RCW

14. **Choose one of the following:**
    - ☐ Bidder's Washington Employment Security Department registration number is: _____; or
    - ☐ Bidder is not required to register with the Washington Employment Security Department pursuant to Title 50 RCW

15. **Choose one of the following:**
    - ☐ Bidder's Washington State Department of Revenue registration number is: _____; or
    - ☐ Bidder is not required to register with the Washington State Department of Revenue pursuant to Title 82 RCW

16. Bidder is not disqualified from bidding on any public works contract under RCW 39.06.010 or under RCW 36.12.065.

17. For public works projects entered into between September 1, 2010 through December 31, 2013 and estimated to cost over $1 million Bidder must not have violated the "Off-Site Prefabricated Non-Standard Project Specific Items" reporting requirements more than one time as determined by the Department of Labor and Industries per RCW 39.04.350.

18. In accordance with RCW 39.04.380 effective March 30, 2012 the State of Washington enforced a **Reciprocal Preference for Resident Contractors.** Any public works bid received from a nonresidential contractor from a state that provides an in-state percentage bidding preference, a comparable percentage disadvantage must be applied to the bid of that nonresident contractor.

    A nonresident contractor from a state that provides a percentage bid preference means a contractor that:

    a) is from a state that provides a percentage bid preference to its resident contractors bidding on public work contracts.

    b) at the time of bidding on a public works project, does not have a physical office located in Washington.

    The state of residence for a nonresident contractor is the state in which the contractor was incorporated or, if not a corporation, the state where the contractor's business entity was formed.

    All nonresident contractors will be evaluated for out of state bidder preference. If the state of the nonresident contractor provides an in-state contractor preference, a comparable percentage disadvantage will be applied to their bid prior to contract award.

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(II, continued)

This section does not apply to public works procured pursuant to RCW 39.04.155, 39.04.280, or any other procurement exempt from competitive bidding.

I am the _____ (title of Bidder), have authority to bind Bidder, am over the age of 18, and have personal knowledge of the facts set forth above.

Dated this _____ day of _____, 20_____ at_____ (City), Washington.

_____
Signature

_____
Print Name

_____
Title

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III: SUBCONTRACTOR LIST

Prepared in compliance with RCW 39.30.060 as amended

Failure to list subcontractors with whom the bidder, if awarded the contract, will directly subcontract for performance of the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical, as described in Chapter 19.28 RCW or naming more than one subcontractor to perform the same work will result in your bid being non-responsive and therefore void. Subcontractor(s) with whom the bidder will directly subcontract that are proposed to perform the work of structural steel installation, rebar installation, heating, ventilation and air conditioning, plumbing, as described in Chapter 18.106 RCW, and electrical as described in Chapter 19.28 RCW must be listed below. The work to be performed is to be listed below the subcontractor(s) name. If RCW 39.30.060 requires a proof of license, the license number of that Subcontractor is required. To the extent the Project includes one or more categories of work referenced in RCW 39.30.060, and no subcontractor is listed below to perform such work, the bidder certifies that the work will either (i) be performed by the bidder itself, or (ii) be performed by a lower tier subcontractor who will not contract directly with the bidder.

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

Subcontractor Name _____

_____

Item Numbers: _____

_____

_____

_____

Subcontractor Name _____

_____

Item Numbers: _____

_____

_____

_____

Subcontractor Name _____

_____

Item Numbers: _____

_____

_____

_____

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(III, continued)

Subcontractor Name _____

Item Numbers: _____

Subcontractor Name _____

Item Numbers: _____

Subcontractor Name _____

Item Numbers: _____

Subcontractor Name _____

Item Numbers: _____

Bid Item numbers to be performed by the prime contractor:

Name _____

Item Numbers: _____

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IV: BIDDER QUESTIONNAIRE

Washington State Department of Transportation

Bidder Questionnaire

Agency Name	Federal Aid Number
Prime Contractor Name	Contract Number
Contract Name	

Firm/Subcontractor Name	Address (incl. Zipcode)	DBE Status	NAICS Codes	Scope of Work	Firm Age	Firm Gross Receipts

If you have additional Firms or Subcontractors that submitted Bids, please complete additional forms.

Prime Contractor Signature _____ Title _____ Date _____

DOT Form 272-022 Revised 11/2025
• Previous Versions Obsolete •

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(IV, continued)

Form Instructions

The following information on each firm that submitted a bid is required as part of part of 49 CFR 26.11(c)(2):

Firm/Subcontractor Name: Enter the name of each firm or subcontractor who submitted a quote or a bid on the contract.

Address: Enter the date the main address of the firm/subcontractor. Include the zip code.

DBE Status: Enter the DBE status. *Options are DBE and Non-DBE.*

NAICS Codes: Enter the appropriate NAICS Codes for the work the bid was submitted.

Scope of Work: Enter the scope of the work the bid was submitted for.

Firm Age: Enter the age of the Firm.

Firm Gross Receipts: Enter the annual gross receipts. *Options are "Less than $1 million", "$1-$3 million", "$3-$6 million", "$6-$10 million", "$10-$20 million ", "$20-$30.72 million ", "Greater than $30.72 million ".*

DOT Form 272-022 Revised 11/2025
• Previous Versions Obsolete •

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V: BIDDER'S AFFIDAVIT OF EQUAL OPPORTUNITY COMPLIANCE

GENERAL INSTRUCTIONS

Application: The following materials pertain to the Equal Opportunity Requirements of the City of Bellevue as set forth in Chapter 4.28.170 of the Bellevue City Code. All contractors, subcontractors, consultants, vendors and suppliers who contract with the City in a total amount of thirty-five thousand or more within any given year must comply with these requirements.

Affidavit: Before being considered for a contract of the magnitude listed above, all contractors, etc. will be required to submit the "Affidavit of Equal Opportunity Compliance" as a part of their proposal or upon the request of the Procurement and Disbursements Manager.

Compliance: The City of Bellevue reserves the right to randomly select contractors, subcontractors, consultants, vendors or suppliers to be audited for compliance of the requirements listed. During this audit, the contractors, etc. will be asked for a specific demonstration of compliance with the requirements.

Non-compliance: A finding of non-compliance may be considered a breach of contract and suspension or termination of the contract may follow.

City contact: The City's Compliance Officer is the Procurement and Disbursements Manager, and specific questions pertaining to this section may be directed to the Procurement Services Division at (425) 452-7876.

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(V, continued)

EQUAL OPPORTUNITY REQUIREMENTS

Section 4.28.170 of the Bellevue City Code establishes the requirements for all contractual service providers: "All contractors, subcontractors, consultants, vendors and suppliers who contract with the City of Bellevue in a total amount of thirty-five thousand dollars or more within any given year are required to take affirmative action and comply with the following requirements of this section. There shall be included in any contract between such contractual services provider and the City of Bellevue the following provisions:

1. Contractor shall make specific and constant recruitment efforts with minority and women's organizations, schools, and training institutions. This shall be done by notifying relevant minority and women's organizations.

2. Contractor shall seek out eligible minority and women contractors to receive subcontract awards. Appropriate minority and women contractors shall be notified in writing of any bids advertised for subcontract work.

3. Contractor shall provide a written statement to all new employees and subcontractors indicating commitment as an equal opportunity employer and the steps taken to equal treatment of all persons.

4. Contractor shall actively consider for promotion and advancement available minorities and women.

5. Contractor is encouraged to make specific efforts to encourage present minority and women employees to help recruit qualified members of protected groups.

6. Contractor is encouraged to provide traditional and non-traditional employment opportunities to female and minority youth through after-school and summer employment.

7. Contractor is encouraged to assist in developing the skills of minorities and women by providing or sponsoring training programs.

Willful disregard of the City's non-discrimination and equal opportunity requirements shall be considered breach of contract and suspension or termination of all or part of the contract may follow.

All contractors, subcontractors, vendors, consultants or suppliers of the City required to provide equal opportunity must sign the affidavit of compliance and submit with the bid proposal or upon the request of the Purchasing Manager.

All documents related to compliance steps listed above shall be presented upon the request of the Purchasing Manager. The Purchasing Manager shall serve as the compliance officer for the city and is authorized to develop and issue procedures for the administration of this section"

In order to more readily determine compliance with BCC 4.28.170, the following interpretations are provided:

Requirement 1. When a contractor needs to recruit, they must notify minority and women's organizations, schools and training institutions. Such "notification" can be in the form of an advertisement in newspapers or trade journals of general circulation in the metropolitan Seattle area.

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(V, continued)

When the contractor hires through a union hiring hall, the contractor must be able to provide confirmation, upon request by the City, that the hiring hall has an equal opportunity policy.

Requirement 2. When a contractor intends to subcontract out any work they shall seek notify minority and women contractors for this subcontract work. The requirements to notify minority and women contractors of any bids can be satisfied by advertising in newspapers or trade journals that are of general circulation in the metropolitan Seattle area.

Requirement 3. If and when a contractor hires new employees or contracts with subcontractors, the contractor must alert such employees and subcontractors to the contractor's commitment as an equal opportunity employer, etc. This requirement may be compiled with by posting a notice of equal opportunity commitment at the job shack, or by the time clock.

Requirement 4. If and when a contractor promotes or advances employees, the contractor must consider ALL eligible employees.

The guidelines above shall apply to all audits of compliance with the requirements set forth in BCC 4.28.170.

February 4, 1999

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(V, continued)

AFFIDAVIT OF EQUAL OPPORTUNITY COMPLIANCE

_____ certifies that:
Bidder

1. If necessary to recruit additional employees, it has:

   a. Notified relevant minority and women's organizations, or

   b. Hired through a union hall with an equal opportunity policy.

2. It intends to use the following listed construction trades in the work under the contract:

   _____

   _____

   _____

   _____

   _____

   _____

3. In sourcing sub-contract work for trades listed above, it has notified in writing appropriate minority and women contractors of bids for sub-contract work.

4. It will obtain from its sub-contractors and submit upon request, an Affidavit of Equal Opportunity Compliance as required by these bid documents.

5. It has provided a written statement to all new employees or sub-contractors indicating its commitment as an equal opportunity employer.

6. It has considered all eligible employees for promotion or advancement when promotion or advancement opportunities have existed.

By: _____
(Authorized Signature)

Title: _____

Date: _____

February 4, 1999

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VI: BIDDER'S AFFIDAVIT OF TITLE VI COMPLIANCE

GENERAL INSTRUCTIONS

Application: The following materials pertain to the regulations relative to nondiscrimination if Federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, part 21. All contractors, subcontractors, consultants, suppliers and manufacturers who contract with the City must comply with these requirements.

Affidavit: Before being considered for a contract, all contractors, etc. will be required to submit the "Affidavit of Title VI Compliance" as a part of their proposal or upon the request of the Purchasing Manager.

Compliance: The City of Bellevue reserves the right to randomly select contractors, subcontractors, consultants, vendors or suppliers to be audited for compliance of the requirements listed. During this audit, the contractors, etc. will be asked for a specific demonstration of compliance with the requirements.

Non-compliance: A finding of non-compliance may be considered a breach of contract and suspension or termination of the contract may follow.

City contact: The City's Compliance Officer is the Procurement and Disbursements Manager, and specific questions pertaining to this section may be directed to the Procurement Services Division at (425) 452-7876.

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(VI, continued)

AFFIDAVIT OF TITLE VI COMPLIANCE

Assurances for Consultants, Contractors, Subcontractors, Suppliers and Manufacturers

1. Compliance with Regulations: The contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor"), shall comply with the Regulations relative to nondiscrimination in Federally assisted programs of the Department of Transportation (hereinafter DOT), Title 49, Code of Federal Regulations, part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

2. Nondiscrimination: The contractor, with regard to the work performed during the contract, shall not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

3. Solicitations for Subcontracts, including Procurement of Materials and Equipment: In all solicitations either by competitive bidding or negotiations made by the contractor for work to be performed under a subcontract, including procurement of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the ground of race, color, sex, or national origin.

4. Information and Reports: The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the City of Bellevue or the Washington State Department of Transportation to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to the City of Bellevue or the Washington State Department of Transportation as appropriate, and shall set forth what efforts it has made to obtain the information.

5. Sanctions for Noncompliance: In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the City of Bellevue and the Washington State Department of Transportation shall impose such contract sanctions as it, or the Federal Highway Administration may determine to be appropriate, including, but not limited to:

   a. Withholding of payments to the contractor under the contract until the contractor complies, and/or;
   b. Cancellation, termination, or suspension of the contract, in whole or in part.

6. Incorporation of Provisions: The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontractor or procurement as the City of Bellevue or the U.S. Department of Transportation, Federal Highway Administration, may direct as a means of enforcing such provisions including sanctions for noncompliance.

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(VI, continued)

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the City of Bellevue enter into such litigation to protect the interests of the City and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

The contractor hereby certifies that during the performance of this contract it agrees to comply with these assurances.

By: _____

(Authorized Signature)

Title: _____

Date: _____

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VII: WAGE PAYMENT COMPLIANCE CERTIFICATION

CERTIFICATION OF COMPLIANCE WITH WAGE PAYMENT STATUTES

Failure to return this certification as part of the Bid Proposal package will make this bid nonresponsive and ineligible for award.

The bidder hereby certifies that, within the three-year period immediately preceding the bid solicitation date (April 23, 2026), the bidder is not a "willful" violator, as defined in RCW 49.48.082, of any provision of chapters 49.46, 49.48, or 49.52 RCW, as determined by a final and binding citation and notice of assessment issued by the Department of Labor and Industries or through a civil judgment entered by a court of limited or general jurisdiction.

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

_____
Bidder's Business Name

_____
Signature of Authorized Official*

_____
Printed Name

_____
Title

_____ _____ _____
Date City State

Check One:
Sole Proprietorship ☐ Partnership ☐ Joint Venture ☐ Corporation ☐

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

_____

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

_____

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

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VIII: BID BOND FORM

Herewith find deposit in the form of a certified or cashier's check in the amount of $ _____ which amount is not less than five percent (5%) of the total bid.

_____
Signature

BID BOND

KNOW ALL MEN BY THESE PRESENTS, THAT we _____ as Principal and _____ as Surety, are held and firmly bound unto the City of Bellevue, Washington, as Obligee in the penal sum of _____ dollars, for the payment of which the Principal and the Surety binds themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, by these presents.

The condition of the obligation is such that if the Obligee shall make any award to the Principal for,

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

according to the terms of the proposal or bid made by the Principal therefore, and the Principal shall duly make and enter into a Contract with the Obligee in accordance with the terms of said proposal or bid and award and shall give bond for the faithful performance thereof, with Surety or Sureties approved by the Obligee; or if the Principal shall, in case of failure to do so, pay and forfeit to the Obligee the penal amount of the deposit specified in the call for bids, then this obligation shall be null and void; otherwise it shall be and remain in full force and effect and the Surety shall forthwith pay and forfeit to the Obligee, as penalty and liquidated damages the amount of this bond.

SIGNED, SEALED and DATED THIS _____ day of _____ , 20_____ .

_____
Principal

_____
Surety

_____
Local Surety Address

_____
Surety Phone No. Surety Fax No.

Return of Deposit in the amount of
$_____
Date _____, 20_____
By _____

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IX: PROPOSAL/CONSTRUCTION CONTRACT

TO: Bellevue City Council
Bellevue, Washington

BID NUMBER: **26012**

CONTRACTOR: _____

DATE: _____ _____ _____
Month Day Year

ADDENDA ATTACHED _____, _____, _____, _____, _____

Pursuant to and in compliance with your INVITATION FOR BIDS and all other documents relating thereto, the undersigned hereby certifies that he/she has examined the location of

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

In the city of Bellevue, Washington, that he/she has read and thoroughly understands the terms of the contract and the cost of the complete work at the place where the work is to be done, and that he/she proposes and agrees to perform the contract, within the time stipulated, including all its component parts, and to provide and furnish any and all labor, material, tools, expendable equipment, utility and transportation services necessary to perform the complete contract, in a workmanlike manner, and as required by and in strict conformance with the Standard Specifications, Special Provisions, Addenda and Plans, all for the following rates and lump sum prices:

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

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Bid Proposal Table – Schedule A

ITEM NO.	SECTION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
1	1-04	Unforeseen Utility Conflicts	1	FA	$15,000	$15,000
2	1-05	Construction Surveying	1	LS		
3	1-05	Record Drawings and Survey	1	LS		
4	1-07	SPCC Plan	1	LS		
5	1-07	Potholing	1	FA	$20,000	$20,000
6	1-08	Type B Progress Schedule	1	LS		
7	1-09	Mobilization	1	LS		
8	1-10	Traffic Control Supervisor	1	LS		
9	1-10	Pedestrian Traffic Control	1	LS		
10	1-10	Sequential Arrow Sign	3200	HR		
11	1-10	Flaggers and Other Traffic Control Labor	3200	HR		
12	1-10	Other Temporary Traffic Control Devices	1	LS		
13	1-10	Work Zone Safety Contingency	1	FA	$25,000	$25,000
14	1-10	Uniformed Police Officer	200	HR		
15	2-01	Clearing and Grubbing	1	LS		
16	2-01	Tree Removal	55	EA		
17	2-01	Roadside Cleanup	1	FA	$25,000	$25,000
18	2-02	Removing Cement Conc. Sidewalk	60	SY		

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ITEM NO.	SECTION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
19	2-02	Removing Chain Link Fence	290	LF		
20	2-03	Gravel Borrow Incl. Haul	14000	TON		
21	2-03	Roadway Excavation Incl. Haul	1	LS		
22	2-09	Structure Excavation Class B Incl. Haul	115	CY		
23	2-09	Shoring or Extra Excavation Class B	1000	SF		
24	4-04	Crushed Surfacing Base Course	475	TON		
25	5-04	HMA Cl. 1/2 In. PG 58H-22	240	TON		
26	6-06	Bridge Railing Type Bike/Pedestrian	508	LF		
27	6-11	Reinforced Concrete Wall	959	SF		
28	6-14	Gravel Borrow for Structural Earth Wall Incl. Haul	12000	TON		
29	6-14	Geosynthetic Wall with Concrete Fascia	10440	SF		
30	7-01	Drain Pipe 6 In. Diam.	135	LF		
31	7-01	Underdrain Pipe 6 In. Diam.	21	LF		
32	7-01	Cleanout	3	EA		
33	7-02	Trash Rack	3	EA		
34	7-04	Ductile Iron Pipe Class 52, 8 In. Diam.	130	LF		
35	7-05	Catch Basin Type 1P	1	EA		
36	7-05	Adjust Catch Basin	3	EA		
37	8-01	ESC Lead	200	DAY		

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ITEM NO.	SECTION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
38	8-01	Inlet Protection	4	EA		
39	8-01	Stabilized Construction Entrance	85	SY		
40	8-01	High Visibility Fence	650	LF		
41	8-01	Erosion Control and Water Pollution Prevention	1	LS		
42	8-01	Passive or Active Treatment System Complete	1	LS		
43	8-01	Silt Fence	225	LF		
44	8-01	Turbidity and pH Monitoring	150	EA		
45	8-01	CSWPPP and ESC Plan	1	LS		
46	8-01	Erosion Control Blanket	2150	SY		
47	8-02	Topsoil Type A	100	CY		
48	8-02	Mulch	494	CY		
49	8-02	Fine Compost	961	CY		
50	8-02	PSIPE Thuja plicata, 5 Gal. Cont., 48" Ht. Min.	25	EA		
51	8-02	PSIPE Pseudotsuga menziesii, 5 Gal. Cont., 48" Ht. Min.	29	EA		
52	8-02	PSIPE Picea sitchensis, 5 Gal. Cont., 48" Ht. Min.	10	EA		
53	8-02	PSIPE Malus fusca, B&B, 6' Ht. Min.	18	EA		
54	8-02	PSIPE Rhamnus purshiana, B&B, 6' Ht. Min.	29	EA		
55	8-02	PSIPE Populus tremuloides, B&B, 6' Ht. Min.	38	EA		
56	8-02	PSIPE Prunus emarginata, 5 Gal. Cont., 6' Ht. Min.	7	EA		

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ITEM NO.	SECTION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
57	8-02	PSIPE Salix scouleriana, 2 Gal. Cont., 36" Ht. Min.	9	EA		
58	8-02	PSIPE Corylus cornuta, 5 Gal. Cont., 36"- 48" Ht. Min.	66	EA		
59	8-02	PSIPE Amelanchier alnifolia, 5 Gal. Cont., 36"- 48" Ht. Min.	67	EA		
60	8-02	PSIPE Acer circinatum, 5 Gal. Cont., 36"- 48" Ht. Min.	67	EA		
61	8-02	PSIPE Sambucus racemosa, 1 Gal. Cont., 8"-12" Ht. Min.	229	EA		
62	8-02	PSIPE Oemleria cerasiformus, 1 Gal. Cont., 8"-12" Ht. Min.	225	EA		
63	8-02	PSIPE Holidiscus discolor, 1 Gal. Cont., 8"-12" Ht. Min.	324	EA		
64	8-02	PSIPE Cornus sericea, 1 Gal. Cont., 8"-12" Ht. Min.	16	EA		
65	8-02	PSIPE Lonicera involucrata, 1 Gal. Cont., 8"-12" Ht. Min.	85	EA		
66	8-02	PSIPE Philadelphus lewisii, 1 Gal. Cont., 8"-12" Ht. Min.	324	EA		
67	8-02	PSIPE Symphoricaros albus, 1 Gal. Cont., 8"-12" Ht. Min.	42	EA		
68	8-02	PSIPE Rosa nutkana, 1 Gal. Cont., 8"-12" Ht. Min.	92	EA		
69	8-02	PSIPE Mahonia aquifolium, 1 Gal. Cont., 8"-12" Ht. Min.	72	EA		
70	8-02	PSIPE Polystichum munitum, 1 Gal. Cont., 8"-12" Ht. Min.	48	EA		
71	8-02	PSIPE Arctostaphylos uva-ursi, 1 Gal, Cont., 8"-12" Ht. Min.	1686	EA		
72	8-02	PSIPE Campanula rotundafolia, 1 Gal, Cont., 8"-12" Ht. Min.	35	EA		
73	8-02	PSIPE Lupinus polyphyllus,1 Gal., Cont., 8"-12" Ht. Min.	814	EA		
74	8-02	PSIPE Triteleia hyacinthina, 1 Gal., Cont., 8"-12" Ht. Min.	106	EA		
75	8-02	PSIPE Achillea millefolium, 1 Gal., Cont., 8"-12 Ht. Min.	387	EA		

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ITEM NO.	SECTION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
76	8-02	PSIPE Cornus 'Starlight'/ Starlight Dogwood; 2" Cal., 10'-12' Ht.	3	EA		
77	8-02	PSIPE Liriope muscari 'Big Blue'/ Big Blue Lilyturf; 1 Gal., 6" Ht. Min.	115	EA		
78	8-02	PSIPE Geranium macrorrhizum 'Bevans Variety'/ Bigroot Geranium; 1 Gal., 6" Ht. Min.	106	EA		
79	8-02	PSIPE Pennisetum alopercuroides 'Hameln'/ Dwarf Fountain Grass; 1 Gal., 12" Ht. Min.	37	EA		
80	8-02	PSIPE Gaultheria shallon/ Salal; 1 Gal., 6" Ht. Min.	25	EA		
81	8-02	PSIPE Mahonia repens/ Creeping Oregon Grape; 1 Gal., 6" Ht. Min.	49	EA		
82	8-02	PSIPE Cornus sericea 'Kelseyii'/ Kelsey Dogwood; 1 Gal., 10" Ht. Min.	35	EA		
83	8-02	PSIPE Polystichum munitum/ Western Sword Fern; 1 Gal., 6" Ht. Min.	32	EA		
84	8-02	PSIPE Ceanothus gloriosus/ Point Reyes Ceanothus; 2 Gal., 6" Spread Min.	30	EA		
85	8-02	PSIPE Imperata cylindrica/ Japanese Blood Grass; 1 Gal., 6" Ht. Min.	47	EA		
86	8-02	PSIPE Ribes sanguineum 'King Edward VII'/ Red Flowering Currant; 5 Gal., 24" Ht. Min.	6	EA		
87	8-02	PSIPE Rosa 'Radrazz'/ Knock Out Rose; 2 Gal., 12" Ht. Min.	9	EA		
88	8-02	PSIPE Carex pachystachya/ Thick-headed Sedge; 1 Gal., 6" Ht. Min.	27	EA		

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ITEM NO.	SECTION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
89	8-02	Property Restoration	1	FA	$25,000	$25,000
90	8-02	Bench	2	EA		
91	8-03	Irrigation System	1	LS		
92	8-12	Coated Chain Link Fence Type 3	745	LF		
93	8-12	Coated End, Gate, Corner, Pullpost for Chain Link Fence	23	EA		
94	8-12	Cable Fence	83	LF		
95	8-14	Cement Conc. Sidewalk	48	SY		
96	8-14	Scored Cement Conc. Sidewalk	155	SY		
97	8-14	Cement Conc. Stairs	36	SY		
98	8-14	Stair Handrail	152	LF		
99	8-20	Illumination System Complete	1	LS		
100	8-21	Permanent Signing	1	LS		
101	8-22	Paint Line	815	LF		
102	8-30	Streambed Cobbles 8 In.	220	TON		

Schedule A Total

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Bid Proposal Table – Schedule B

ITEM NO.	SECTION	ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE
200	6-02	Artwork Foundations	1	LS		

Schedule B Total

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TOTAL BID PRICE: $_____._____

CONTRACTOR: _____

ADDRESS: _____

_____

E-MAIL: _____

TELEPHONE: _____ LICENSE NUMBER: _____

ATTEST: (if Corporation)

X _____ X _____
Contractor

X _____ By _____
Title

Witness: (if Individual or Partnership)

X_____

X_____

ALL BIDDERS SHALL SIGN THE PROPOSAL/CONTRACT IN THE SPACE PROVIDED

The successful bidder shall execute and furnish the attached (no substitution allowed) Performance Bond within thirty (30) calendar days after the date of award of contract unless a written extension is granted by the Director of the City of Bellevue Transportation Department.

The Contractor agrees to perform the complete contract work as specified in the Special Provisions, Section 1-08.

The **Proposal**, together with a work schedule chart, Contract Documents, Standard Specifications, Special Provisions, Addenda and Plans, when endorsed by the City Manager of the City of Bellevue, Washington, shall become a **Contract** binding on both parties thereto, whereby the Contractor agrees to perform the complete contract work, as specified, and the City of Bellevue agrees to make payments to the Contractor, as specified, for said completed and accepted work.

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X: LOBBYING CERTIFICATION

The undersigned certifies, to the best of his or her knowledge and belief, that:

A. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

B. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying", in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

The undersigned shall require that the language of this certification be included in all lower tier subcontracts which exceed $100,000, and that all such recipients shall certify and disclose accordingly.

Bidder: _____
(Type or Print Company Name)

By: _____ _____
Signature Date

_____
Title

Print Name: _____

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XI: PROPOSAL FOR INCORPORATING RECYCLED MATERIALS INTO THE PROJECT

Proposal for Incorporating Recycled Materials into the Project

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

Proposed total percentage:_____percent.

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

Bidder: _____

Signature of Authorized Official: _____

Date: _____

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XII: PERFORMANCE BOND

NOTE: THIS FORM MUST BE USED. NO SUBSTITUTE IS ACCEPTABLE.

PERFORMANCE BOND
(Statutory)

KNOW ALL MEN BY THESE PRESENTS: that whereas the City of Bellevue ("City"), King County, Washington has awarded to

VENDOR NAME

_____,

the Principal (hereinafter designated as the "Contractor"), a contract for work, which contract consists of the Proposal/Agreement, together with the Contract Documents, Specifications, Special Provisions, Addenda and Plans, together with any duly authorized amendments, all as made a part hereof (collectively the "Contract"), and sometimes identified by

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

and whereas the Contractor is required under the terms of the Contract to furnish a bond for the faithful performance of the Contract:

NOW, THEREFORE, we the Contractor,

and_____ ("Surety") a corporation, organized and existing under and by virtue of the laws of the State of _____, and duly authorized to do business in the State of Washington as surety, NAIC Code #_____ _____; WAOIC/CIC Code #_____ are held and firmly bound unto the City of Bellevue in the sum of: ($_____) lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents:

1. **THE CONDITION OF THIS OBLIGATION IS SUCH**, that if the Contractor, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and promptly and faithfully perform each and every covenant, condition, and provision of the Contract and this Performance Bond, then and only then shall this obligation become null and void, otherwise it shall be and remain in full force and effect;
2. Whenever the Contractor shall be and declared by the City to be in default under the Contract, the Surety shall promptly remedy the default in a manner acceptable to the City. Provided, however, the City shall at all times have the right to continue the Contract in effect and complete the Contract or cause the Contract to be completed, and to sue for damages, such damages to include but not be limited to engineering/design costs resulting from the Contractor's default, construction costs, development fees, and reasonable attorneys' fees and costs; and

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(XII, continued)

3. In addition to the indemnification provided by Contractor in the Contract, the Contractor and the Surety shall defend, indemnify and save harmless the City, its employees, officials, officers and agents, from any claim, suit, lien, damage, cost, or expense, including attorney fees and costs arising out of (1) Contractor's acts or omissions; (2) defects appearing or developing in the material or workmanship provided or performed under the Contract within a period of one year after Acceptance thereof by the City; and
4. The Contractor and Surety shall, jointly and severally, be liable for the City's reasonable costs and attorneys' fees expended in enforcing the provisions of this Bond; and
5. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed shall in any way affect its obligation on this Performance Bond, and it does hereby waive notice of any change, extension of time, alterations or additions to the terms of the Contract or the work. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this Bond and notice to Surety is not required for such increased obligation; and
6. Any provision of this Bond conflicting with statutory or legal requirements shall be deemed deleted and provisions conforming to such statutory or legal requirements shall be deemed incorporated.

IN WITNESS THEREOF, the Contractor and the Surety caused this Bond and three (3) counterparts thereof to be signed and sealed by their duly authorized officers, this _____day of _____, 20___.

PRINCIPAL:	**SURETY:**
By:	By:
_____	_____
Printed Name:_____	Printed Name:_____
Title:_____	Title:_____
Address:_____	Address:_____
_____	_____
Email:_____	Email: _____
Phone:_____	Phone:_____
Fax:_____	Fax: _____
Provide Notarization for Principal Below	*Provide Local Address of Surety and Attach Notarized Power of Attorney for Surety*

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(XII, continued)

State of Washington, County of King

I certify that I know or have satisfactory evidence that _____is the person who appeared before me, and said person acknowledged that (he/she) signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged it as the_____of_____ to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

(Notary Seal or Stamp for Principal)

Dated: _____

Signature of Notary Public: _____

Printed Name: _____

Title: _____

My appointment expires: _____

A POWER OF ATTORNEY MUST BE PROVIDED WHICH APPOINTS THE SURETY'S TRUE AND LAWFUL ATTORNEY-IN-FACT TO MAKE, EXECUTE, SEAL, AND DELIVER THIS BOND.

Address and Phone Number of local office and agent of Surety Company is:

_____

_____

_____

_____

Approved as to Form:_____
Attorney for the City of Bellevue

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XIII: PAYMENT BOND

NOTE: THIS FORM MUST BE USED. NO SUBSTITUTE IS ACCEPTABLE.

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that whereas the City of Bellevue ("City"), King County, Washington has awarded to

VENDOR NAME

_____,

the Principal (hereinafter designated as the "Contractor"), a contract for work, which contract consists of the Proposal/Agreement, together with the Contract Documents, Specifications, Special Provisions, Addenda and Plans, together with any duly authorized amendments, all as made a part hereof (collectively the "Contract"), and sometimes identified by

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK

BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

and whereas the Contractor is required under the terms of the Contract to furnish a payment bond in accordance with RCW 39.08 and RCW 60.28, for the faithful and timely payment of the Contract:

NOW, THEREFORE, we the Contractor,

and_____ ("Surety") a corporation, organized and existing under and by virtue of the laws of the State of _____, and duly authorized to do business in the State of Washington as surety, NAIC Code #_____ _____; WAOIC/CIC Code #_____ are held and firmly bound unto the City of Bellevue in the sum of: ($_____) lawful money of the United States, for the payment of which amount well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents;

1. **THE CONDITION OF THIS OBLIGATION IS SUCH**, that if the Contractor, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and promptly and faithfully perform each and every covenant, condition and provision of the Contract and this Payment Bond, then and only then shall this obligation become null and void; otherwise it shall be and remain in full force and effect; and
2. The Contractor shall faithfully and promptly pay, in accordance with RCW Titles 60.28, 39.08, and 39.12, the sums due to all laborers, mechanics, subcontractors and material suppliers, and all persons who shall supply such person or persons, or subcontractors, with provisions and supplies for the carrying on of such work under the Contract; and

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(XIII, continued)

3. The Contractor shall faithfully and promptly pay all taxes, if any, incurred on or related to the Contract under RCW Titles 50 and 51 and any and all taxes imposed on the Contractor under RCW Title 82 or any other law; and
4. The Contractor and Surety, jointly and severally, shall defend, indemnify, and save harmless the City, its employees, officials, officers and agents from any damage, tax, penalty, interest, cost, fee, expense, including attorneys' fees, arising out of claims, demands, liens, or suits by any person or entity seeking payment for any of the above-described payments or any other payment required by law or the Contract; and
5. The Contractor and Surety shall, jointly and severally, be liable for the City's reasonable costs and attorneys' fees expended in enforcing the provisions of this Bond; and
6. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder shall in any way affect its obligations on this Bond, and it does hereby waive notice of any change, extension of time, alterations or additions to the terms of the Contract or the work. The Surety agrees that modifications and changes to the terms and conditions of the Contract that increase the total amount to be paid the Principal shall automatically increase the obligation of the Surety on this Bond and notice to Surety is not required for such increased obligation.
7. Any provision of this Bond conflicting with statutory or legal requirements shall be deemed deleted and provisions conforming to such statutory or legal requirements shall be deemed incorporated.

IN WITNESS THEREOF, the Contractor and the Surety caused this Bond and three (3) counterparts thereof to be signed and sealed by their duly authorized officers, this _____day of _____, 20___.

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(XIII, continued)

PRINCIPAL:	**SURETY:**
By:	By:
_____	_____
Printed Name:_____	Printed Name:_____
Title:_____	Title:_____
Address:_____	Address:_____
_____	_____
Email:_____	Email: _____
Phone: _____	Phone: _____
Fax: _____	Fax: _____
Provide Notarization for Principal Below	*Provide Local Address of Surety and Attach Notarized Power of Attorney for Surety*

State of Washington, County of King

I certify that I know or have satisfactory evidence that _____is the person who appeared before me, and said person acknowledged that (he/she) signed this instrument, on oath stated that (he/she) was authorized to execute the instrument and acknowledged it as the _____ of _____ to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

(Notary Seal or Stamp for Principal)

Dated: _____

Signature of Notary Public: _____

Printed Name: _____

Title: _____

My appointment expires: _____

A POWER OF ATTORNEY MUST BE PROVIDED WHICH APPOINTS THE SURETY'S TRUE AND LAWFUL ATTORNEY-IN-FACT TO MAKE, EXECUTE, SEAL, AND DELIVER THIS BOND.

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(XIII, continued)

Address and Phone Number of local office and agent
of Surety Company is:

_____

_____

_____

_____

Approved as to Form: _____
Attorney for the City of Bellevue

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XIV: AGREEMENT

State of Washington)
) ss
County of King)

THIS AGREEMENT AND CONTRACT, made and entered into at Bellevue, Washington, this _____ day of _____, 20____, by and between the City of Bellevue, Washington, a municipal corporation, herein designated "Owner", and _____, herein designated as the "Contractor", WITNESSETH:

That WHEREAS the Owner heretofore caused to be prepared certain Conditions for the construction of

EASTRAIL TO NE SPRING BOULEVARD TRAIL LINK
BID NUMBER: 26012
C.I.P. NUMBER: G-103
FEDERAL AID NUMBER: STPUL-0075(031)

and the Contractor did on _____ day of _____, 20____, file with the Owner a proposal to construct said Roadway Improvements and agreed to accept as payment therefore the sum fully stated and set forth in the proposal, and

WHEREAS, the said Contract Documents fully and accurately described in terms and conditions upon which the Contractor proposes to furnish said equipment, labor, materials, and appurtenances and perform said work, together with the manner and time of furnishing same.

IT IS THEREFORE AGREED, first, that a copy of said specifications and other Contract Documents filed with the Owner, as aforesaid, do, in all particulars, become a part of the Agreement and Contract by and between the parties hereto in all matters and things therein set forth and described; and further, that the Owner and the Contractor hereby accept and agree to the terms and conditions of said Contract Documents as filed as completely as if said terms and conditions and Plans were herein set out in full.

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(XIV, continued)

IN FAITH WHEREOF, witness the hand and seals of both parties hereto on the day and year in this Agreement first above written.

CITY OF BELLEVUE

By: _____
Transportation Director

CONTRACTOR

By: _____

Title: _____

Address _____

_____

_____

_____

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REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

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REQUIRED CONTRACT PROVISIONS
FEDERAL-AID CONSTRUCTION CONTRACTS

I. General
II. Nondiscrimination
III. Non-segregated Facilities
IV. Davis-Bacon and Related Act Provisions
V. Contract Work Hours and Safety Standards Act Provisions
VI. Subletting or Assigning the Contract
VII. Safety: Accident Prevention
VIII. False Statements Concerning Highway Projects
IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
XI. Certification Regarding Use of Contract Funds for Lobbying
XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of $10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding $10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

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1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (*see* 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

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within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants / Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment: The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. 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.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

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(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than $10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding $2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act (40 U.S.C. 3141(2)(B)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH–1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in 29 CFR part 1, a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

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(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to DBAconformance@dol.gov. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30–day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided,* That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

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2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in 40 U.S.C. 3141(2)(B) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (*e.g.,* the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH–347 or in any other format desired. Optional Form WH–347 is available for this purpose from the Wage and Hour Division website at *https://www.dol.gov/sites/dolgov/files/WHD/legacy/files/wh347/.pdf* or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in 29 CFR part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH–347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH–347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

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(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 3729.

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under 29 CFR part 6 any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices* (1) *Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with

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the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of 40 U.S.C. 3144(b) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, 18 U.S.C. 1001.

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or 29 CFR part 1 or 3;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or 29 CFR part 1 or 3; or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or 29 CFR part 1 or 3.

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of $100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

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mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* $31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

(1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;

(2) A contracting agency for its reprocurement costs;

(3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;

(4) A contractor's assignee(s);

(5) A contractor's successor(s); or

(6) A claim asserted under the Prompt Payment Act, 31 U.S.C. 3901–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

(1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
(2) the prime contractor remains responsible for the quality of the work of the leased employees;

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(3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and

(4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

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IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of $150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost $25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1. **Instructions for Certification – First Tier Participants:**

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

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2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

* * * * *

3. **Instructions for Certification - Lower Tier Participants:**

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost $25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the $25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (https://www.sam.gov/), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

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excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed $100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed $100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

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ATTACHMENT A - EMPLOYMENT AND MATERIALS PREFERENCE FOR APPALACHIAN DEVELOPMENT HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)
This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

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SPECIAL PROVISIONS

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SPECIAL PROVISIONS

INTRODUCTION TO THE SPECIAL PROVISIONS

The work on this project shall be accomplished in accordance with the *Standard Specifications for Road, Bridge and Municipal Construction*, 2025 edition.

The Standard Specifications, as revised or supplemented by these Special Provisions, shall govern all of the work. 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 be interpreted that the balance of the section does not apply. In case of conflict between the various elements of the Contract Documents, refer to Section 1-04.2 of the Special Provisions for order of precedence.

Special Provisions from various sources are included in this contract: City of Bellevue, WSDOT, and American Public Works Association (APWA); and project-specific Special Provisions. Special Provision types are differentiated as follows:

(COB date)	City of Bellevue Special Provision
(date)	WSDOT General Special Provision
(date APWA GSP)	APWA General Special Provision
(******)	Project Specific Special Provision

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
WSDOT Construction Manual, current edition
Standard Plans for Road, Bridge and Municipal Construction, WSDOT, current edition
American Water Works Association Standards, current edition
City of Bellevue Utilities Engineering Standards, current edition
City of Bellevue Transportation Department Design Manual, current edition

The Contractor shall acquire copies of these publications, at no cost to the Contracting Agency.

DESCRIPTION OF WORK

The work to be performed under this contract consists of furnishing of materials, equipment, tools, labor, and other work or items incidental thereto (excepting any materials, equipment, utilities, or service, if any specified herein to be furnished by Owner or others), and performing all Work as required by the contract in accordance with the Contract Documents, all of which are made a part hereof.

This project provides for construction of *** a trail link near the intersection of NE 12th St and Spring Boulevard, including clearing and grading, erosion control, construction of geosynthetic walls with fascia, HMA trail, sidewalks, concrete walls and stairs, stormwater system, pedestrian railings and fencing, illumination, signing, irrigation, landscaping, artwork foundations, traffic control *** and other work necessary to complete the work as specified and shown in the Contract Documents.

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DIVISION 1
GENERAL REQUIREMENTS

1-01 DEFINITIONS AND TERMS

Definitions
(January 19, 2022 APWA GSP)

In Section 1-01.3, the title **Completion Dates** and the three paragraphs that follow it are revised to read as follows:

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.

Section 1-01.3 is supplemented with the following:

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

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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.

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1-02 BID PROCEDURES AND CONDITIONS

Prequalification of Bidders

Section 1-02.1, including the title, is revised to read as follows:

(COB 1-24)

Qualifications of Bidder

Bidders shall be qualified by experience, financing, equipment, and organization to do the work called for in the Contract Documents. The Contracting Agency reserves the right to take whatever action it deems necessary to ascertain the ability of the bidder to perform the work satisfactorily.

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.

Plans and Specifications

Section 1-02.2 is revised to read as follows:

(COB 1-24)

Information as to where Bid Documents can be obtained or reviewed will 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") and Contract Provisions	*** 5 ***	Furnished automatically upon award.
Large plans (22" x 34") and Contract Provisions	*** 1 ***	Furnished only upon request.

Examination of Plans, Specifications, and Site of Work

General

The first sentence of the ninth paragraph of Section 1-02.4(1) is revised to read as follows:

(December 30, 2022 APWA GSP Option B)

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

Proposal Forms

Section 1-02.5 is revised to read as follows:

(November 25, 2024 APWA GSP)

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

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form that call for, but are not limited to, unit prices; extensions; summations; the total bid amount; signatures; date; and, where applicable, retail sales taxes and acknowledgment of addenda; the bidder's name, address, telephone number, and signature; the bidder's DBE commitment, if applicable; a State of Washington Contractor's Registration Number; and a Business License Number, if applicable. Bids shall be in legible figures (not words) written in ink or typed, and expressed in U.S. dollars. The required certifications are included as part of the Proposal Form.

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

Preparation of Proposal

The first sentence of the second paragraph is revised to read as follows:

COB(05-25)
All prices shall be in legible figures (not words) written in ink or typed, and expressed in U.S dollars.

The second paragraph of Section 1-02.6 is supplemented 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.

In the space provided on the signature sheet, the Bidder shall confirm that all Addenda have been received.

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

(June 11, 2025 APWA GSP, Option C)
The Bidder shall submit with the Bid the completed Subcontractor List included in the Contracting Agency Proposal Package. If a Subcontractor List Form is not included in the package, use271-015LP. The Form shall contain the following:

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

The last two paragraphs of Section 1-02.6 are revised to read as follows:

(COB 10-25)
The Bidder shall submit with their Bid a completed Certification of Compliance with Wage Payment Statutes form. Failure to return this certification as part of the Bid Proposal package will make this Bid Nonresponsive and ineligible for Award. A Certification of Compliance with Wage Payment Statutes form is included in the Proposal Forms.

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

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

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

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

Section 1-02.6 is supplemented with the following:

(November 4, 2025)
Bidder Questionnaire

The Bidder shall submit with their Bid a Bidder Questionnaire form (WSDOT Form #272-022). This shall be filled out for each firm who submitted a bid or quote in attempt to participate in the project whether they were successful or not and include the following information:

1. Firm name;

2. Firm address including ZIP code;

3. Firm's status as a DBE or non-DBE;

4. NAICS code applicable to each scope of work the firm sought to perform in its bid;

5. Age of the firm; and

6. The annual gross receipts of the firm. The Bidder may obtain this information by asking each firm to indicate into what gross receipts bracket they fit (less than $1 million; $1-3 million; $3-6 million; $6-10 million; $10-20 million; $20-30.72 million; or greater than $30.72 million) rather than requesting an exact figure from the firm.

This form shall be received at the same location and no later than the time required for the delivery of the Proposal. Failure to comply with this requirement will cause this Bid to be considered irregular in accordance with Section 1-02.13.

The Contractor may correct errors to items 2 through 6 above on the Bidder Questionnaire form for a period up to 48 hours after bid opening. Bidder Questionnaire forms that are still incorrect after the correction period will be determined irregular. New Firm/Subcontractors may not be added to the form during the correction period. A Bidder Questionnaire form that fails to list a Firm/Subcontractor that appears on a different form will be considered irregular in accordance with Section 1-02.13.

Recycled Materials Proposal

(January 4, 2016 APWA GSP)
The Bidder shall submit with the Bid its proposal for incorporating recycled materials, using the form provided in the Contract Provisions.

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Bid Deposit

Section 1-02.7 is supplemented with the following:

(March 8, 2013 APWA GSP)

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.

Delivery of Proposal

Section 1-02.9 is revised to read as follows:

(November 21, 2025 APWA GSP, Option A)

General

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.

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

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

Supplemental bid information submitted after the Proposal submittal but within 48 hours of the time and date the Proposal is due, shall be submitted in a sealed envelope labeled the same as for the Proposal, with "Supplemental Information" added.

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

Withdrawing, Revising or Supplementing Proposal

Section 1-02.10 is revised to read as follows:

(July 23, 2015 APWA GSP)

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.

Irregular Proposals

Section 1-02.13 is revised to read as follows:

(November 21, 2025 APWA GSP)

1. A Proposal will be considered irregular and will be rejected if:
   a. The Bidder is not prequalified when so required;
   b. The Bidder adds provisions reserving the right to reject or accept the Award, or enter into the Contract;
   c. A price per unit cannot be determined from the Bid Proposal;
   d. The Proposal form is not properly executed;
   e. The Bidder fails to submit or properly complete a subcontractor list as required in Section 1-02.6;
   f. The Bidder fails to submit the Bidder Questionnaire, if applicable, as required by Section 1-02.6, or if the documentation that is submitted fails to meet the requirements of the Special Provisions; or
   g. The Bid Proposal does not constitute a definite and unqualified offer to meet the material terms of the Bid invitation.

2. A Proposal may be considered irregular and may be rejected if:
   a. The Proposal does not include a unit price for every Bid item;
   b. Any of the unit prices are excessively unbalanced (either above or below the amount of a reasonable Bid) to the potential detriment of the Contracting Agency;

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c. The authorized Proposal Form furnished by the Contracting Agency is not used or is altered;
d. The completed Proposal form contains unauthorized additions, deletions, alternate Bids, or conditions;
e. Receipt of Addenda is not acknowledged;
f. A member of a joint venture or partnership and the joint venture or partnership submit Proposals for the same project (in such an instance, both Bids may be rejected); or
g. If Proposal form entries are not made in ink.

Disqualification of Bidders

The following paragraph is inserted before the first paragraph of Section 1-02.14:

(COB 5-25)
A Bidder will be deemed not responsible and the proposal is rejected if the Bidder does not meet the mandatory bidder responsibility criteria in RCW 39.04.350(1), as amended.

1-03 AWARD AND EXECUTION OF CONTRACT

Consideration of Bids

The first paragraph of Section 1-03.1 is revised to read as follows:

(December 30, 2022 APWA GSP)
After opening and reading proposals, the Contracting Agency will check them for correctness of extensions of the prices per unit and the total price. If a discrepancy exists between the price per unit and the extended amount of any bid item, the price per unit will control. If a minimum bid amount has been established for any item and the bidder's unit or lump sum price is less than the minimum specified amount, the Contracting Agency will unilaterally revise the unit or lump sum price, to the minimum specified amount and recalculate the extension. The total of extensions, corrected where necessary, including sales taxes where applicable and such additives and/or alternates as selected by the Contracting Agency, will be used by the Contracting Agency for award purposes and to fix the Awarded Contract Price amount and the amount of the contract bond.

Identical Bid Totals

Section 1-03.1(1) is revised to read as follows:

(December 30, 2022 APWA GSP)
After opening Bids, if two or more lowest responsive Bid totals are exactly equal, then the tie-breaker will be the Bidder with an equal lowest bid that proposed to use the highest percentage of recycled materials in the Project, per the form submitted with the Bid Proposal. If those percentages are also exactly equal, then the tie-breaker will be determined by drawing as follows: Two or more slips of paper will be marked as follows: one marked "Winner" and the other(s) marked "unsuccessful". The slips will be folded to make the marking unseen. The slips will be placed inside a box. One authorized representative of each Bidder shall draw a slip from the box. Bidders shall draw in alphabetic order by the name of the firm as registered with the Washington State Department of Licensing. The slips shall be unfolded and the firm with the slip marked "Winner" will be determined to be the successful Bidder and eligible for Award of the Contract. Only those Bidders who submitted a Bid total that is exactly equal to the lowest

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responsive Bid, and with a proposed recycled materials percentage that is exactly equal to the highest proposed recycled materials amount, are eligible to draw.

Execution of Contract

Section 1-03.3 is revised to read as follows:

(COB 2-25)
Within 3 calendar days of Award date (not including Saturdays, Sundays and Holidays), the successful Bidder shall provide the information necessary to execute the Contract to the Contracting Agency. The Bidder shall send the contact information, including the full name, email address, and phone number, for the authorized signer and bonding agent to the Contracting Agency.

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

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

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

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

Contract Bond

The first two sentences of the first paragraph of Section 1-03.4 are revised to read:

(COB 1-15)
The successful Bidder shall provide executed Payment and Performance Bonds, each for the full Contract amount. These Bonds shall:

The first paragraph of Section 1-03.4 is supplemented with the following:

(COB 1-15)

6. Be accompanied by a power of attorney for the Surety's officer empowered to sign the bond; and
7. 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 must be signed by the president or vice-president, unless accompanied by written proof of the authority

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of the individual signing the bond to bind the corporation (i.e., corporate resolution, power of attorney or a letter to such effect by the president or vice-president).

Judicial Review

Section 1-03.7 is revised to read as follows:

(December 30, 2022 APWA GSP)

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

1-04 SCOPE OF THE WORK

Coordination of Contract Documents, Plans, Special Provisions, Specifications, and Addenda

The second paragraph of Section 1-04.2 is revised to read as follows:

(COB 12-19)

Any inconsistency in the parts of the contract shall be resolved by following this order of precedence (e.g., 1 presiding over 2, 3, 4, 5, 6, and 7; 2 over 3, 4, 5, 6, and 7; and so forth):

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

Changes

(January 19, 2022 APWA GSP)

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

Section 1-04.4 is supplemented with the following:

(COB 9-18)

Unforeseen Utility Conflicts

Unforeseen utility conflicts shall consist of addressing conflicts of existing utilities that were not anticipated at the time of bid or as shown in the Plans. Work under this item shall be approved by the Engineer prior to the start of work.

Payment

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

"Unforeseen Utility Conflicts", by force account as provided in Section 1-09.6.

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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.

1-05 CONTROL OF WORK

Authority of the Engineer

Oral Order

Section 1-05.1(1) is supplemented with the following:

(COB 04-25)

Oral Agreements

No oral order or agreement with any officer, agent, or employee of the Contracting Agency, either before or after execution of the contract, shall affect or modify any of the terms or obligations contained in any of the documents comprising the contract. Such oral order or agreement shall be considered as unofficial information and in no way binding upon the Contracting Agency, unless subsequently put in writing and signed by the Contracting Agency.

Requests for Information (RFI)

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

(November 4, 2024)

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

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

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

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

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

Conformity With and Deviations From Plans and Stakes

Section 1-05.4 is supplemented with the following:

(COB 4-23)

The Contractor shall provide all construction staking necessary to complete the project and to correctly guide daily construction activities. All surveying shall be done in

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accordance with the WSDOT Construction Manual standards of care and standards and practice. All surveying shall be performed under the supervision of a Professional Land Surveyor registered in the State of Washington.

Survey Control Provided by the Contracting Agency

The following primary survey control will be provided by the Engineer:

1. Major centerline points of curvature and points of tangency or angle points.
2. Project bench marks for vertical control at approximately 600-foot intervals.
3. Locations for placement of survey monumentation as part of the final phase of the project.

The Contractor shall provide all survey controls except as specified herein, including but not limited to horizontal and vertical control, as necessary to ensure proper placement of items as designated in the Plans.

The Contractor shall provide clearing limits and centerline stationing at 50-foot maximum intervals as shown in the Plans one week prior to the commencement of construction activities.

The Contractor shall provide subgrade bluetops set at 50-foot maximum intervals when necessary.

Errors in Contractor Supplied Surveying

The Engineer may verify survey work being performed by the Contractor. If errors are found the Contractor shall correct the errors, which may include removal and replacement of incorrectly installed improvements. All costs incurred in correcting the work shall be at the Contractor's own expense.

The Contractor shall direct questions regarding the correct interpretation of provided survey points or data to the Engineer. Failure to correctly interpret and utilize the primary survey control or Plans as provided by the Engineer, shall not constitute justification by the Contractor for extra work, or causation for not replacing or repairing incorrect work at the Contractor's expense.

In order to provide remedial measures, the Contractor shall immediately notify the Engineer, in writing, of any survey discrepancies that are discovered during the course of the project.

The Engineer may determine that the survey work being provided is insufficient for the work being performed. The Contractor shall provide survey work where necessary to correct the insufficiency, as part of the lump sum bid price for Construction Surveying. No other compensation will be made.

Survey Documentation

All survey control including record drawings shall be accurately referenced to the City of Bellevue Survey Control Network (COBSCN) by field ties to at least two (COBSCN) monuments. All elevations shall be referenced to said COBSCN (Note: This may not be the same datum as the design).

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Construction Staking Notes

All construction staking activities shall be documented in hard cover or electronic survey field books. The notes shall be neat, orderly and clearly legible. The field books will include dates, page titles, page numbering, indexing and all pertinent data consistent with standard survey practices. Field books shall be readily available for inspection by the Engineer. Upon completion of the project all field books shall become the property of the Contracting Agency.

(COB 1-24)

Record Drawings of Improvements and Existing Underground Facilities

The Contractor shall maintain on site, at all times, a full-size set of contract drawings on which changes and discovered underground structures shall be shown with redlines. Redlines shall show the location, both horizontal and vertical, of the changed installation or discovered underground structure. All record drawing information shall be shown in station, offset and elevation within one tenth (0.1') of a foot. The record drawing information shall be referenced to the construction centerline stationing and project elevations. The redline drawings shall also show the size, type and composition of the structure as appropriate. These redline drawings shall be updated daily or as changes occur or underground structures are discovered. The Contractor shall make the redline plans available to the inspector upon request.

The redline drawings shall be legible and include information for all Work included in the Contract and existing structures that are encountered.

At completion of construction the Contractor shall consolidate all redline information from the redline working drawings to a final set of Record Drawings. Record Drawings shall consist of two document files. One file shall be a full-size set of redline drawings in portable document format (PDF) showing all revisions made during the construction of the project and shall include as-built survey data of revisions to all underground facilities. The second file shall be in a format compatible with AutoCAD and shall provide surveyed elevations, stations, and offsets of all new and modified subsurface sanitary sewer, storm, and water facilities and their surface features in accordance with the current version of the City of Bellevue Utilities Department Engineering Standards at the time of bid. Survey data and the AutoCAD file are not required when the project does not include underground utilities.

The final Record Drawings shall be submitted to the Engineer as the final product. Payment for the record drawings and related survey will be made under the pay item "Record Drawings and Survey".

(COB 1-23)

Bridge and Structure Surveys

For all structural work such as bridges and retaining walls, the Contractor shall retain as a part of Contractor's organization an experienced professional land surveyor.

The Contractor shall provide all secondary survey controls and staking; including but not limited to horizontal and vertical control, as necessary to assure proper placement of all bridge and structures as shown in the Plans. Survey work shall be within the following tolerances relative to project primary control:

Stationing	+.01 foot
Alignment	+.01 foot (between successive points)
Superstructure Elevations	+.01 foot (from plan elevations)

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Substructure Elevations	+.05 foot (from plan elevations)

During the progress of the work, the Contractor shall make available to the Engineer all field books including survey information, footing elevations, cross sections and quantities.

The Contractor shall be fully responsible for the close coordination of field locations and measurements with appropriate dimensions of structural members being fabricated.

Payment

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

(COB 9-19)
"Construction Surveying", lump sum.

The lump sum contract price for "Construction Surveying" shall be full pay for furnishing all tools, equipment, labor, materials and supplies necessary to accomplish the survey work, with the exception of work included in the lump sum pay item "Record Drawings and Survey" when included in the project.

(COB 5-18)
"Record Drawings and Survey", lump sum.

The lump sum contract price for "Record Drawings and Survey" shall be full pay for furnishing all tools, equipment, labor, materials and supplies necessary to accomplish the work.

Removal of Defective and Unauthorized Work

Section 1-05.7, including title and subsections, is deleted and replaced with the following:

(November 4, 2024)

Nonconforming Work

The Contracting Agency will not pay for Nonconforming Work.

Nonconforming Work is Work that in any way fails to meet the requirements of the Contract. This includes, but is not limited to:

- Work that does not conform to Contract requirements
- Work that does not meet Contract requirements
- Work done beyond the lines and grades set by the Plans or the Engineer
- Extra Work and materials furnished without the Engineer's written approval
- Defective Work
- Noncompliant Work
- Nonconforming Work
- Out of specification Work

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- Rejected Work
- Unacceptable Work
- Unauthorized Work
- Unsuitable Work
- Unsatisfactory Work

Identification of Nonconforming Work

The Contractor is responsible for quality control and shall identify all Nonconforming Work. The Contracting Agency may also identify Nonconforming Work during inspection of Work that has been completed, is at an identified hold point, or has been identified by the Contractor as ready for inspection. However, failure by the Contracting Agency to identify Nonconforming Work shall not relieve the Contractor from their responsibility for the quality of the Work, nor shall it constitute acceptance or approval of the Nonconforming Work.

Reporting of Nonconforming Work

Unless otherwise specified, the Contractor shall immediately report all Nonconforming Work to the Engineer along with any relevant information about how the Nonconforming Work shall be remediated. The Contractor shall be responsible and bear all costs for remediating Nonconforming Work.

If the Contract requires the use of the WSDOT Unifier system for Document Control in accordance with Section 1-04.2, reporting and remediation submittals shall follow the "Nonconformance Report" business process in Unifier.

Remediation of Nonconforming Work

Remediation to correct Nonconforming Work shall be completed as soon as possible. However, unless otherwise specified, the Contractor shall not proceed with implementing the remedy until the Engineer has accepted the Contractor's proposed remedy. Any remedial work done prior to the Engineer's acceptance shall be at the Contractor's sole risk and will be subject to further rejection or remediation. The Engineer has the right to reject all or part of the Nonconforming Work, and the Engineer's decision is final and not subject to protest.

Remediation shall be classified in one of the following categories:

1. Rework to Contract requirements
2. Remove and replace
3. Repair to acceptable standards

When disputes occur over which category a remedy belongs, the Engineer's decision will be final and binding.

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Rework to Contract Requirements

To be considered rework, the design and construction standards of the proposed completed Work, in the sole judgment of the Engineer, shall meet the design and construction standards applicable to the project.

Reporting of Nonconforming Work that is reworked is not required if all of the following conditions are met:

1. The remediation shall be completed in the same shift as the Nonconforming Work was identified.

2. It shall be remedied without damaging other Work.

3. It shall be remedied without putting the public at risk.

4. The Contractor's proposed remedy is in accordance with the Contract requirements.

5. The Engineer does not request the Nonconforming Work be reported.

Examples of Nonconforming Work that may not need reported if reworked include:

- Missing dobies prior to concrete pouring

- Rebar spacing and missing rebar

- Out of plumb luminaire or sign pole/post

For all other rework the Contractor shall submit all relevant information to the Engineer. The Contractor shall include Type 2 Working Drawings. The Type 2 Working Drawings shall explain how the nonconforming work will be reworked including repairs that will achieve the Contract requirements. For preapproved repair procedures, Type 1 Working drawings shall be included in lieu of the Type 2 Working Drawings.

Remove and Replace

To be considered as remove and replace, the Nonconforming Work shall be removed and replaced and the design and construction standards of the proposed completed Work, in the sole judgment of the Engineer, shall meet the design and construction standards applicable to the project.

Reporting of Nonconforming Work that is removed and replaced is not required if all of the following conditions are met:

1. The remedy shall be completed in the same shift the Nonconforming Work was identified.

2. It shall be removed and replaced without damaging other Work.

3. Both the removal and the replacement meet all Contract requirements.

4. The Engineer does not request the Nonconforming Work be reported.

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Examples of Nonconforming Work that may not need reported if removed and replaced include:

- Decompacting and recompacting a lift of embankment to meet compaction requirements

- Removing and replacing an installed and dented luminaire pole with a new one.

For all other remove and replace Work, the Contractor shall submit all relevant information, including Working Drawings of the Type requested by the Engineer.

The Working Drawings shall include how the nonconforming Work will be removed and replaced including protection of other Work if needed. Type 2 Working Drawings shall be required, unless the remediation requires engineering, in which case, Type 2E Working Drawings shall be provided.

Repair to an Acceptable Standard
At the Contractor's written request, the Engineer may approve remediation that includes repairing to an acceptable standard that does not meet the Contract requirements with an appropriate price reduction that may range from no reduction to no payment.

To request to repair Nonconforming work to an acceptable standard, the Contractor shall submit all relevant information. Remedies proposed for this category shall include Type 2E Working Drawings. The Type 2E working drawings shall indicate whether the Work, as repaired, will achieve the same load carrying capacity, and shall assess the effects of the repair on the durability of the Work. Calculations shall be provided to demonstrate that the Work, as repaired, will perform the intended functions for its intended design life.

Nonconforming Work

Section 1-05.7 is supplemented with the following:

(October 1, 2005 APWA GSP)
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

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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.

Final Inspection

Section 1-05.11 is revised to read as follows:

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

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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.

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Superintendents, Labor, and Equipment of Contractor

(August 14, 2013 APWA GSP)
The sixth and seventh paragraphs of Section 1-05.13 are deleted.

Cooperation with Other Contractors

(******)
Section 1-05.14 is supplemented with the following:

The Contractor shall coordinate the proposed Work schedule within the easement areas obtained by the City with Sound Transit Property Management at propertymanagement@soundtransit.org and Sound Transit's Link Control Center at LinkTrackAccess@soundtransit.org or 206.205.8177 to avoid any conflicts with Sound Transit's construction and/or operations.

Method of Serving Notices

The second paragraph of Section 1-05.15 is revised to read as follows:

(January 4, 2024 APWA GSP)
All correspondence from the Contractor shall be served and directed to the Engineer. All correspondence from the Contractor constituting any notification, notice of protest, notice of dispute, or other correspondence constituting notification required to be furnished under the Contract, must be written in paper format, hand delivered or sent via certified mail delivery service with return receipt requested to the Engineer's office. Electronic copies such as e-mails or electronically delivered copies of correspondence will not constitute such notice and will not comply with the requirements of the Contract.

Section 1-05 is supplemented with the following:

(October 1, 2005 APWA GSP)
Water and Power
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 CONTROL OF MATERIAL

Section 1-06 is supplemented with the following:

Buy America Requirements

(October 1, 2025)
General Requirements
In accordance with Buy America requirements contained in 23 CFR 635.410 and 2 CFR 184, the following materials must be produced in the United States:

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1. All Iron or Steel Products used in the project. This means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States.

2. All Manufactured Products used in the project. This means the manufactured product was manufactured (final assembly) in the United States.

3. All Construction Materials used in the project. This means that all manufacturing processes for the construction material occurred in the United States.

An article, material, or supply will be classified in one of four categories: 1) Iron or Steel Product, 2) Manufactured Product, 3) Construction Material, or 4) Excluded Material. Only a single category will apply to an item except as follows:

1. With respect to precast concrete products that are classified as Manufactured Products, the components of precast concrete products that consist wholly or predominantly of iron, steel, or combination of both shall meet the requirements for and be tracked as an Iron or Steel Product. The item shall also meet the requirements for and be tracked as a Manufactured Product.

2. With respect to intelligent transportation systems and other electronic hardware systems that are classified as Manufactured Products, the cabinets or other enclosures of such systems that consist wholly or predominantly of iron, steel, or a combination of both, shall meet the requirements for and be tracked as an Iron or Steel Products. The item shall also meet the requirements for and be tracked as a Manufactured Product.

Some contract items are composed of multiple parts that may fall into different categories. Individual components will be categorized as a Construction Material, a Manufactured Product, an Iron or Steel Product, or an excluded material based on their composition when they arrive at the staging area or work site.

Definitions

1. Construction Material: Defined as any article, material, or supply brought to the construction site for incorporation into the final product. Construction materials include an article, material, or supply that is or consists primarily of:

   a. Non-ferrous metals including all manufacturing processes, from initial smelting or melting through final shaping, coating, and assembly;

   b. Plastic and polymer-based products including all manufacturing processes, from initial combination of constituent plastic or polymer-based inputs, or, where applicable, constituent composite materials, until the item is in its final form);

   c. Glass including all manufacturing processes, from initial batching and melting of raw materials through annealing, cooling, and cutting);

   d. Fiber optic cable (includes drop cable) including all manufacturing processes, from initial ribboning (if applicable), through buffering, fiber stranding and jacketing, (fiber optic cable also includes the standards for glass and optical fiber);

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e. Optical fiber including all manufacturing processes, from the initial preform fabrication stage, though the completion of the draw;

f. Lumber including all manufacturing processes, from initial debarking through treatment and planing;

g. Drywall including all manufacturing processes, from initial blending of mined or synthetic gypsum plaster and additives through cutting and drying of sandwiched panels; or

h. Engineered wood including all manufacturing processes from the initial combination of constituent materials until the wood product is in its final form.

If a Construction Material is not manufactured in the United States it shall be considered a Foreign Construction Material.

2. Excluded Material: A material where Buy America requirements do not apply. This includes the following:

a. Materials excluded by Section 70917(c) of the Buy America, Build America Act with respect to aggregates this includes cement and cementitious materials, aggregates such as stone, sand, or gravel or aggregate binding agents or additives. These materials shall be classified as excluded materials based on the composition when brought to the work site. It also includes combinations of these excluded materials when mixtures of Excluded Materials are delivered to the work site without final form for incorporation into the project (i.e. wet concrete and HMA). If they are formed prior to delivery, they are a Manufactured Product and not an Excluded Material.

b. Temporary materials that are not being permanently incorporated into the project.

c. Raw or minimal processed materials where the article, material, or supply does not fall into any of the categories, as it is not a Manufactured Product, an Iron or Steel Product, or a Construction Material and when these materials are delivered to the work site without final form for incorporation into the product (i.e. seed mix and topsoil). If they are formed prior to delivery, and are not an Iron or Steel Product or a Construction Material, they are a Manufactured Product and not an Excluded Material.

3. Iron or Steel Product: An article, material, or supply that consist of wholly or predominantly of iron or steel or a combination of both. To be considered predominantly of iron or steel or a combination of both means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. The cost of iron and steel is based on a good faith estimate of the cost of the iron or steel components.

4. Manufactured Product: A Manufactured Product includes any item produced as a result of the manufacturing process. Items that should be treated as a manufactured product (rather than a construction material) are: 1) items that consist of two or more of the listed construction materials that have been combined together through a manufacturing process, and 2) items that include at least one of the listed

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construction materials as defined above, combined with a material that is not listed through a manufacturing process.

If a product is not an Iron or Steel Product, a Construction Material, or an Excluded Material, it is a Manufactured Product.

If a Manufactured Material is not manufactured in the United States, it shall be considered a Foreign Manufactured Product.

5. United States: To further define the coverage, a domestic product is a manufactured steel construction material that was produced in one of the 50 states, the District of Columbia, Puerto Rico, or in the territories and possessions of the United States.

Iron or Steel Product Requirements

Iron or Steel Products that are permanently incorporated into the project shall consist of American-made materials only. Buy America requirements do not apply to temporary steel or iron items, e.g., temporary sheet piling, temporary bridges, steel scaffolding and falsework.

Minor amounts of foreign steel and iron may be utilized in this project provided the cost of the foreign material used does not exceed one-tenth of one percent of the total contract cost or $2,500.00, whichever is greater.

American-made material is defined as material having all manufacturing processes occurring domestically.

If domestically produced steel billets or iron ingots are exported outside of the United States, as defined above, for any manufacturing process then the resulting product does not conform to the Buy America requirements. Additionally, products manufactured domestically from foreign source steel billets or iron ingots do not conform to the Buy America requirements because the initial melting and mixing of alloys to create the material occurred in a foreign country.

Manufacturing begins with the initial melting and mixing and continues through the coating stage. Any process which modifies the chemical content, the physical size or shape, or the final finish is considered a manufacturing process. The processes include rolling, extruding, machining, bending, grinding, drilling, welding, and coating. The action of applying a coating to steel or iron is deemed a manufacturing process. Coating includes epoxy coating, galvanizing, aluminizing, painting, and any other coating that protects or enhances the value of steel or iron. Any process from the original reduction from ore to the finished product constitutes a manufacturing process for iron.

Due to a nationwide waiver, Buy America requirements do not apply to raw materials (iron ore and alloys), scrap (recycled steel or iron), and pig iron ore processed, pelletized, and reduced iron ore.

The following are considered to be steel manufacturing processes:

1. Production of steel by any of the following processes:

    a. Open hearth furnace.

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b. Basic oxygen.

c. Electric furnace.

d. Direct reduction.

2. Rolling, heat treating, and any other similar processing.

3. Fabrication of the products:

a. Spinning wire into cable or strand.

b. Corrugating and rolling into culverts.

c. Shop fabrication.

A certification of materials origin will be required for all iron or steel products prior to such items being incorporated into the permanent work. The Contractor will not receive payment until the certification is received by the Engineer. The certification shall be on WSDOT Form 350-109 provided by the Engineer, or such other form approved by the Contracting Agency, provided it contains the same information as WSDOT Form 350-109.

Manufactured Products and Construction Material Requirements

A Contractor provided certification of materials origin will be required before each progress estimate or payment. The Contractor will not receive payment until the certification is received by the Engineer. The Contractor shall certify that all Manufactured Products and all Construction Materials installed during the current progress estimate period meet the Buy America requirements. The certification shall be on WSDOT Form 350-108 provided by the Engineer, or such other form approved by the Contracting Agency, provided it contains the same information as WSDOT Form 350-108.

Iron or Steel Products in a Manufactured Product

In addition to providing the certification of materials origin for the Manufactured Product, the iron or steel products in a manufactured product are subject to the Buy America requirements as follows:

1. When a precast concrete product is classified as a Manufactured Product, the components that are an Iron or Steel Product shall follow the “Iron or Steel Requirements” of this Specification.

2. When an electronic hardware system such as an intelligent transportation system is classified as a Manufactured Product, the cabinets and the other enclosures of such systems that are an Iron or Steel Product shall follow the “Iron or Steel Requirements” of this Specification.

Waiver for De Minimis Costs

Minor amounts of Foreign Construction Materials and Foreign Manufactured Products may be utilized in this project, provided that the total cost of the Foreign Construction Materials and Foreign Manufactured Products does not exceed $1,000,000 and does not exceed 5 percent of the total applicable material costs calculated as follows:

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$$\frac{Total\ cost\ of\ Foreign\ Construction\ Materials + Total\ cost\ of\ Foreign\ Manufactured\ Products}{Total\ applicable\ material\ costs} < 0.05$$

The total applicable material costs shall be the sum of the costs of all Construction Materials, all Iron or Steel Products, and all Manufactured Products. Total applicable material costs does not include Excluded Materials.

Acceptance of Materials

Financial Incentive

The first sentence of Section 1-06.2(2)B is revised to read as follows:

(January 4, 2024 APWA GSP)
The maximum Composite Pay Factor shall be 1.00.

Recycled Materials

Section 1-06.6 is deleted in its entirety and revised to read as follows:

(January 4, 2016 APWA GSP)
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 WSDOT form 350-075 Recycled Materials Reporting.

1-07 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

Laws to be Observed

Section 1-07.1 is supplemented with the following:

(COB 5-25)
The Contractor shall comply with the following environmental provisions, which are made a part of the Contract Documents:

Regulation I. Puget Sound Air Pollution Control Agency
Regulation II. Puget Sound Air Pollution Control Agency
King County Solid Waste Code - Chapter 10.04 et al.
King County Noise Code - Noise Control
Bellevue City Code: Chap. 23.76 - Clearing and Grading
Bellevue City Code: Chap. 9.18 - Noise Control

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

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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.

(*****)

Unmanned Aircraft Systems (UAS)

The procurement and/or use of any drone (UAS) on this Contract shall comply with the following directives:

- National Defense Authorization Act (NDAA) – American Security Drone Act of 2023 (ASDA, Pub. L. No. 118-31).
- Office of Management and Budget Memorandum M-26-02 – Restrictions on using federal funds to purchase or operate prohibited foreign UAS.
- Federal Acquisition Regulation Clause 52.240-1 – Prohibition on Unmanned Aircraft Systems Manufactured or Assembled by American Security Drone Act-Covered Foreign Entities.

Contractors, subcontractors, and lower tier subcontractors shall not procure or operate prohibited UAS manufactured or assembled by "covered foreign entities" as defined in the Federal Acquisition Security Council (FASC) in the performance of this Contract.

State Taxes

State Sales Tax: WAC 458-20-171 – Use Tax

The last paragraph of Section 1-07.2(1) is revised to read as follows:

(COB 3-25)

All items in the Bid Proposal Tables are subject to the Use Tax under Section 1-07.2(1) unless otherwise identified.

Permits and Licenses

Section 1-07.6 is supplemented with the following:

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(COB 8-04)
The following permits have been initiated or obtained by the Contracting Agency and copies can be found in the Appendix.

(COB 5-25)
Right-of-Way Use Permits
The Contracting Agency has initiated a General Construction Right-of-Way Use Permit (see Appendix). A copy of this permit will be provided to the Contractor prior to the commencement of work.

When oversize and overweight Right-of-Way Use Permits are required—including permits from other jurisdictions along the haul route such as WSDOT, other counties, and local agencies, they shall be obtained by the Contractor at the Contractor's sole expense.

Right-of-Way Use Permits may be obtained through www.MyBuildingPermit.com.

(COB 1-23)
Clearing and Grading Permit
The Contracting Agency has obtained a Clearing and Grading Permit for this project. The Contractor shall comply with all provisions of the permit.

An additional Clearing and Grading Permit may be required for the Contractor's staging area, stockpiles and waste sites. Clearing and Grading Permits may be obtained through www.MyBuildingPermit.com.

(******)
USACE Nationwide Permit 42
The Contracting Agency has obtained a Nationwide Permit 42 from USACE. A copy of this permit is included in Appendix D of these specifications.

No modifications to this permit are allowed under the Contract. The Contractor shall comply with all provisions of the permit while completing the Work on the Project.

(COB 2-15)
Construction Stormwater General Permit
The Contracting Agency has applied for Coverage under the Construction Stormwater NPDES Permit from the Washington State Department of Ecology. The day-to-day operational control of the Site will be transferred to the Contractor upon award of the contract. The Contractor shall comply with all provisions of the permit. The Contractor shall also be responsible for submitting monthly discharge reports using Ecology's WQWebDMR System. Payment for submitting monthly discharge reports will be covered under the bid items in Section 8-01.

(******)
Sound Transit Track Access Permit
Prior to the Contractor accessing or doing any Work on the easements acquired by the City on Sound Transit property, the Contractor shall apply for and obtain a Link Track Access Permit. A permit request form may be obtained by contacting LinkTrackAccess@soundtransit.org. This permit may take several months to obtain.

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(COB 8-04)
The Contractor shall obtain, at no cost to the Contracting Agency, all other required permits and shall provide the Engineer with one copy of each permit.

High-Visibility Apparel

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

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

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

Traffic Control Personnel

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

(September 16, 2025)
All personnel performing the Work described in Section 2-04 (including traffic control supervisors, flaggers, and others performing traffic control labor of any kind) shall comply with the following:

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

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

Wages

General

Section 1-07.9(1) is supplemented with the following:

(January 6, 2026)
The Federal wage rates incorporated in this contract have been established by the Secretary of Labor under United States Department of Labor General Decision No.WA20260001.

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The State rates incorporated in this contract are applicable to all construction activities associated with this contract.

Required Documents

Section 1-07.9(5)A is revised to read:

(July 8, 2024 APWA GSP)

General

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

Requirements for Nondiscrimination

Section 1-07.11 is supplemented with the following:

(May 5, 2025)

Requirement for Affirmative Action to Ensure Equal Employment Opportunity

In accordance with 41 CFR § 60-4.2, the clauses contained in 1-4 below are required to be included in this Contract. Nothing in this contract alters the Contractor's responsibility to comply with all applicable Federal regulations, including but not limited to 41 CFR part 60 as currently existing or later amended.

1. The Contractor's attention is called to the "Equal Opportunity Clause and the Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.

2. The goals and timetables for minority and female participation set by the Office of Federal Contract Compliance Programs, expressed in percentage terms for the Contractor's aggregate work force in each construction craft and in each trade on all construction work in the covered area, are as follows:

Women - Statewide

Timetable	Goal
Until further notice	6.9%

Minorities - by Standard Metropolitan Statistical Area (SMSA)

Spokane, WA:

SMSA Counties:

Spokane, WA 2.8

WA Spokane.

Non-SMSA Counties 3.0

WA Adams; WA Asotin; WA Columbia; WA Ferry; WA Garfield; WA Lincoln, WA Pend Oreille; WA Stevens; WA Whitman.

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Richland, WA
SMSA Counties:
Richland Kennewick, WA 5.4
WA Benton; WA Franklin.
Non-SMSA Counties 3.6
WA Walla Walla.

Yakima, WA:
SMSA Counties:
Yakima, WA 9.7
WA Yakima.
Non-SMSA Counties 7.2
WA Chelan; WA Douglas; WA Grant; WA Kittitas; WA Okanogan.

Seattle, WA:
SMSA Counties:
Seattle Everett, WA 7.2
WA King; WA Snohomish.
Tacoma, WA 6.2
WA Pierce.
Non-SMSA Counties 6.1
WA Clallam; WA Grays Harbor; WA Island; WA Jefferson; WA Kitsap; WA Lewis; WA Mason; WA Pacific; WA San Juan; WA Skagit; WA Thurston; WA Whatcom.

Portland, OR:
SMSA Counties:
Portland, OR-WA 4.5
WA Clark.
Non-SMSA Counties 3.8
WA Cowlitz; WA Klickitat; WA Skamania; WA Wahkiakum.

These goals are applicable to each nonexempt Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a Federal, or federally assisted project, contract, or subcontract until further notice. Compliance with these goals and timetables is enforced by the Office of Federal Contract compliance Programs.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, in each construction craft and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

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3. The Contractor shall provide written notification to the Office of Federal Contract Compliance Programs (OFCCP) within 10 working days of award of any construction subcontract in excess of $10,000 or more that are Federally funded, at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed. The notification shall be sent to:

U.S. Department of Labor
Office of Federal Contract Compliance Programs Pacific Region
Attn: Regional Director
San Francisco Federal Building
90 – 7th Street, Suite 18-300
San Francisco, CA 94103(415) 625-7800 Phone
(415) 625-7799 Fax

4. As used in this Notice, and in the contract resulting from this solicitation, the Covered Area is as designated herein.

In accordance with 41 CFR § 60-4.3, the clauses contained in 1-15 below are required to be included in this Contract. Nothing in this Contract alters the Contractor's responsibility to comply with all applicable Federal regulations, including but not limited to 41 CFR part 60 as currently existing or later amended.

Standard Federal Equal Employment Opportunity Construction Contract Specifications

1. As used in these specifications:

   a. "Covered Area" means the geographical area described in the solicitation from which this contract resulted;

   b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;

   c. "Employer Identification Number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;

   d. "Minority" includes:

      (1) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);

      (2) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central American, South American, or other Spanish culture or origin, regardless of race);

      (3) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and

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(4) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification.)

2. Whenever the Contractor, or any subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of $10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.

3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through 7p of this Special Provision. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.

5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.

6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.

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7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:

    a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.

    b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

    c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractor may have taken.

    d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.

    e. Develop on-the-job training opportunity and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the U.S. Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.

    f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin

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boards accessible to all employees at each location where construction work is performed.

g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with on-site supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.

h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.

i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

j. Encourage present minority and female employees to recruit other minority persons and women and where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's work force.

k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

l. Conduct, at least annually, an inventory and evaluation of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.

m. Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.

n. Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.

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o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.

p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.

8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through 7p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of the obligations under 7a through 7p of this Special Provision provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensure that the concrete benefits of the program are reflected in the Contractor's minority and female work-force participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrate the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.

9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, sexual orientation, gender identity, or national origin.

11. The Contractor shall not enter into any subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.

12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspensions, terminations and cancellations of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.

13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of this Special Provision, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with

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the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.

14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the government and to keep records. Records shall at least include, for each employee, their name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, the Contractors will not be required to maintain separate records.

15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

Additional assistance for Federal Construction Contractors on contracts administered by Washington State Department of Transportation or by Local Agencies may be found at:

Washington State Dept. of Transportation
Office of Equity and Civil Rights
PO Box 47314
310 Maple Park Ave. SE
Olympia WA
98504-7314
Ph: 360-705-7090
Fax: 360-705-6801
http://www.wsdot.wa.gov/equalopportunity/default.htm

Federal Small Business Enterprise Participation

1-07.11 is supplemented with the following:

(November 14, 2025, APWA GSP Option D)

The Federal Small Business Enterprise (FSBE) Program is an element of the Disadvantaged Business Enterprise (DBE) in accordance with the requirements of 49 CFR Part 26.39. Failure to comply with the requirements of this Specification may result in sanctions as provided by the Contract.

FSBE 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.

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

Certified Firm Directory – A database of all Disadvantaged Business Enterprises, including those identified as a FSBE, currently certified by Washington State. The on-line Directory is available to Bidders for their use in identifying and soliciting interest from FSBE firms. The database is located under the Firm Certification section of the Diversity Management and Compliance System web page at: https://omwbe.diversitycompliance.com.

Firms certified by OMWBE as SBE, DBE can be used to fulfill the FSBE mandatory goal on a project.

Commercially Useful Function (CUF) – 49 CFR 26.55(c)(1) defines commercially useful function as: "A FSBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by performing, managing, and supervising the work involved. To perform a commercially useful function, the FSBE 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 FSBE 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 performing and the DBE credit claimed for its performance of the work, and other relevant factors."

FSBE – A firm certified by OMWBE as meeting Federal requirements of a small business enterprise. All firms on the OMWBE Certified Firm Directory with the designation of SBE or DBE are FSBEs.

Good Faith Efforts – Efforts to achieve the FSBE Goal or other requirements of this part which, by their scope, intensity, and appropriateness to the objective, can reasonably be expected to fulfill the program requirement.

Manufacturer (FSBE) – A FSBE 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 FSBE 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.

Reasonable Fee (FSBE) – For purposes of Brokers or service providers a reasonable fee shall not exceed 5% of the total cost of the goods or services brokered.

Regular Dealer (FSBE) – A FSBE 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 FSBE firm must be an established regular business that engages in as its principal

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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 people who arrange or expedite transactions shall not be regarded as Regular Dealers within the meaning of this definition.

FSBE Goal

The Contracting Agency has established an FSBE Goal for this Contract in the amount of: *** 10%***.

Crediting FSBE Participation

All FSBE subcontractors shall be certified before the subcontract on which they are participating is executed.

FSBE participation is only credited upon payment to the FSBE.

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

FSBE 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 FSBE Prime Contractor performs with its own forces and is certified to perform.

FSBE Subcontractor

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

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

FSBE credit will not be given in instances where the equipment lease includes the operator. The FSBE 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 FSBE, but payment is deducted from the Contractor's payment to the FSBE is not allowed.

When the subcontractor is an FSBE, the following apply:

1. If a FSBE subcontracts a portion of the Work of its contract to another firm, the value of the subcontracted Work may be counted toward the FSBE Goal only if the lower-tier subcontractor is also a FSBE.

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2. Work subcontracted to a non-FSBE does not count towards the FSBE Goal nor FSBE participation.

FSBE 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 FSBE.

FSBE Service Provider

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

If the FSBE firm is being utilized in the capacity of "Traffic Control Services", the FSBE 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.

Trucking

FSBE trucking firm participation may only be credited as FSBE participation for the value of the hauling services, not for the materials being hauled unless the trucking firm is also certified as a supplier of those materials. In situations where the FSBE's work is priced per ton, the value of the hauling service must be calculated separately from the value of the materials to determine FSBE credit for hauling

The FSBE 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 FSBE 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 FSBE may lease additional trucks from another FSBE firm. The FSBE who leases additional trucks from another FSBE firm receives credit for the value of the transportation services the lessee FSBE provides on the Contract.

The trucking Work subcontracted to any non-FSBE trucking firm will not receive credit for Work done on the project.

The FSBE may lease trucks from a truck leasing company (recognized truck rental center) but can only receive credit towards FSBE participation if the FSBE uses its own employees as drivers.

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FSBE Manufacturer and FSBE Regular Dealer

One hundred percent (100%) of the cost of the manufactured product obtained from a FSBE manufacturer can count as FSBE participation. If the manufacturer is an FSBE, participation may count towards the FSBE Goal.

Sixty percent (60%) of the cost of materials or supplies purchased from a FSBE Regular Dealer may be credited as FSBE Participation. If the role of the FSBE Regular Dealer is determined to be that of a Broker, then FSBE 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. If the regular dealer is a FSBE, participation may count towards the FSBE Goal.

FSBE firms proposed to be used as a Regular Dealer 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. For purposes of FSBE Goal participation, the Regular Dealer must submit the Regular Dealer Status Request form and receive approval prior to providing any equipment or materials or the signing of a purchase order, invoice, or subcontract.

Purchase of materials or supplies from a FSBE 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 FSBE 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 FSBE. The cost of the materials and supplies themselves cannot be counted toward as FSBE participation.

Good Faith Effort Documentation

GFE is evaluated at Physical Completion when determining whether the Contractor has satisfied its FSBE Goal.

The Contracting Agency will measure GFE using the guidance in 49 CFR Part 26, Appendix A. The following is a list of the types of actions which may be considered as part of the Contractor's GFE to achieve FSBE participation. It is not intended to be a mandatory checklist, nor is it intended to be exclusive or exhaustive. Other factors or types of effort may be relevant in appropriate cases.

1. Solicited through all reasonable and available means the interest of all certified FSBEs who had the capability to perform the Work of the Contract. The Contractor must have solicited this interest within sufficient time to allow the FSBEs to respond to the solicitation. The Contractor must have determined with certainty that the FSBEs were interested in taking appropriate steps to follow up initial solicitations with potential FSBEs.

2. Selected portions of the Work to be performed by FSBEs to increase the likelihood that the FSBE Goal will be achieved. This includes, where appropriate, breaking out contract Work items into economically feasible

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units to facilitate FSBE participation, even when the Contractor might otherwise prefer to perform these Work items with its own forces.

3. Provided interested FSBEs with adequate information about the Plans, Specifications, and requirements of the Contract in a timely manner to assist them in responding to a solicitation.

   a. Negotiated in good faith with interested FSBEs. It is the Contractor's responsibility to make a portion of the Work available to FSBE subcontractors and suppliers and to select those portions of the Work or material needs consistent with the available FSBE subcontractors and suppliers, to facilitate FSBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of FSBEs that were contacted; a description of the information provided regarding the Plans and Specifications for the Work selected for subcontracting; and evidence as to why additional agreements could not be reached for FSBEs to perform the Work.

   b. A Contractor using good business judgment would consider a number of factors in negotiating with FSBE subcontractors, including taking the firm's price and capabilities into consideration. The fact that there may be some additional costs involved in finding and using FSBEs is not considered a sufficient reason for a Bidder's failure to meet the FSBE Goal, if such costs are reasonable. Also, the ability or desire of a Contractor to perform the Work of a Contract with its own organization does not relieve the Contractor of the responsibility to make Good Faith Efforts. Contractors are not, however, required to accept higher quotes from FSBEs if the price difference was excessive or unreasonable.

4. Not rejecting FSBEs as being unqualified without sound reasons based on a thorough investigation of their capabilities. The Contractor's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the Contractor's efforts to meet the FSBE Goal.

5. Made efforts to assist interested FSBEs in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.

6. Made efforts to assist interested FSBEs in obtaining necessary equipment, supplies, materials, or related assistance or services.

7. Effectively used the services of available FSBE community organizations; FSBE contractors' groups; local, State, and Federal small business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of FSBEs.

8. Documentation of GFE must include copies of each FSBE and non-FSBE subcontractor quotes submitted to the Bidder when a non-FSBE subcontractor is selected over a FSBE for Work on the Contract.

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Procedures after Execution

Commercially Useful Function (CUF)

The Contractor may only take credit for the payments made for Work performed by a FSBE that is determined to be performing a CUF. Payment must be commensurate with the work performed by the FSBE. This applies to all FSBEs performing Work on a project, if the Contractor wants to receive credit for their participation. The Engineer will conduct CUF reviews to ascertain whether FSBEs are performing a CUF. A FSBE performs a CUF when it is carrying out its responsibilities of its contract by performing, managing, and supervising the Work involved. The FSBE must be responsible for negotiating price; determining quality and quantity; ordering the material, installing (where applicable); and paying for the material itself. If a FSBE 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 FSBE Goal. Leasing equipment from a leasing company is allowed. However, leasing/purchasing equipment from the Contractor is not allowed. Lease agreements shall be provided prior to the Subcontractor beginning Work. Any use of the Contractor's equipment by a FSBE may not be credited as countable participation.

The FSBE 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 to obtain the appearance of FSBE participation.

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

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

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

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

- Lease agreements for trucks shall indicate that the FSBE 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 FSBE, and the lease provides the FSBE absolute priority for use of the leased truck.

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

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Truck Unit Listing Log

In addition to the subcontracting requirements of Section 1-08.1, each FSBE trucking firm shall submit supplemental information consisting of a completed Primary DBE/FSBE Truck Unit Listing Log (WSDOT Form 350-077) and all Rental/Lease agreements (if applicable). The supplemental information shall be submitted in an electronic format to the Engineer prior to any trucking services being performed for FSBE credit. Incomplete or incorrect supplemental information will be returned for correction. The corrected Primary Truck Unit Listing Log and any Updated Primary Truck Unit Listing Logs shall be submitted and accepted by the Engineer no later than ten calendar days of utilizing applicable trucks. Failure to submit or update the DBE Truck Unit Listing Log may result in trucks not being credited as FSBE participation.

Each FSBE trucking firm shall complete a Daily Truck Unit Listing Log for each day that the FSBE performs trucking services for FSBE credit. The Daily Truck Unit Listing Log forms shall be submitted by Friday of the week after the Work was performed by email to the following email addresses:

*** TRContractAdmin@bellevuewa.gov
NWRegionOEO@wsdot.wa.gov ***

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 FSBE 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 FSBE involved using the DBE Joint Check Request Form (WSDOT Form #272-053) prior to its use. The form must accompany the FSBE 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 FSBE credit for performing a CUF with respect to obtaining materials and supplies, a FSBE must "be responsible for negotiating price, determining quality and quantity, ordering the material, 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 are not allowed. If proper procedures are not followed or the Engineer determines that the arrangement results in lack of independence for the FSBE involved, no FSBE credit will be given for the FSBE'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.

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Subcontracts
When FSBE is performing Work on the Contract, a copy of the executed subcontract between the Contractor and the FSBE subcontractor shall be submitted to WSDOT OECR. The executed subcontracts are submitted through the Diversity Management and Compliance System (DMCS) by uploading to the project documents tab.

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

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

Decertification
When a FSBE is "decertified" from the FSBE program during the Contract, the participation of that FSBE shall continue to count as FSBE participation if the subcontract with the FSBE was executed prior to the decertification notice. The Contractor cannot receive credit if a FSBE is decertified prior to having an executed subcontract agreement in place.

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

Federal Agency Inspection

Section 1-07.12 is supplemented with the following:

(October 3, 2023)
Required Federal Aid Provisions
The Required Contract Provisions Federal Aid Construction Contracts (FHWA 1273) Revised October 23, 2023 and the amendments thereto supersede any conflicting provisions of the Standard Specifications and are made a part of this Contract; provided, however, that if any of the provisions of FHWA 1273, as amended, are less restrictive than Washington State Law, then the Washington State Law shall prevail.

The provisions of FHWA 1273, as amended, included in this Contract require that the Contractor insert the FHWA 1273 and amendments thereto in each subcontract, together with the wage rates which are part of the FHWA 1273, as amended. Also, a clause shall be included in each subcontract requiring the subcontractors to insert the FHWA 1273 and amendments thereto in any lower tier subcontracts, together with the wage rates. The Contractor shall also ensure that this section, REQUIRED FEDERAL AID PROVISIONS, is inserted in each subcontract for subcontractors and lower tier subcontractors. For this purpose, upon request to the Engineer, the Contractor will be provided with extra copies of the FHWA 1273, the amendments thereto, the applicable wage rates, and this Special Provision.

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Utilities and Similar Facilities

Section 1-07.17 is supplemented with the following:

(******)

Utilities on Sound Transit Easements

Prior to any Work being done on the easements on Sound Transit property, the Contractor, in addition to contacting the one-number locator service, shall contact Sound Transit Facilities at 206.553.3789 or LinkFacilitiesST@soundtransit.org to locate existing utilities.

(COB 8-04)

Potholing

Potholing shall be performed at locations designated by the Engineer, and at locations proposed by the Contractor and approved by the Engineer.

Payment

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

"Potholing", by force account as provided in Section 1-09.6.

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

Public Liability and Property Damage Insurance

Section 1-07.18 is revised to read as follows:

(******)

Hold Harmless

The Contractor shall protect, defend, indemnify and save harmless the City, Sound Transit, King County their officers, employees and agents from any and all costs, claims, judgments or awards of damages, arising out of or in any way resulting from the negligent acts or omissions of the Contractor. The Contractor agrees that its obligations under this subparagraph extend to any claim, demand, and/or cause of action brought by, or on behalf of, any of its employees or agents. For this purpose, the Contractor, by mutual negotiation, hereby waives, as respects the City, Sound Transit, and King County only, any immunity that would otherwise be available against such claims under the Industrial Insurance provisions of Title 51 RCW. In the event the City, Sound Transit, or King County incurs any judgment, award, and/or cost arising therefrom, including attorneys' fees to enforce the provisions of this article, all such fees, expenses, and costs shall be recoverable from the Contractor.

The City shall protect, defend, indemnify and save harmless the Contractor, its officers, employees and agents from any and all costs, claims, judgments or awards of damages, arising out of or in any way resulting from the negligent acts or omissions of the City. The City agrees that its obligations under this subparagraph extend to any claim, demand, and/or cause of action brought by, or on behalf of, any of its employees or agents. For this purpose, the City, by mutual negotiation, hereby waives, as respects the Contractor only, any immunity that would otherwise be available against such claims under the Industrial Insurance provisions of Title 51 RCW. In the event the Contractor incurs any judgment, award, and/or cost arising therefrom including attorneys' fees to enforce the

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provisions of this article, all such fees, expenses, and costs shall be recoverable from the City.

Insurance Requirements

The Contractor shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors. The cost of such insurance shall be paid by the Contractor. Under no circumstances shall a wrap up policy be obtained, for either initiating or maintaining coverage, to satisfy insurance requirements for any policy required under this section. A wrap up policy is defined as an insurance agreement or arrangement under which all the parties working on a specified or designated project are insured under one policy for liability arising out of that specified or designated project.

Insurance shall meet or exceed the following unless otherwise approved by the City.

A. Minimum Insurance
   1. Commercial General Liability coverage with limits not less than $1,000,000 per occurrence / $2,000,000 annual aggregate,
   2. Stop Gap/Employers Liability coverage with limits not less than $1,000,000 per accident/disease,
   3. Business Automobile Liability coverage with limits not less than $1,000,000 per accident for any auto,
   4. Workers' Compensation coverage as required by the Industrial Insurance Laws of the State of Washington.

B. Self-Insured Retentions
   Self-insured retentions must be declared to the City. Any insurance or self-insurance beyond that specified in this Contract that is maintained by any named insured or additional insured shall be in excess of such insurance and shall not contribute with it.

C. Other Provisions
   1. Commercial General Liability policies shall be endorsed to:
      a. Include the City of Bellevue, Sound Transit, King County their officials, employees and volunteers as additional insureds,
      b. Provide that such insurance shall be primary as respects any insurance or self-insurance maintained by the City, Sound Transit, King County,
   2. Contractor or its Insurance Agent/Broker shall notify the City of any cancellation or reduction in coverage or limits, of any insurance within seven (7) days of receipt of insurer's notification to that effect.

D. Acceptability of Insurers
   Insurance shall be placed with insurers with an AM Best rating of A:VII or better.

E. Verification of Coverage
   Contractor shall furnish the City with certificates of insurance required by this clause. The certificates are to be received and approved by the City before work

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commences. The City reserves the right to require complete, certified copies of all required insurance policies at any time.

F. Subcontractors
Contractor shall require subcontractors to provide coverage which complies with the requirements stated herein.

Public Convenience and Safety

Construction Under Traffic

The third sentence of the second paragraph Section 1-07.23(1) is revised to read as follows:

(May 2, 2017 APWA GSP)
Accessibility to existing or temporary pedestrian push buttons shall not be impaired; if approved by the Contracting Agency activating pedestrian recall timing or other accommodation may be allowed during construction.

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

(COB 2-16)
The Contractor shall notify the following by phone five (5) days before beginning operations so that these agencies may reroute their vehicles.

Name	Number
Street Maintenance and Operations	(425) 452-7840
City Traffic Engineer	(425) 452-6856
City Fire/Medic One	(425) 452-6892
Bellevue School District Bus Garage	(425) 456-4534
Police Department	(425) 452-6917
Metro Construction Information Center	(206) 477-1140
Transportation – Construction Division	(425) 452-6966
State Department of Transportation	(206) 440-4471

Rights of Way

Section 1-07.24 is revised to read as follows:

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

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

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

Whenever easements or rights of entry have not been acquired prior to advertising, these areas are so noted in the Plans. The Contractor shall not proceed with any portion of the work in areas where right of way, easements or rights of entry have not been acquired until the Engineer certifies to the Contractor that the right of way or easement is available or that the right of entry has been received. If the Contractor is delayed due to acts of omission on the part of the Contracting Agency in obtaining easements, rights of entry or right of way, the Contractor will be entitled to an extension of time. The Contractor agrees that such delay shall not be a breach of contract.

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

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

Easements on Sound Transit Property

The City has obtained three easements (one temporary construction easement and two other permanent easements) on Sound Transit property adjacent to the project site as shown on the Plans. The following stipulations are requirements of the easement agreements with the City. There may be more stipulations than shown and some are located elsewhere in these Special Provisions; copies of the easement agreements will be made available to the Contractor upon request.

The Contractor shall complete all Work on Sound Transit property within the stipulated time limit for the temporary construction easement. The easement terminates on the earlier of: (1) 12 months from the date notice is given to Sound Transit that construction will commence; (2) completion of construction on Sound Transit property; or (3)

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December 31, 2027. For the purposes of this item, the Work on Sound Transit property will be considered complete when the Contractor no longer needs to access Sound Transit property to do any Work in the Specifications or shown on the Plans.

At least three days prior to commencing Work on the easements, the Contractor shall notify Sound Transit's Property Management Department at propertymanagement@soundtransit.org to coordinate the Work schedule and submit a copy of the Link Track Access Permit, see Section 1-07.6 of these Special Provisions.

The Contractor shall not park any vehicles, place equipment, or store any materials within the easement area without first obtaining Sound Transit's written approval. None of these activities will be allowed within 10 feet of the track. The Contractor shall be responsible for cleaning and remediating any damage that occurs to the property through the Contractor's actions or use of the property.

The Contractor shall follow all Sound Transit rules and regulations. The Contractor is prohibited from engaging in any loud or objectionable behavior within the easement area. The Contractor shall not interfere with Sound Transit or King County Metro's access to the property.

1-08 PROSECUTION AND PROGRESS

Section 1-08 is supplemented with the following:

(October 21, 2025 APWA GSP)

Preconstruction Conference

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

1. To review the initial progress schedule;
2. To establish a working understanding among the various parties associated or affected by the work;
3. To establish and review procedures for progress payment, notifications, approvals, submittals, etc.;
4. To review Training or Apprenticeship Plans, when applicable;
5. To Discuss FSBE Goals when applicable.
6. To establish normal working hours for the work;
7. To review safety standards and traffic control; and
8. 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.

Subcontracting

Section 1-08.1 is supplemented with the following:

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(December 30, 2022 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 Contractor's records pertaining to the requirements of this Special Provision shall be open to inspection or audit by representatives of the Contracting Agency during the life of the contract and for a period of not less than three years after the date of acceptance of the contract. The Contractor shall retain these records for that period. The Contractor shall also guarantee that these records of all subcontractors and lower tier subcontractors shall be available and open to similar inspection or audit for the same time period.

Submittal of Executed Contracts

(April 22, 2025 APWA GSP, Option B)
Section 1-08.1(9) content and title are deleted and replaced with the following:

Vacant

Progress Schedule

Type B Progress Schedule

The first paragraph of Section 1-08.3(2)B is revised to read as follows:

(COB 5-25)
The Contractor shall submit a preliminary Type B Progress Schedule at or prior to the preconstruction conference. The preliminary Type B Progress Schedule shall comply with all of these requirements and the requirements of Section 1-08.3(2), except that it may be limited to only those activities occurring within the first 60-working days of the project.

The first sentence of the second paragraph of Section 1-08.3(2)B is revised to read as follows:

(COB 1-23)
The Contractor shall submit a Type B Progress Schedule depicting the entire project no later than 21 calendar days after the preconstruction conference.

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Preliminary Progress Schedules

Item number 1 of Section 1-08.3(2)D is revised to read as follows:

(January 4, 2024 APWA GSP)

1. The preliminary progress schedule shall be submitted no later than the preconstruction conference for all Type B and Type C progress schedules.

Prosecution of Work

Section 1-08.4 is revised to read as follows:

(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 Section 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.

Time for Completion

The third and fourth paragraphs of Section 1-08.5 are revised to read as follows:

(November 25, 2024 APWA GSP, Option A)

Contract time shall begin on the first working day following the Notice to Proceed Date.

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

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The sixth paragraph is revised to read as follows:

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

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

Section 1-08.5 is supplemented with the following:

(March 13, 1995)
This project shall be physically completed within *** 200 *** working days.

Liquidated Damages

Section 1-08.9 is revised to read as follows:

(March 3, 2021 APWA GSP, Option A)
Time is of the essence of the Contract. Delays inconvenience the traveling public, obstruct traffic, interfere with and delay commerce, and increase risk to Highway users. Delays also cost tax payers undue sums of money, adding time needed for administration, engineering, inspection, and supervision.

Accordingly, the Contractor agrees:

1. To pay liquidated damages in the amount of *** $4250 *** for each working day beyond the number of working days established for Physical Completion, and
2. To authorize the Engineer to deduct these liquidated damages from any money due or coming due to the Contractor.

When the Contract Work has progressed to Substantial Completion as defined in the Contract, the Engineer may determine the Contract Work is Substantially Complete. The Engineer will notify the Contractor in writing of the Substantial Completion Date. For overruns in Contract time occurring after the date so established, liquidated damages identified above will not apply. For overruns in Contract time occurring after the Substantial Completion Date, liquidated damages shall be assessed on the basis of

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direct engineering and related costs assignable to the project until the actual Physical Completion Date of all the Contract Work. The Contractor shall complete the remaining Work as promptly as possible. Upon request by the Project Engineer, the Contractor shall furnish a written schedule for completing the physical Work on the Contract.

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

(COB 2-20)

Hours of Work

Except in the case of emergency, or unless otherwise agreed upon and stated in the Right-of-Way Use Permit (see Appendix) or approved by the Contracting Agency, the normal straight time working hours for the contract shall be any consecutive 8-hour period between 7:00 a.m. and 6:00 p.m. of a working day with a maximum 1-hour lunch break and a 5-day work week. The normal straight time 8-hour working period for the contract shall be established at the preconstruction conference or prior to the Contractor commencing the work.

If a Contractor desires to perform work on Saturdays, Sundays or holidays, the Contractor shall apply in writing to the Engineer for approval to work such times. Authorization to work longer than an 8-hour period between 7:00 a.m. and 6:00 p.m. on weekdays is not required; however, the additional time may be subject to noise control requirements. Such requests shall be submitted to the Engineer no less than three working days prior to the day for which the Contractor is requesting permission to work.

Authorization to work between the hours of 6:00 p.m. and 7:00 a.m. weekdays, between the hours of 6:00 p.m. and 9:00 a.m. on Saturdays, or anytime on Sundays or holidays may be subject to noise control requirements. Requests to work between these hours shall be submitted to the Engineer no less than three working days prior to the day for which the Contractor is requesting permission to work extended hours. Extended work hours may be revoked at any time the Contractor exceeds the Contracting Agency's noise control requirements or complaints are received from the public or adjoining property owners regarding the noise from the Contractor's operations.

Work from the Wednesday before Thanksgiving through January 5 of the following year when Holiday Season Corridor and Hourly Restrictions are in effect may require additional Contracting Agency approvals.

Authorization to work Saturdays, Sundays, holidays, or other than the agreed upon normal straight time working hours Monday through Friday may be given subject to certain other conditions set forth by the Contracting Agency or Engineer. These conditions may include but are not limited to:

- 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 when in the opinion of the Engineer, such work necessitates their presence.
- Considering the work performed on Saturdays, Sundays, and holidays as working days with regard to the contract time.

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- 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.

1-09 MEASUREMENT AND PAYMENT

Weighing Equipment

General Requirements for Weighing Equipment

Item number 4 of the fifth paragraph of Section 1-09.2(1) is revised to read as follows:

(November 25, 2024 APWA GSP, Option B)

4. Test results and scale weight records for each day's hauling operations are provided to the Engineer daily. Reporting shall utilize WSDOT Form 422-027LP, 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.

The sixth and seventh paragraphs of Section 1-09.2(1) are revised to read as follows:

(July 8, 2024 APWA GSP, Option C)

Trucks and Tickets – Each truck to be weighed shall bear a unique identification number. This number shall be legible and in plain view of the scale operator. The Contractor shall provide electronic tickets or physical tickets for all weighed materials. All tickets shall, regardless of medium, at a minimum, contain the following information:

1. Date of haul;
2. Contract number;
3. Contract unit Bid item;
4. Unit of measure;
5. Identification number of hauling vehicle; and
6. Weight delivered:
   a. Net weight in the case of batch and hopper scales.
   b. Gross weight, tare (a.m. and p.m. minimum) and net weight in the case of platform scales (tare may be omitted if a tare beam is used).
   c. Approximate load out weight in the case of belt conveyor scales.

Electronic tickets shall be uploaded to the designated site so that they can be accessed by the material receiver at the material delivery point. Physical tickets shall be handed to the inspector at the delivery point at the time materials are delivered. The material delivery point is defined as the location where the material is incorporated into the permanent Work. The Contractor's representative shall make report summaries available to the Engineer's designated receiver, not later than the end of shift, for reconciliation. Tickets for loads not verified as delivered will receive no pay.

Measurement

The first paragraph of Section 1-09.2(5) is revised to read as follows:

(December 30, 2022 APWA GSP)

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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.

Force Account

Section 1-09.6 is supplemented with the following:

(December 30, 2022 APWA GSP)
The Contracting Agency has estimated and included in the Proposal, dollar amounts for all items to be paid per force account, only to provide a common proposal for Bidders. All such dollar amounts are to become a part of Contractor's total bid. However, the Contracting Agency does not warrant expressly or by implication that the actual amount of work will correspond with those estimates. Payment will be made on the basis of the amount of work actually authorized by the Engineer.

Payments

The fourth paragraph of Section 1-09.9 is revised to read as follows:

(July 8, 2024, APWA GSP, Option B)
Progress payments for completed work and material on hand will be based upon progress estimates prepared by the Engineer. A progress estimate cutoff date will be established at the preconstruction conference.

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

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

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

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

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

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Progress payments for work performed shall not be evidence of acceptable performance or an admission by the Contracting Agency that any work has been satisfactorily completed. The determination of payments under the contract will be final in accordance with Section 1 05.1. (COB 2-22)
The sixth paragraph of Section 1-09.9 is deleted.

Retainage

Section 1-09.9(1) content and title is deleted and replaced with the following:

(June 27, 2011)
Vacant

Claims Resolution

Arbitration General

The third paragraph of Section 1-09.13(3)A is revised to read as follows:

(January 19, 2022 APWA GSP)
The Contracting Agency and the Contractor mutually agree to be bound by the decision of the arbitrator, and judgment upon the award rendered by the arbitrator may be entered in the Superior Court of the county in which the Contracting Agency's headquarters is located, provided that where claims subject to arbitration are asserted against a county, RCW 36.01.050 shall control venue and jurisdiction of the Superior Court. The decision of the arbitrator and the specific basis for the decision shall be in writing. The arbitrator shall use the Contract as a basis for decisions.

Venue for Litigation

The first sentence of Section 1-09.13(4) is revised to read as follows:

(COB 2-22)
Litigation shall be brought in the Superior Court of the county in which the Contracting Agency's headquarters is located.

1-10 TEMPORARY TRAFFIC CONTROL

General

Description

Section 1-10.1(2) is supplemented with the following:

(COB 11-23)
The Contractor shall arrange for off-duty uniformed police officers (UPO) to be present for the following activities:

1. At the commissioning of a new traffic signal, or the recommissioning of an existing traffic signal which has been upgraded.
2. Countermanding any mandatory turn control, including traffic signal indication, signs and channelization, at or within a signalized or unsignalized intersection.

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3. Directing vehicle and pedestrian traffic from the middle of the intersection when a traffic signal indication is turned off or is inoperative.
4. Where the Engineer deems it necessary to improve safety, traffic flow, or both.

Intersections that will require UPOs within the project limits include the following:

1. *** NE 12th St and Spring Blvd ***

Traffic Control Management

Section 1-10.2 is supplemented with the following:

(November 2, 2022)
Work Zone Safety Contingency

Enhancements to improve the effectiveness of the accepted traffic control plans to increase the safety of the work zones shall be discussed on a weekly basis between the Contractor and the Contracting Agency. Enhancements shall be mutually agreed upon by the Contractor and Engineer prior to performing any Work to implement the enhancement.

Enhancements do not include the use of Uniformed Police Officers or WSP, address changes to the allowed work hour restrictions, or changes to the staging plans in the Contract (if applicable). If allowed by the Engineer, these items will be addressed in accordance with Section 1-04.4.

The Contractor shall be solely responsible for submitting any traffic control plan revision to implement the enhancement in accordance with Section 1-10.2(2).

General

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

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

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

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

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

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

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

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

Traffic Control Supervisor

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

(COB 11-23)
The Traffic Control Supervisor shall be responsible for coordinating construction activities with uniformed police officers to maintain traffic flows and ensure safety.

Traffic Control Plans

The first sentence of the first paragraph of Section 1-10.2(2) is replaced with the following:

(COB 11-18)
Approved site-specific Traffic Control or Detour Plans have been provided in the plans for use on this project. The Contractor assumes responsibility for the traffic control plans and their implementation upon award of the contract. If the Contractor proposes to use methods or phasing that differs from the provided Traffic Control Plans, the Contractor shall submit revised site-specific Traffic Control and Detour Plans for differing work activities to the Engineer for approval a minimum of 14 calendar days in advance of when the Traffic Control or Detour Plan will be implemented. Revised Traffic Control Plans shall be prepared by someone experienced and qualified in the preparation of Traffic Control Plans. Revised Traffic Control Plans shall conform to the requirements in the Right of Way Use Permit (see Appendix) and the Manual on Uniform Traffic Control Devices shall be used as a guide.

No additional payment will be made to the Contractor for creating or revising Traffic Control Plans.

Section 1-10.2(2) is supplemented with the following:

(COB 2-18)
The Contractor shall not implement any lane, ramp, roadway or sidewalk closures without a Traffic Control or Detour Plan approved by the Engineer.

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Traffic Control Labor, Procedures and Devices

Traffic Control Labor

Other Traffic Control Labor

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

(COB 04-25)

Uniformed Police Officer

Definitions:

Uniformed Police Officer as used in this specification is a "general authority Washington peace officer" as defined by RCW 10.93.020 (4), or a "specially commissioned Washington peace officer" as defined by RCW 10.93.020(11).

Law Enforcement Agency as used in this specification is a "general authority Washington law enforcement agency" as defined by RCW 10.93.020(3).

Per Bellevue City Code 14.30.200(D), "Any right-of-way use permit that requires a partial lane or street closure will require a licensed flagperson, properly attired, or an off-duty police officer for the purpose of traffic control during construction. The use of police officers is mandatory for manual control of traffic at signalized intersections."

RCW 10.93.070 allows other law enforcement agencies to enforce the traffic or criminal laws upon the prior written consent of the Chief of Police of Bellevue. In order for a police officer to work off-duty traffic flagging in the City of Bellevue, the police officer must:

1. Possess authorized police powers within the City of Bellevue, and
2. Have authorization from their agency to work off-duty traffic flagging in the City of Bellevue.

A list of law enforcement agencies that have been authorized Police Powers within the City of Bellevue can be found in Appendix *** F ***. In addition to that list, the Bellevue Police Department, Washington State Patrol, and King County Sheriff's Office have concurrent law enforcement jurisdiction in the City of Bellevue.

The Contractor shall arrange for off-duty Uniformed Police Officers to be present for the activities listed in Section 1-10.1(2) of these Special Provisions.

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

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

Bellevue Police Department

Contact/Phone: Sgt. Kevin Masseth (425) 452-6173
Contact/Phone: Sgt. Kate Carley (425) 452-6852

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Email: PoliceFlagging@bellevuewa.gov

King County Sheriff's Office
Contact: Patricia Cole
Phone: (206) 296-3311

Washington State Patrol
Contact: Overtime Coordinator
Phone: (425) 401-7764
Email: D2OvertimeCoordinator@wsp.wa.gov

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

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

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

Traffic Control Devices

Construction Signs
Section 1-10.3(3)A is supplemented with the following:

(COB 8-04)
Interim Signing
All existing signing removed for construction purposes shall be replaced during the day it was removed with either permanent signing or be placed on temporary structures, such as posts or barricades, in a place as close as possible to the original location from where they were removed.

Measurement

Item Bids With Lump Sum for Incidentals
Section 1-10.4(2) is supplemented with the following:

(COB 4-14)
"Flaggers and Other Traffic Control Labor" will be measured by the hour as described in this section under "Flaggers" and "Other Traffic Control Labor".

(April 22, 2025 APWA GSP)
"Uniformed Police Officer" will be measured by the hour. Hours will be measured for each fully equipped Uniformed Police Officer, including vehicle, if required, directing or monitoring traffic, as shown on an approved Traffic Control Plan in accordance with Section 1-10.3(1)B of these Special Provisions.

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Payment

Item Bids With Lump Sum for Incidentals

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

(COB 4-14)
"Flaggers and Other Traffic Control Labor", per hour.

The unit contract price, when applied to the number of units measured for this item in accordance with Section 1-10.4(2), shall be full compensation for all costs incurred by the Contractor in performing the contract work defined in Section 1-10.3(1)A and 1-10.3(1)B, and shall also be full compensation for all labor costs incurred by the Contractor in performing the contract work specifically mentioned in the second and third paragraph of Section 1-10.4(2).

(COB 1-06)
All costs for providing and maintaining interim existing signing during construction shall be included, by the Contractor, in the unit contract price for the various other items of work in the bid proposal, except those elements that are part of the permanent signing plan will be paid under the unit contract price for "Permanent Signing".

(November 25, 2024 APWA GSP, Option B)
"Uniformed Police Officer", per hour.

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

(November 2, 2022)
"Work Zone Safety Contingency", by force account.

All costs as authorized by the Engineer will be paid for by force account as specified in Section 1-09.6.

For purpose of providing a common proposal for all bidders, the Contracting Agency has entered an amount for the item "Work Zone Safety Contingency" in the Proposal to become a part of the Contractor's total bid.

The Engineer may choose to use existing bid items for the implementation of the agreed upon enhancement.

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DIVISION 2
EARTHWORK

2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

Description

The second paragraph of Section 2-01.1 is revised to read as follows:

(COB 8-04)
"Clearing" means removing and disposing of all unwanted material from the surface, such as trees less than 12 inches in diameter, measured at a height 48 inches above ground level, brush, down timber, or other natural material.

Section 2-01.1 is supplemented with the following:

(COB 8-04)
"Tree removal" means removing and disposing of trees 12 inches or greater in diameter, as measured 48 inches above ground level, including the roots and debris.

Construction Requirements

Section 2-01.3 is supplemented with the following:

(COB 3-12)
The Contractor shall notify property owners a minimum of 5 working days in advance of clearing, grubbing, and tree removal operations.

(COB 8-04)

Tree Removal

Trees identified for removal shall be completely removed, including the roots, unless the Engineer determines that complete removal is not necessary. In such cases, the trunk shall be cut at ground level and treated with an approved herbicide.

Roadside Cleanup

(COB 3-05)
The first paragraph of Section 2-01.3(4) is supplemented as follows:

6. Other work deemed necessary by the Engineer.

Measurement

Section 2-01.4 is supplemented with the following:

(COB 3-12)
The removal of trees 12 inches or greater in diameter will be measured per each for each tree removed. The tree diameter will be determined by measuring the diameter 48 inches above the ground level at the base of the tree.

Payment

Section 2-01.5 is supplemented with the following:

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(COB 3-12)
"Tree Removal", per each.

2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Measurement

Section 2-02.4 is revised to read as follows:

(COB 8-04)
Pavement and sidewalk removal will be measured by the square yard of area removed.

Payment

Section 2-02.5 is supplemented with the following:

(COB 8-04)
"Removing Cement Conc. Sidewalk", per square yard.

(COB 10-15)
All costs associated with sawcutting shall be included in the unit Contract price of the item being removed.

2-03 ROADWAY EXCAVATION AND EMBANKMENT

Materials

General Requirements

Section 9-03.21(1) is supplemented with the following:

(COB 3-18)
Recycled hot mix asphalt, recycled glass (glass cullet), and recycled steel furnace slag may not be used as backfill.

Recycled Concrete Rubble

Section 9-03.21(1)B is supplemented with the following:

(COB 3-18)
Recycled Concrete Rubble may be used except under the following conditions:

- Below the original ground line of the project
- On exposed slopes or unstable slopes
- Below the water table
- Within 10 feet of a property line
- Less than 100 feet from a water well or critical recharge area
- Within an open channel
- Within any wetland or wetland buffer
- Less than 100 feet from stream, lake, pond, creek, wetland or river.
- Within 50 feet of Low Impact Development BMP's
- Backfill within the projected neatline trench above pipes and structures
- As utility pipe zone bedding

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- As trench backfill

Construction Requirements

Embankment Construction

Compacting Earth Embankments

Section 2-03.3(14)C is supplemented with the following:

(COB 8-04)
All embankments shall be constructed using Method C compaction, using ASTM D1557 Modified Proctor.

Measurement

Section 2-03.4 is supplemented with the following:

(COB 6-20)
In accordance with Section 1-09.1, no measurement will be made for roadway excavation. The estimated approximate quantity for roadway excavation including haul is *** 4000 *** cubic yards.

(COB 8-04)
Gravel borrow will be measured by the ton or the cubic yard. If measured by the cubic yard, an original ground measurement will be taken using cross-section or digital terrain modeling survey techniques. Quantities will be determined based on a comparison of the original ground measurement with the finished embankment section as staked.

Payment

Section 2-03.5 is supplemented with the following:

(COB 8-06)
"Roadway Excavation Incl. Haul", lump sum.

The lump sum Contract price for "Roadway Excavation Incl. Haul" shall include all costs associated with excavation, loading, hauling, and disposing of the material.

(COB 3-12)
"Gravel Borrow Incl. Haul", per ton.

The unit Contract price per ton for "Gravel Borrow Incl. Haul" shall be full compensation for excavating, loading, hauling, placing and compacting the material.

2-06 SUBGRADE PREPARATION

Description

Section 2-06.1 is revised to read as follows:

(COB 8-04)

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This work consists of preparing a graded surface and preparing surfacing materials for paving, curb, sidewalk, driveway, approach and other permanent hard surfaces construction.

Payment

Section 2-06.5 is revised to read as follows:

(COB 8-04)
All costs to protect the subgrade or surfacing materials, including replacement of damaged or contaminated material, shall be included in the unit contract price for constructing the subgrade or surfacing materials as applicable.

2-09 STRUCTURE EXCAVATION

Construction Requirements

General Requirements

Backfilling

The second sentence of the first paragraph of Section 2-09.3(1)E is revised to read as follows:

(COB 8-04)
Unless the Engineer directs otherwise, backfill material shall be crushed surfacing top course.

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DIVISION 4
BASES

4-04 BALLAST AND CRUSHED SURFACING

Materials

General Requirements

Section 9-03.21(1) is supplemented with the following:

(COB 3-18)
Recycled hot mix asphalt, recycled glass (glass cullet), and recycled steel furnace slag may not be used as backfill.

Recycled Concrete Rubble

Section 9-03.21(1)B is supplemented with the following:

(COB 3-18)
Recycled Concrete Rubble may be used except under the following conditions:

- Below the original ground line of the project
- On exposed slopes or unstable slopes
- Below the water table
- Within 10 feet of a property line
- Less than 100 feet from a water well or critical recharge area
- Within an open channel
- Within any wetland or wetland buffer
- Less than 100 feet from stream, lake, pond, creek, wetland or river.
- Within 50 feet of Low Impact Development BMP's
- Backfill within the projected neatline trench above pipes and structures
- As utility pipe zone bedding
- As trench backfill

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DIVISION 5
SURFACE TREATMENTS AND PAVEMENTS

5-04 HOT MIX ASPHALT

Materials

Section 5-04.2 is supplemented with the following:

(COB 4-20)
The contractor may choose to utilize reclaimed 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. Reclaimed asphalt shingles (RAS) shall not be utilized in the production of HMA.

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 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 by 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.

Mix Design – Obtaining Project Approval

Section 5-04.2(2) is revised to read as follows:

(COB 4-20)
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.

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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 & sig-nature) 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 date of contract award.

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. Mix designs older than 24 months from the original verification date shall not be used.

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.

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

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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.

Construction Requirements

Equipment

Material Transfer Device or Material Transfer Vehicle
The first sentence of the first paragraph of Section 5-04.3(3)D is revised to read as follows:

(COB 3-18)
A material transfer device (MTD) or a material transfer vehicle (MTV) is not required.

Preparation of Existing Paved Surfaces
Section 5-04.3(4) is supplemented with the following:

(COB 3-13)
Prior to paving, the Engineer will mark all areas that require preleveling and review these areas with the Contractor.

If paving fabric is encountered, no additional payment will be made for removal and disposal.

Producing/Stockpiling Aggregates, RAP, & RAS
Section 5-04.3(5) including title is revised to read as follows:

(COB 1-24)
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.

Stockpiling RAP or RAS for High RAP/Any RAS Mixes
Section 5-04.3(5)A content and title is deleted and replaced with the following:

(COB 1-24)
Vacant

Mixing
Section 5-04.3(6) is revised to read as follows:

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(COB 1-24)
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.

Aggregate Acceptance Prior to Incorporation in HMA

Section 5-04.3(8) is revised to read as follows:

(COB 3-18)
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.

HMA Mixture Acceptance

Section 5-04.3(9) is revised to read as follows:

(COB 4-20)
Acceptance of HMA shall be as provided under nonstatistical, or commercial evaluation.

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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

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.

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.

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

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

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.

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.

Mixture Nonstatistical Evaluation Sampling

Samples for acceptance testing shall be obtained by the Contracting Agency or their representative when ordered by the Engineer. The Contractor shall sample the HMA mixture in the presence of the Engineer and in accordance with AASHTO T168. 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.

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- 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.

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.

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.

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).

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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.

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).

HMA Compaction Acceptance

The first two paragraphs of Section 5-04.3(10) are revised to read as follows:

(COB 4-20)

HMA mixture accepted by nonstatistical evaluation that is used in traffic lanes, including lanes for intersections, 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.

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Tests for the determination of the pavement density will be taken in accordance with the required procedures for measurement by a nuclear density gauge. 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.

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.

HMA Compaction - General Compaction Requirements

Section 5-04.3(10)A is revised to read as follows:

(COB 4-20)

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

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densities are attained. Unless otherwise approved by the Engineer, 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 and on the five feet of roadway approach immediately adjacent to the end of the bridge/back of pavement seat unless otherwise specified in the Contract Documents.

HMA Compaction – Visual Evaluation

Section 5-04.3(10)D including title is revised to read as follows:

(COB 1-24)

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

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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.

Reject Work

Reject Work - General

Section 5-04.3(11)A is supplemented with the following:

(COB 3-18)
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.

Joints

HMA Joints

Transverse Joints

The first sentence of the second paragraph of Section 5-04.3(12)A1 is revised to read as follows:

(COB 3-18)
Construct a temporary wedge of HMA on a 20H:1V where a transverse joint as a result of paving or planning is open to traffic.

Planing Bituminous Pavement

Section 5-04.3(14) is supplemented with the following:

(COB 3-18)
The beginning and ending of each lane of planing shall be squared off to form a uniform joint.

The Contractor shall provide for safe vehicular travel over existing manholes, valve boxes, etc., during planing operations.

Prior to opening to traffic, all delaminating of existing HMA shall be removed from the site and resulting holes shall be patched with commercial HMA. The surface shall be cleaned by sweeping to remove dust and foreign matter. If paving fabric is encountered, no additional payment will be made for removal and disposal. A

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sweeper shall be present at all times during planing operations. Once existing HMA surfaces have been planed, all areas must be paved back within 14 calendar days.

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DIVISION 6
STRUCTURES

6-02 Concrete Structures

Materials

Color Surface Treatments

Section 9-08.3 is supplemented with the following:

(COB 11-14)

Provide anti-graffiti coating system complying with the following:

1. A permanent coating system capable of withstanding a minimum of 120 cleaning cycles over the same area without measurable coating deterioration.
2. Show no signs of deterioration or change of appearance after graffiti removal during the cleaning cycles including no ghosting staining or shadowing.
3. Capability of removing 100% of all types of paint and graffiti materials from treated surfaces without damaging the coating or the substrate.
4. Upon graffiti removal, no evidence of graffiti shall remain.
5. Shall not increase dirt pick-up of substrate.
6. Meet the following test results for the following chemicals:

a. Methyl Ethyl Ketone (MEK)	No effect after 5 days
b. Carboxylic Acid	No effect after 5 days
c. 75% Phosphoric Acid	No effect after 5 days
d. 37% Hydrochloric Acid (HCL)	3 hours blister
e. 50% Sulfuric Acid	No effect after 5 days
f. 20% NIT	68 hours blister

Section 6-02.2 is supplemented with the following:

(******)

Acrylic Exterior Paint for Concrete Surfaces

All paint for concrete surfaces shall be 100% acrylic exterior paint. The color of structure feature(s) shall be as shown in the Plans:

Dark Green must be a custom color to match Federal Standard Color 14062.

Dark Brown must be a custom color to match Federal Standard Color 10049.

Construction Requirements

Section 6-02.3 is supplemented with the following:

(******)

Artwork Foundations

Artwork Foundations shall be constructed at the locations and grades shown on the Plans. After construction and acceptance, the Contractor shall contact the art coordinator for art installation, which will be done by others, per the information shown on the Plans. Art installation is expected to take 10 working days. The Contractor shall not backfill, place

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irrigation or topsoil, or do any other activity that may hinder the installation of the art until the art is installed and further Work is allowed in that area by the Engineer.

Proportioning Materials

Commercial Concrete
Section 6-02.3(2)B is supplemented with the following:

(COB 1-18)
Commercial Concrete is prohibited from use on City projects unless otherwise shown in the Plans.

Finishing Concrete Surfaces

Pigmented Sealer for Concrete Surfaces

Section 6-02.3(14)C is supplemented with the following:

(******)
The color of the following structure feature(s) shall match the specified color(s):

Structure and Feature	Pigmented Sealer Color
Walls 3 and 4	Washington Gray

All surfaces specified to receive pigmented sealer shall also receive Anti-Graffiti Coating applied after the pigmented sealer has cured in accordance with the manufacturer's recommendations.

Measurement
Section 6-02.4 is supplemented with the following:

Any concrete, reinforcing steel, grading, excavation or other related items necessary for the construction of artwork foundations will not be measured or have any unit of measurement. Any approximate quantities shown are for the Contractor's convenience and the City does not guarantee their accuracy.

Payment
Section 6-02.5 is supplemented with the following:

(******)
"Artwork Foundations", lump sum.

The lump sum Contract price for "Artwork Foundations" shall be full pay for the construction of all the Artwork Foundations including all labor, materials, excavation, rebar, concrete and all other labor and materials to complete the Artwork foundations as shown in the Plans.

6-11 Reinforced Concrete Walls

Measurement
Section 6-11.4 is supplemented with the following:

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(******)
Reinforced Concrete Wall will be measured per square foot of completed wall, measured from top of wall to bottom of footing.

Payment

Section 6-11.5 is supplemented with the following:

(******)
"Reinforced Concrete Wall", per square foot.
All costs in connection with constructing the reinforced concrete retaining wall as specified including excavation, the concrete footing and stem wall as shown on the Plans and as specified including all concrete, steel reinforcing bars, pre-molded joint filler, PVC pipe for weep holes, exterior surface finish, and pigmented sealer and anti-graffiti coating (when specified); working drawings; underdrain system, gravel backfill for drains, and gravel borrow for wall backfill shall be included in the unit Contract price per square foot for "Reinforced Concrete Wall", including compaction of the backfill material and furnishing and installing the temporary forming system.

6-14 Geosynthetic Retaining Walls

Construction Requirements

Permanent Facing

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

(******)
All concrete surfaces shown as painted in the Plans shall be painted with acrylic exterior paint. The acrylic paint shall be applied in accordance with the manufacturer's recommendations. All surfaces specified to receive acrylic paint shall also receive a clear protective sealer and anti-graffiti coating. The protective sealer and anti-graffiti coating systems shall be a system intended for use on vertical concrete surfaces and shall be compatible with the paint product not resulting in discoloration of the acrylic paint. The protective sealer and anti-graffiti coating shall be applied after the acrylic paint in accordance with the manufacturer's recommendations.

The Contractor must submit color samples and paint product information to verify it is suitable for application on concrete surfaces in an exterior exposed environment. Submittal shall include the Manufacturer's technical data, including Safety Data Sheet and installation instructions, for each product specified for Engineer Approval prior to ordering. The contractor must also submit a 1-quart wet sample in the manufacturer's labeled container with product number, batch number, and size of batch. A companion drawdown color sample shall be labeled with the product number, batch number, and size of batch. The Contractor shall submit the specified samples and readings to the Engineer at least 14 calendar days prior to the scheduled application. The Contractor shall not begin applying acrylic paint until receiving the Engineer's written approval of the paint color samples.

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Measurement

Section 6-14.4 is supplemented with the following:

(******)

Geosynthetic Wall with Concrete Fascia will be measured per square foot of completed wall measured from top of wall to bottom of wall as shown in the Plans.

Payment

Section 6-14.5 is supplemented with the following:

(******)

"Geosynthetic Wall with Concrete Fascia", per square foot.

All costs in connection with constructing the permanent geosynthetic retaining wall as specified and shown in the Plans including excavation, the shotcrete fascia with textured shotcrete surface as specified including all concrete, steel reinforcing bars, pre-molded joint filler, polyethylene bond breaker strip, joint sealant, PVC pipe for weep holes, exterior surface finish, acrylic exterior paint, and pigmented sealer and anti-graffiti coating (when specified); all costs associated with construction of shotcrete fascia panels and textured shotcrete surface, including working drawing submittals and qualification mockup panel; and the underdrain system, gravel backfill for drains, and all base course and gravel borrow used as fill for the excavation under the wall as shown on the Plans shall be included in the unit Contract price per square foot for "Geosynthetic Retaining Wall with Concrete Fascia", including furnishing and installing a temporary forming system.

6-18 Shotcrete

Construction Requirements

Submittals

Item No. 4 of section 6-18.3(1) is revised to read as follows:

(******)

4. Documentation of the experience of the nozzle operators in applying shotcrete, including evidence that all shotcrete finish crew members have completed at least three projects in the last 5 years of similar scale and complexity, where such finishing, or sculpturing and texturing of shotcrete was performed.

Section 6-18.3(1) is supplemented with the following:

(******)

5. Wall 1 and 2 Shotcrete Finish – A Type 2 Working Drawing detailing the shotcrete finish layout, details, and proposed method of construction. The drawings shall include identification of all materials, finishes and colors for the shotcrete, and all patterns as shown on the Plans.

Shotcrete Testing

Mix Design Test Panel

Section 6-18.3(3)A is supplemented with the following:

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(******)

The qualification panel shall be a minimum ten-foot (10') by ten-foot (10') sized panel, constructed using the same methods and layers as the proposed construction. The qualification panel shall include a sample of each type of pattern, color and finish as shown on Plans. The Contractor shall sample and test three (3) cores for tensile strength test (ASTM D7234 or equivalent) between the shotcrete and architectural finish layers. Location of the test cores shall be as determined by the Engineer. If testing does not meet the ASTM requirements, the Contractor shall provide additional qualification panel(s) of the same size and type for testing until it meets the requirements indicated.

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DIVISION 7
DRAINAGE STRUCTURES, STORM SEWERS, SANITARY SEWERS, WATER MAINS, AND CONDUITS

7-01 DRAINS

Materials

Section 7-01.2 is supplemented with the following:

(COB 2-14)
All drain and underdrain pipe shall be manufactured of Polyvinyl Chloride (PVC).

Construction Requirements

Section 7-01.3 is supplemented with the following:

(COB 8-04)
Locator Wire
Installations where the pipe is not installed in a straight line between structures, in unpaved areas, and where the pipe does not terminate at each end into a drainage structure shall include a No. 12 AWG solid copper locator wire. The locator wire shall be installed on top of trench at the interface of ACP and trench backfill or 10 inches below finished grade in unpaved areas. The locator wire shall be securely attached to the frames of drainage structures with a screw or nut and bolt.

(COB 12-09)
Cleanouts
Cleanouts shall be installed in accordance with the City of Bellevue Standard Drawings in Appendix A.

Measurement

Section 7-01.4 is supplemented with the following:

(COB 3-12)
Cleanouts will be measured per each for each cleanout installed.

The first sentence of the first paragraph of Section 7-01.4 is revised to read as follows:

(COB 8-12)
The length of drain pipe or underdrain pipe will be the number of linear feet of completed installation measured along the invert and the length of vertical pipe for cleanouts when cleanouts are installed.

The cost per linear foot of completed underdrain pipe will also include filter fabric and drain rock around the underdrain pipe as shown in the Plans.

Payment

Section 7-01.5 is supplemented with the following:

(COB 3-12)

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All costs associated with furnishing and installing the locator wire shall be included in the unit contract price for the kind and size of pipe being delineated.

(COB 3-12)
"Cleanout", per each.

The unit contract price per each for "Cleanout" shall be full pay for all costs to furnish and install the cleanout including the pipe cap, frame & lid, casting, concrete collar, and adjusting the cleanout to finished grade.

7-02 CULVERT PIPE

Measurement

Section 7-02.4 is supplemented with the following:

(******)
Trash racks will be measured by each rack installed per the Plans.

Payment

Section 7-02.5 is supplemented with the following:

(******)
"Trash Rack", per each.

7-04 STORM SEWERS

Materials

Section 7-04.2 is supplemented with the following:

(COB 5-05)
Storm sewer pipe material shall be one of the following types, as shown in the Plans:

Polyvinyl Chloride (PVC) Pipe, SDR 35	9-05.12
Ductile Iron Pipe Class 52	9-05.13
Class 4 Reinforced Concrete (RCP) Storm Sewer Pipe	9-05.7(2)
Corrugated Polyethylene (PE) Storm Sewer Pipe	9-05.20

Payment

The thirteenth paragraph of Section 7-04.5 is revised to read as follows:

(COB 5-16)
The unit contract price per linear foot for storm sewer pipe of the kind and size specified shall be full pay for furnishing, hauling, and assembling in place the completed installation including bedding, backfilling and backfill material; air testing and video inspection according to the City of Bellevue Utilities Engineering Standards and adjustment of inverts to manholes for the completion of the installation to the required lines and grades.

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Section 7-04.5 is supplemented with the following:

(COB 5-05)
"Ductile Iron Pipe Class 52 ____ In. Diam.", per linear foot.

7-05 MANHOLES, INLETS, CATCH BASINS, AND DRYWELLS

Materials

Metal Frame, Grate, and Solid Metal Cover for Catch Basins or Inlets
Section 9-05.15(2) is supplemented with the following:

(COB 1-23)
Catch basin grates and covers shall meet the requirements of City of Bellevue Standard Drawings in Appendix A. Frames, grates and covers for catch basins shall be locking type.

Metal Frames, Grates and Solid Lids within pedestrian walkways and bicycle facilities as shown in the Plans shall have a non-slip surface coated with WS Molnar Company SlipNOT Grip Plate Grade 3 Surface, IKG Industries Mebac #1, or Thermion SafTrax TH604 Grade #1.

Construction Requirements

The first sentence of the eleventh paragraph of Section 7-05.3 is revised to read as follows:

(COB 8-04)
Flexible pipes connecting to sanitary and storm sewer manholes, and catch basins shall be provided with an entry coupling or gasket approved by the Engineer.

Connections to Existing Manholes
Section 7-05.3(3) is supplemented with the following:

(COB 6-19)
Connections to Concrete Structure
When connecting to a concrete structure, openings shall be core-drilled, unless an existing knockout is available.

Connections shall be made with watertight rubber boots, sand collars, manhole adapters, or other approved watertight connectors except for: 1) concrete; 2) ductile iron; 3) corrugated metal pipe. For 1,2, and 3 above, connections shall be made with non-shrink Portland Cement mortar to make a watertight connection.

Payment

The ninth paragraph of Section 7-05.5 is revised to read as follows:

(COB 1-19)
All costs associated with furnishing and installing backfill for bedding manholes, inlets and catch basins and all costs associated with vacuum testing new structures as required by

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the City of Bellevue Utilities Engineering Standards shall be included in the unit Contract price for the item installed.

7-08 GENERAL PIPE INSTALLATION REQUIREMENTS

Construction Requirements

Backfilling

Section 7-08.3(3) is supplemented with the following:

(COB 12-22)
Trench backfill crushed surfacing as shown in Standard Drawings shall be crushed surfacing top course in accordance with Section 9-03.9(3).

If the Engineer requires the trench to be excavated to a depth greater than shown on the Standard Drawing, the backfill material placed below the pipe zone bedding shall be Gravel Backfill for Foundation Cl. A.

Section 7-08.3 is supplemented with the following:

(COB 8-12)

Vertical Clearance Between Utility Lines

When the vertical clearance is less than 6 inches a pad shall be placed between the pipe and the utility line. The pad shall be a square, equal to the outside diameter of the larger pipe, by 2.5 inches thick, minimum, polyethylene foam plank. The foam shall be strong, resilient, have a density of 2.2 pcf, shall be closed cell foam and shall conform to ASTM D3575.

Payment

Section 7-08.5 is supplemented with the following:

(COB 8-04)
All costs associated with furnishing and installing the pads between pipes and utilities shall be included in the unit contract price per linear foot for the type and kind of pipe being installed.

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DIVISION 8
MISCELLANEOUS CONSTRUCTION

8-01 EROSION CONTROL AND WATER POLLUTION CONTROL

Materials

Section 8-01.2 is supplemented with the following:

(******)

Erosion control blanket shall meet the following requirements:

- 100% biodegradable lightweight spun coir fabric
- Open-weave construction allows for hydroseeding after installation
- Long-lasting (4-5 years), where short growing seasons are not conducive to rapid establishment of vegetation
- Rated for water flows of up to 8 feet per second
- 11.8 oz per square yard / 400 grams per square meter
- 65% open area

Construction Requirements

General

Submittals

Section 8-01.3(1)A is supplemented with the following:

(COB 4-19)

All references in the Standard Specifications, Amendments or WSDOT General Special Provisions to Temporary Erosion and Sediment Control Plan (TESC Plan) shall be revised to read Construction Stormwater Pollution Prevention Plan (CSWPPP).

Temporary Erosion and Sediment Control Plan

(COB 4-19)

The third paragraph of Section 8-01.3(1)A1 is deleted.

Section 8-01.3(1)A1 is supplemented with the following:

(COB 8-18)

Construction Stormwater Pollution Prevention Plan (CSWPPP)

The City has prepared an Initial Construction Stormwater Pollution Prevention Plan (CSWPPP) for this project that includes a narrative section and an Erosion and Sediment Control (ESC) plan. If the contractor adopts the CSWPPP prepared by the City, the CSWPPP shall be modified by the Contractor to match the Contractors operations and shall be updated throughout the project. The CSWPPP shall conform to the requirements of Volume II of the Stormwater Management Manual for Western Washington.

Individual(s) responsible for updating and maintaining the CSWPPP shall be a certified erosion and sediment control lead (CESCL) from a third-party company

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independent of the Contractor. The third-party CESCL shall be responsible for directing all on-site erosion control and maintaining the CSWPPP.

If the contractor does not adopt the CSWPPP prepared by the Engineer, the Contractor shall submit a CSWPPP to the Engineer. The CSWPPP must include the following:

1. Existing drainage patterns
2. Limits of disturbance
3. Locations of erosion control BMPs that would be required if work was suspended
4. Locations of erosion control BMPs that will be required to perform the work during the rainy season
5. Copies of the details and specifications of BMPs provided in the CSWPPP
6. Construction schedule for the work
7. Construction sequence and phasing for the work
8. Name and phone number of CESCL/employee to be on-call to handle erosion control problems during non-working hours
9. Sample points for Turbidity and pH monitoring shall be shown on the ESC plan

Work shall be performed in accordance with the following:

1. Areas shall be worked with in 72 hours of being cleared and grubbed.
2. Disturbed and exposed soil shall be covered with mulch, erosion control blankets, or plastic sheeting at the end of each workday.
3. Stockpiles shall be covered with plastic sheeting at the end of each workday.
4. Temporary sediment traps and ponds shall be constructed, as required, to treat additional sediment-laden runoff due to increased precipitation.
5. All costs for BMPs required by the authorized work shall be furnished, installed, and maintained by the Contractor at no additional cost to the Contracting Agency.
6. Abide by all additional restrictive measures designated by the Engineer to protect water quality.
7. If required by the CESCL or if necessary to meet permit water quality requirements the contractor shall provide passive treatment or active treatment to protect water quality.

If work is temporarily suspended, in accordance with Section 1-08.6, all maintenance of the project during the suspension shall be at the Contractor's expense, and the temporary suspension shall not constitute a basis for claims for additional compensation or adjustments in cost.

Water Management

Section 8-01.3(1)C is supplemented with the following:

(COB 8-18)

Turbidity and pH Monitoring Plan

The Contractor shall submit a Turbidity and pH monitoring plan to the Engineer. The turbidity and pH monitoring plan shall contain the following elements:

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1. Project Description: This section of the plan shall identify the purpose of the site clearing and grading, include a discussion of the extent of site disturbance required for the proposal, any proposed phasing of the project, the extent of concrete work, and/or cement treatment, and a brief description of the CSWPPP.

2. Drainage Analysis: This section, at a minimum, shall include a discussion of: i) the general topography; ii) existing drainage patterns on-site including existing drainage features (i.e. wetlands, streams, ditches, catch basins, pipes, ponds etc.); and iii) location of protected areas (i.e. steep slopes, wetlands, riparian corridors and shorelines).

3. Monitoring Locations: Sampling is required at all discharge points where stormwater (or authorized non-stormwater) is discharged off-site, before it mixes with the storm drainage system or receiving waters. All sampling point(s) shall be identified on the ESC plan in the CSWPPP and be clearly marked in the field with a flag, tape, paint, stake or other visible marker. Background turbidity and pH shall be measured in the waterway that receives runoff from the sites(s) at a location up-gradient or outside the influence of discharge from the construction site. Background turbidity and pH shall be measured each time discharge turbidity is measured.

4. Turbidity & pH Monitoring Data Sheet: Include in the monitoring plan an example data sheet to record daily monitoring data.

5. Third Party Monitor: The plan must identify a qualified, professional monitoring company that will be responsible for providing turbidity & pH monitoring. The company may not be affiliated with any party with a vested interest in the project. The individual(s) who will be conducting the monitoring must be a certified erosion and sediment control lead (CESCL).

6. Field Testing Methods: Turbidity & pH monitoring equipment must be specified in the monitoring plan and shall comply with the requirements of the EPA and provide immediate results in the field.

7. Frequency of Monitoring: During the Dry Season (May 1 – September 30), sampling shall be performed no less than one sample weekly. Additional samples shall be taken during or immediately after each rainfall event. No more than one sample shall be required in a day if the test indicates that turbidity complies with allowable levels. If the test indicates that turbidity is in excess of the standard or turbid water is observed coming from the site after the initial sample is taken, additional samples shall be required. Sampling during the Rainy Season (October 1 – April 30) shall be conducted daily.

8. Reporting Requirements: Sampling data sheets shall be delivered, e-mailed, or faxed to the Engineer the same day they are taken. Delivery of data sheets must be arranged with the Engineer prior to collection of the data.

9. Exceeding Turbidity Benchmarks: Upon determination of turbidity levels in excess of the 25 NTU benchmark (26 to 249 NTU); the CESCL must immediately notify the contractor. The contractor must make all

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necessary efforts to correct the condition(s) on site that is (are) causing, or contributing to, the excess turbidity. It is the responsibility of the contractor to determine the most appropriate measures and implement them immediately, although they may solicit input from the Engineer, the CESCL, or any other outside resource. The CESCL shall make the appropriate revisions to the CSWPPP.

Upon determination that turbidity levels exceed the 250 NTU benchmark, the CESCL must immediately notify the Contractor and the Engineer. The Engineer shall forward the information to the Bellevue Clearing and Grading Supervisor who will notify Ecology within 24 hours. Immediate corrective actions must be taken by the Contractor to correct the problems. The CESCL must continue to sample discharge daily until Turbidity is <25 NTU or the discharge is eliminated. Additional ESC measures may be required to mitigate water quality concerns.

10. Exceeding pH Benchmark: Any time sampling indicates that pH of discharge water is 8.5 or greater, the high pH water shall be prevented from entering storm drainage system or surface waters. If necessary, the contractor shall adjust or neutralize the high pH water using an appropriate treatment BMP such as CO_2 sparging or dry ice. Written approval from Ecology shall be obtained before using any form of chemical treatment other than CO_2 sparging or dry ice.

11. Termination of Monitoring Services: Upon termination of monitoring services, the Contractor shall submit a final report to the Engineer. The report shall indicate the reason for termination of services, a summary of turbidity and pH data obtained throughout the project, final turbidity and pH levels, and any outstanding issues that have not been fully addressed.

(COB 2-16)

Passive and Active Treatment Systems

A passive treatment system is defined as a system that captures and holds stormwater until turbidity requirements are met. Passive treatment systems typically do not require the use of electricity for treatment.

An active treatment system is defined as a system that uses chemical treatment, filtration, reverse osmosis, ion exchange or a similar method to treat the stormwater until turbidity requirements are met.

Placing Erosion Control Blanket

Section 8-01.3(3) is supplemented with the following:

(******)

Erosion control blanket shall be placed per WSDOT Standard Plan I-60.10. Mulch shall be placed over the blanket to depths specified in plans and blanket shall not be visible.

Measurement

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Item Bids

Section 8-01.4(2) is supplemented with the following:

(COB 8-12)
Turbidity and pH Monitoring shall be measured per each report completed.

(COB 12-15)
The Passive or Active Treatment System Complete shall be measured by lump sum for designing, providing, installing and maintaining the Passive or Active Treatment System for the entire duration of the project.

Payment

Item Bids

Section 8-01.5(2) is supplemented with the following:

(COB 8-12)
"Turbidity and pH Monitoring", per each.
The contract price per each for "Turbidity and pH Monitoring" shall be full pay to prepare the turbidity and pH monitoring plan and all labor and equipment costs required to conduct all monitoring and prepare all reports as required by the permitting agency.

(COB 10-18)
"CSWPPP and ESC Plan", lump sum.
The lump sum Contract price for "CSWPPP and ESC Plan" shall be full pay to maintain and update the CSWPPP and ESC Plan to match the contractors operations and erosion control BMP's used as required by the permitting agencies.

(COB 12-15)
"Passive or Active Treatment System Complete", per lump sum.
The contract price per lump sum for "Passive or Active Treatment System Complete" shall be full pay to design, stage, provide, operate and maintain the Passive or Active Treatment System for the duration of the project. The design of the Passive or Active Treatment System shall be completed by a third party independent of the contractor.

No additional staging areas to accommodate these systems will be provided by the City. All costs to secure a location for these systems shall be included in the lump sum item "Passive or Active Treatment System Complete".

8-02 ROADSIDE RESTORATION

Description

Section 8-02.1 is supplemented with the following:

(******)
This work shall consist of removing and disposing of buried previously fabricated debris that may be encountered during soil amendment incorporation or excavation for irrigation systems.

(******)

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This Work shall also consist of constructing and installing benches as shown on the Plans and as specified herein.

Materials

Topsoil Type A

Section 9-14.2(1) is supplemented with the following:

(COB 3-12)
Topsoil Type A shall meet the following:

Sand	greater than 0.05 mm to less than 2mm – 60-70% by volume
Compost	30-40% by volume
Silt	greater than 0.002 mm to less than 0.05 mm - maximum of 35%[1]
Clay	less than 0.002 mm - maximum of 15%[1]
Organic Content	Percent of dry weight – 10% Minimum
Acidity (pH)	5.5 to 7.5

[1] Clay and Silt combined - no greater than 40%

The Contractor shall send a minimum of one representative sample of Topsoil Type A to an approved testing laboratory for fertility testing analysis 30 days prior to use on the project site. All testing shall be done in accordance with the current version of the Methods of Soil Analysis published by the Soil Science Society of America. The soil fertility test analysis and report shall include the following:

Extractable analysis: nitrate nitrogen, ammonium nitrogen, phosphorus, potassium, calcium, magnesium, copper, zinc, manganese and iron.

Saturation extract values: calcium, magnesium, potassium, sodium, boron, sulfate, pH, lime content, salinity and sodium adsorption ratio (SAR).

The Contractor shall be responsible for adding fertilizers and additives as recommended by the testing laboratory reports. All cost associated with fertility testing and adding fertilizers and additives to the top soil shall be the responsibility of the Contractor.

Mulch

Section 9-14.5 is supplemented with the following:

(COB 4-19)
Mulch for roadside restoration and landscaping areas shall be compost based and shall consist of 35-50% Bark or Wood Chips and 50-65% compost.

Compost

Item No. 4 of Section 9-14.5(8) is revised to read as follows:

(COB 3-12)
4. Minimum organic matter shall be 30 percent dry weight basis as determined by the U.S. Composting Council TMECC 05-07A “Loss-On-Ignition Organic Matter Method (LOI).”

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Item No. 8 of Section 9-14.5(8) is revised to read as follows:

(COB 10-19)

8. The compost product must originate from a minimum of 65 percent by volume from recycled plant waste as defined in WAC 173-350-100 as yard debris, wood waste, crop residues, and bulking agents. A maximum of 35 percent by volume of pre- or post-consumer food waste as defined in WAC 173-350-100 may be substituted for recycled plant waste.

Section 8-02.2 is supplemented with the following:

(******)

Bench

Benches shall be one of the following:

1. Austin series, as manufactured by Landscape Forms, Inc.; 7800 E. Michigan Ave., Kalamazoo, MI 49048; (800) 521-2546; https://www.landscapeforms.com.
    a. Seat: backed.
    b. Arms: two (2) end arms.
    c. Finish: frame shall be polyester powdercoated, 'silver' color per manufacturer. Seat slats shall be thermally-modified ash with oil finish.
    d. Installation: surface mount.
2. Iconic series, as manufactured by Maglin Site Furniture, Inc.; 999 18th Street, Suite 3000, Denver, CO 80202; (800) 716-2546; https://www.maglin.com.
    a. Seat: backed.
    b. Arms: two (2) end arms.
    c. Finish: frame shall be polyester powdercoated, 'silver 14' color per manufacturer. Seat slats shall be thermally-treated ash with oil finish.
    d. Installation: surface mount
3. Beacon Hill series, as manufactured by Anova Furnishings; 1424 Talmage Ave., St. Louis, MO 63110; (800) 231-1327; https://www.anovafurnishings.com.
    a. Seat: backed.
    b. Arms: two (2) end arms.
    c. Finish: frame shall be polyester powdercoated, 'textured silver' color per manufacturer. Seat slats shall be thermally-treated ash with oil finish.
    d. Installation: surface mount.
4. Or approved equal.

Seat slats shall undergo proper preparation prior to oil finish application. Contractor shall apply a hardwood exterior penetrating oil, such as Cutek, to exposed wood surfaces per the manufacturer's recommendations.

All metal hardware including bolts, nuts, and anchor bolts shall be Stainless Steel Type 304 unless otherwise noted. All bolts shall have standard cut washers respective size, unless otherwise indicated on the Plans. All stainless-steel bolts to have stainless washers and nuts. Hardware not noted by size shall be sufficient to draw and hold members securely.

All round gaskets shall be rubber neoprene with black color finish or an approved equal. Round gaskets shall be sized respectively to match metal hardware unless otherwise indicated on the plans.

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Construction Requirements

Responsibility During Construction

Section 8-02.3(1) is supplemented with the following:

(COB 8-04)
Landscape construction shall begin after all adjacent curbs, sidewalks, walls, and associated roadside work is completed.

Topsoil

The last sentence of the third paragraph of Section 8-02.3(4) is revised to read as follows:

(COB 1-23)
After the topsoil has been spread, all large clods, hard lumps, rocks and roots 1 inch in diameter and larger, and litter shall be raked up, removed, and disposed of by the Contractor.

Roadside Seeding, Lawn and Planting Area Preparation

Section 8-02.3(5) is supplemented with the following:

(******)
After the initial planting area weed control, soil placement, and grading are completed, and prior to the installation of irrigation lines and planting, all mitigation planting areas (only) shall be covered with compost.

Prior to placement and incorporation of compost, the application and incorporation methods shall be approved by the Engineer.

Compost shall not be placed when a condition exists, such as frozen soil or water saturated soil that may be detrimental to successful application, incorporation, or soil structure.

The Contractor shall notify the Engineer a minimum of five working days prior to the start of compost work.

Compost shall be uniformly and evenly placed in all designated areas at a depth of 6 inches.

After placement of the compost, the Contractor shall incorporate the layer uniformly into the existing soil to a depth of 6 inches.

Planting Area Preparation

(COB 1-23)
Item 3 of Section 8-02.3(5)C is revised to read as follows:

3. Remove excess material, stumps, wood, rocks or roots over 1 inch in diameter and remove from site.

Item 6 of Section 8-02.3(5)C is revised to read as follows:

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6. The areas shall be brought to a uniform finished grade with the root zone flush with the top of curbs and sidewalks and top of the soil shall be rounded at a rate of 1" per foot of width of planter.

Section 8-02.3(5)C is supplemented with the following:

(COB 1-23)
Topsoil shall not be placed until the Engineer has approved the planting area subgrade.

Layout of Planting, Lawn and Seeding Areas

(COB 4-19)
The first sentence of the fourth paragraph of Section 8-02.3(7) is deleted.

Planting

Plant Installation

(COB 4-19)
The second sentence of Item 5 of Section 8-02.3(8)B is deleted.

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

(COB 1-11)
When planting pit is three-quarters backfilled, fill with water and allow water to soak away before filling pit to finish grade.

(COB 8-04)
Water trees immediately after planting.

(COB 1-11)
Furnish and install root barriers for trees adjacent to and parallel with paved surfaces prior to installing plant material.

(COB 1-23)
Furnish and install Tree Watering Bag System on all new planted trees immediately after planning. Tree Watering Bag System shall be filled once weekly between March 1 and October 1 until Physical Completion or end of Plant Establishment Period, whichever comes first. Install per manufactures recommendation.

Pruning, Staking, Guying and Wrapping

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

(COB 8-04)
Street trees shall be staked in accordance with the City of Bellevue Standard Drawing, in Appendix A.

Mulch

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Bark or Woodchip Mulch

The third paragraph of Section 8-02.3(11)B is revised to read as follows:

(COB 4-19)
Mulch shall be placed to a uniform non-compacted depth of 2 inches over all planting areas unless otherwise specified. Mulch shall be feathered to the base of the plant.

Completion of Initial Planting

Section 8-02.3(12) is revised to read as follows:

(COB 4-19)
Upon completion of initial planting within a designated area, the Contractor shall notify the Engineer and request an inspection. The Engineer will make an inspection of all plant material and notify the Contractor, in writing, of any required replacement or corrective action necessary to meet the plant installation requirements. The Contractor shall replace all materials rejected or missing and correct unsatisfactory conditions within 15 working days and request another inspection. Completion of initial planting within a designated area includes the following:

1. 100 percent of each of the plant material categories are installed as shown in the Plans.
2. Planting Area is cleaned up.
3. Repairs are completed, including but not limited to, full operation of the irrigation system.
4. Mulch coverage is complete.
5. All planting areas are in a weed free condition.

Plant Establishment

The second sentence of the third paragraph of Section 8-02.3(13) is revised to read as follows:

(COB 1-22)
This Work shall include, but is not limited to, applying water, removing foreign, dead, or rejected plant material, maintaining all planting areas in a weed-free condition, removing liter from planting areas, and replacing all unsatisfactory plant material planted under the Contract.

The eighth paragraph of Section 8-02.3(13) is revised to read as follows:

(COB 4-19)
Payment for water used to water in plants, or hand watering of plant material or lawn areas, unless otherwise specified, is the responsibility of the Contractor during the plant establishment period or until Physical Completion of the project, whichever is last, including all billings to the irrigation water meter.

Section 8-02.3 is supplemented with the following:

(COB 8-04)

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Property Restoration

Property restoration shall consist of restoring existing landscape areas, including irrigation systems, to their original condition, as directed by the Engineer.

Measurement

Section 8-02.4 is supplemented with the following:

(COB 4-14)
Topsoil, mulch and compost will be measured by the cubic yard.

(******)
Bench shall be measured per each for each installed bench.

Payment

The twenty-first through twenty-fifth paragraphs of Section 8-02.5 are replaced with the following:

(COB 1-22)
Payment of 70 percent of the unit contract price, per each, when the plant material has been accepted by the Engineer and the initial planting work is completed per Section 8-02.3(12).

Payment will be increased to 85 percent of the unit contract price, per each, 6 months into the one-year establishment period when plant establishment work has been maintained per Section 8-02.3(13).

Payment will be increased to 100 percent of the unit contract price, per each, at the completion of the one-year establishment period per Section 8-02.3(13).

Section 8-02.5 is supplemented with the following:

(COB 4-14)
“Topsoil Type A”, per cubic yard.
The unit contract price per each for "Topsoil Type A", shall be full pay for providing the source of the material for Topsoil Type A, for pre-excavation weed control, excavating, loading, hauling, intermediate windrowing, stockpiling, weed control on stockpiles or windrows, and removal, placing, spreading, processing, cultivating and compacting Topsoil Type A.

(COB 2-19)
“Mulch”, per cubic yard.

(COB 4-14)
“ _____ Compost”, per cubic yard.

(COB 8-04)
“Property Restoration”, by force account as provided in Section 1-09.6.

To provide a common proposal for all bidders, the Contracting Agency has entered an amount in the proposal to become a part of the Contractor’s total bid.

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(******)
"Bench", per each.

The unit Contract price for "Bench", per each, shall be full compensation for all labor, material, tools and equipment, supplies and incidental work to satisfactorily complete the work.

8-03 IRRIGATION SYSTEMS

Description

Section 8-03.1 is supplemented with the following:

(******)
This Work includes providing an automatic underground irrigation system to fully water all planting areas, including Temporary Irrigation, as shown on the Plans or as directed by the Engineer.

Construction Requirements

Section 8-03.3 is supplemented with the following:

(******)

Interruption of Existing Irrigation

Contractor shall provide a temporary irrigation supply to affected landscape plantings and street trees existing beyond the project area that are supplied by an existing irrigation system impacted by construction. The existing irrigation system includes all downstream irrigated areas impacted by construction, including areas beyond the project limits, as shown on the Plans. As Built plans for the existing irrigation system are available from the Owner. Contractor shall replace all plant material dead or dying due to interruption of irrigation service.

The Contractor shall verify, in the presence of the Owner and Engineer, operation, location, existing pressure capabilities and continuity of the existing irrigation system, including observation of the operation of each circuit prior to excavation and removal.

The Contractor shall cut the existing irrigation mainline and lateral lines to remain in place during construction per the approved Temporary Irrigation Plan. Sprinkler heads and valves shall be given to the Owner. If the Contractor's operation damages any of the existing irrigation components to remain in place, those components shall be replaced with new material of same make and model, or an approved equal, at no cost to the Owner.

The Contractor shall coordinate the design and installation of the new irrigation system with the existing system to remain in place. The Contractor shall repair all damages incurred during construction to the portions of the existing system to remain in place and shall restore these areas to pre-construction operation and to provide head-to-head coverage. The resulting system, including all new and existing system components, shall function as a single irrigation system, controlled by a single irrigation controller.

(******)

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Temporary Irrigation

Existing irrigated areas beyond the project limits that will be impacted by construction shall be irrigated per the Temporary Irrigation Plan. The Temporary Irrigation Plan must be followed until the irrigation system is complete and approved by the Engineer, and full operation of the existing irrigation system is restored.

If the operation of the existing irrigation system is interrupted during the non-irrigated planting window, temporary irrigation requirements may be waived with the written concurrence of the Engineer only if the new irrigation system is guaranteed in writing to be operational prior to the end of the non-irrigated planting window.

Piping

Irrigation Piping

Section 8-03.3(7)A is supplemented with the following:

(******)

Temporary irrigation mainline, pipes, and manifolds may be installed above grade. Above grade components must be removed prior to final acceptance of the permanent irrigation system.

Irrigation System Installation

Valve, Valve Boxes, Hosebibs

Section 8-03.3(9)C is supplemented with the following:

(******)

Temporary valves, valve boxes, and other components installed as part of the temporary irrigation system may be installed above grade. Above grade components must be removed prior to final acceptance of the permanent irrigation system.

Controller

Section 8-03.3(9)E is replaced with the following:

(******)

Relocate existing irrigation controller and controller cabinet to the new pedestal as shown in the Plans and in accordance with the manufacturer's recommendations, and City of Bellevue Standard details PK-IR-14F and PK-IR-16B. Electrical wire conduit shall extend 3 inches minimum beyond the edge or side of the base, both inside and outside of the pedestal. Reconnect existing wires to the relocated controller at new location. All wire splices must be made using a watertight connector and located inside a valve or junction box. Conduits shall be sized to accommodate all wires according to Section 8-20.

Flushing and Testing

The first sentence of Section 8-03.3(10)C is revised to read as follows:

(COB 1-23)

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All main supply lines shall be purged of air and tested with a minimum static water pressure of 150 psi for 5 minutes without introduction of additional service or pumping pressure.

Section 8-03.3(10) is supplemented with the following:

(COB 1-23)
The Contractor shall advise the Engineer at least 48 hours before pressure tests are to be conducted.

Backfill

Section 8-03.3(11) is supplemented with the following:

(COB 1-23)
The backfilled area shall be restored to its original condition, including the replanting of existing plant material. The Contractor, at no cost to the Contracting Agency, shall replace existing plant material that does not survive.

Adjusting System

The first paragraph of Section 8-03.3(12) is supplemented with the following:

(COB 1-23)
When adjustments are complete, the Contractor shall notify the Engineer and request an irrigation coverage inspection.

System Operation

Section 8-03.3(14) is supplemented with the following:

(COB 1-23)
The entire sprinkler system shall be guaranteed by the Contractor to give complete and satisfactory service for a period of one year from the date of final acceptance of the work by the City of Bellevue.

Should any trouble develop within the one year period, which in the opinion of Engineer, is due to faulty material or workmanship, the trouble shall be corrected, without delay, to the satisfaction of the Engineer at the Contractor's expense.

Payment

Section 8-03.5 is supplemented with the following:

(******)
"Irrigation System", lump sum also includes all costs associated with Temporary Irrigation system, modifications to the existing irrigation system, and relocation of existing irrigation controller.

8-12 CHAIN LINK FENCE AND WIRE FENCE

Materials

Section 8-12.2 is supplemented with the following:

(COB 10-15)

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Coated Chain Link Fence

Chain Link Fence Fabric shall have a fused bonded black vinyl coating. The coating shall be a ultraviolet-insensitive plastic material with a coating of at least 2 mils in thickness. All posts and rails shall be powder coated black.

The Contractor shall provide shop drawings for Chain Link Fence for approval by the Contracting Agency.

Payment

Section 8-12.5 is supplemented with the following:

(April 1, 2002)
"Coated Chain Link Fence Type ___", per linear foot.
Payment for clearing of fence line for "Coated Chain Link Fence Type ___" shall be in accordance with Section 2-01.5.
"Coated End, Gate, Corner, Pull Post for Chain Link Fence", per each.
"Double 14 Ft. Coated Chain Link Gate", per each.
"Double 20 Ft. Coated Chain Link Gate", per each.
"Single 6 Ft. Coated Chain Link Gate", per each.

8-14 CEMENT CONCRETE SIDEWALKS

Description

Section 8-14.1 is supplemented with the following:

(******)
This Work consists of constructing, on a prepared compacted subgrade, cement concrete stairs, landings, and handrails, and subsidiary work as may be necessary, per these Specifications and in conformity with the lines, grades, and cross-sections indicated on the Plans.

Materials

Section 8-14.2 is supplemented with the following:

(******)
Metal handrail shall meet the requirements of Section 9-06.18.

Construction Requirements

The first sentence of Section 8-14.3 is revised to read as follows:

(COB 3-12)
The concrete in the sidewalks shall be air entrained concrete Class 3000, with a maximum 4-inch slump, in accordance with Section 6-02.

Placing and Finishing Concrete

The first sentence of the third paragraph of Section 8-14.3(3) is revised to read as follows:

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(COB 1-25)
Full depth expansion joints shall be constructed with a maximum spacing of 10 feet. Score joints shall be constructed at a maximum distance of 5 feet from each full depth expansion joint.

Stair Handrail

Section 8-14.3(6) is added as the following:

(******)
Stair handrails must be of welded steel pipe construction, fabricated and installed as indicated on the Plans. Welds must be made by certified welders and each weld must be ground and buffed to smooth surface. Rails must be hot dip galvanized according to ASTM A123 after fabrication. If field welds are required, they must be coated with a zinc alloy solder to a minimum thickness of 2.0 mils per ASTM A 780.

Either the railing must be placed completely assembled at the time when stairway concrete is placed or recesses must be provided in the concrete for grouting the railing posts after the concrete has been placed, finished, and cured. The installed railing must be in true alignment, on proper grade, and with posts plumb.

Section 8-14.3 is supplemented with the following:

(******)

Scored Cement Conc. Sidewalk

Full depth expansion joints shall be constructed with a maximum spacing of 10 feet. Architectural score or contraction joints shall be constructed at a maximum distance of 5 feet from each full depth expansion joint or adjacent architectural score joint/ contraction joint.

(******)

Cement Conc. Stairs

Cement concrete stairs shall be constructed as shown in the Plans. Gavel borrow used for the foundation soil shall be shaped and compacted to a firm, even surface.

Cement concrete stairs shall be cured for a minimum of 72 hours in accordance with Section 5-05.3(13).

Measurement

Section 8-14.4 is supplemented with the following:

(******)
Cement Conc. Stairs will be measured per square yard of finished surface, measured on a horizontal plane, and will not include the vertical surface area of the steps.

(******)
Stair Handrail will be measured by the linear foot of the completed installation, measured on a horizontal plane, and will not include the sloped distance along the top of rail.

Payment

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Section 8-14.5 is supplemented with the following:

(******)
"Scored Cement Conc. Sidewalk", per square yard.
The contract bid price for "Scored Cement Conc. Sidewalk" shall be full compensation for all labor, materials, tools, forms, sawcutting and equipment necessary to install the scored cement concrete sidewalks as defined in the Plans, the Standard Specifications and these Special Provisions.

(******)
"Cement Conc. Stairs", per square yard.
The unit Contract price for "Cement Conc. Stairs" shall be full compensation for all labor, materials, including the gravel borrow used as foundation soil, compaction, tools, equipment, and incidental items to complete the work as defined in the Plans, Standard Specifications, and these Special Provisions.

(******)
"Stair Handrail", per linear foot.

8-20 ILLUMINATION, TRAFFIC SIGNAL SYSTEMS, INTELLIGENT TRANSPORTATION SYSTEMS, AND ELECTRICAL

Materials

Junction Boxes, Cable Vaults, and Pull Boxes

Standard Duty and Heavy-Duty Junction Boxes

Section 9-29.2(1) is supplemented with the following:

(COB 2-22)
Junction box lids shall be inscribed with the message "TS/SL", or "COB COMM".

Type 8 Modified Junction boxes shall be supplied with single lid on a 6" deep cover, a 12" riser, and a 3" high by 6" wide foundation, see City of Bellevue Standard Drawings in Appendix A.

All Junction box Lids and Frames shall have a non-skid surface coated with WS Molnar Company SlipNOT Grip Plate Grade 3 Surface, IKG Industries Mebac #1, or Thermion SafTrax TH604 Grade #1.

Electrical Conductors and Cable

Section 9-29.3(2)B is supplemented with the following:

(COB 1-24)
CCTV power cable shall Power over Ethernet (PoE) cable.

Section 9-29.3(2)D is supplemented with the following:

(COB 8-04)
Tray cable shall be flame retardant two conductor stranded copper No. 12 AWG insulated for 600 volts between conductors. The insulation shall consist of a minimum

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average thickness of 15-mils of polyvinyl chloride with a minimum average of 4-mils Nylon jacket. The cable shall have a polyvinyl chloride jacket with a minimum average thickness of 45 mils. If luminaires with remote ballasts are specified in the contract, this same cable shall be used between luminaire and ballast for both timber and ornamental pole construction. If the luminaire requires fixture wire temperature greater than 75°C, the outer jacket shall be stripped for that portion of the cable inside the luminaire. The single conductors shall then be sheathed with braided fiberglass sleeving of the temperature rating recommended by the luminaire manufacturer.

Luminaires

Section 9-29.10 is replaced with the following:

(COB 1-24)
All luminaires shall utilize LED light sources and shall be provided with ANSI 7-pin photocell sockets and wattage labels. Each luminaire shall include a shorting cap or a 7-pin photoelectric cell, as shown in the Plans. The color of the luminaire housing shall match the color of the lighting pole.

The following luminaire(s) shall be provided:

1. Luminaire Catalogue Number:

   *** AR13-CG1-N-MV-27K-BK-035-WL-SC-PCR7-RPA ***

2. Manufacturer Information:

   *** Leotek ***

Electrical Splice Materials

Illumination Circuit Splices

Section 9-29.12(1) is replaced with the following:

(COB 3-21)
Splices at below grade locations shall employ “COB butt splice” type insulation. All connections shall use copper crimped connectors installed with an approved tool designed for the purpose.

COB butt splices shall be constructed by using an un-insulated butt splice, crimp the connection, strip the nylon jacketing (if present) from the conductor in the area to be spliced, encapsulating the splice in two half-lapped layers of professional grade vinyl electrical tape, then covered by a self-fusing vinyl backed sealing mastic for insulating and waterproofing, then covered by two additional half-lapped layers of professional grade vinyl electrical tape.

Pre-approved mastic:
Scotch - Vinyl Mastic #2210
Plymouth – Vinyl Mastic (VM)
Scotch - #33 Super Vinyl Electrical Splice Tape
Scotch - #88 Super Vinyl Electrical Splice Tape

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Service Cabinets

Section 9-29.24 is supplemented with the following:

(COB 4-22)
The Street Lighting Contactor Cabinet shall be ASA 61 grey color.

The cabinet shall be equipped with a 200A Form 12S meter socket located at the top and positioned to permit viewing a meter through a port in the cabinet door. The 5th jaw shall be located in the 9 o'clock position. The metering service shall meet EUSERC section 300 and drawings 308. The test-bypass/safety disconnect shall meet EUSERC drawings 311 or 312. The meter will be provided and installed by others.

All in cabinet equipment to be rated at 22,000 A.I.C.

A copy of the wiring diagram shall be provided in a plastic holder mounted conveniently inside.

Name plates shall be provided or each control component and shall be screw fastened, embossed phenolic, with white letters on black background.

A door-in-door dead front assembly shall be provided to prevent exposure of circuit breakers and wiring. The doors shall be capable of being locked using a standard padlock on the door handle assembly.

Wiring shall be arranged to allow any apparatus to be removed by disconnecting only the lead to the apparatus. Wiring shall conform to NEMA class II C and be appropriately marked with a permanent, indelibly marked, clip sleeve wire marker. Control wire shall be 7 strand no. 14 AWG.

In-cabinet components shall be provided and installed per plan. Cabinets shall be equipped with a three-wire 15 amp. plug receptacle with grounding contact. Space shall be provided within the cabinet to allow for the addition of a time clock.

Phenolic labeling shall be provided and installed, per PSE metering requirements.

Pre-approved Plan	Fabricator
41900 Rev. 4	Skyline Electric
65348 "Tiny Cabinet"	Skyline Electric

Equipment List and Drawings

(COB 2-22)
The third paragraph (up until the colon) of Section 8-20.2(1) is revised to read as follows:

The Contractor shall submit the following information for each different type of luminaire required on the Contract:

Item number 1 in the fourth paragraph of Section 8-20.2(1) is revised to read as follows:

1. Light standards with or without preapproved plans.

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The fifth paragraph of Section 8-20.2(1) is deleted in its entirety.

Construction Requirements

Excavating and Backfilling

Section 8-20.3(2) is supplemented with the following:

(COB 8-04)
Conduits shall be removed, or cut off with conductors removed, conduit capped and abandoned.

Conduit

Section 8-20.3(5) is supplemented with the following:

(COB 1-23)
Conduits smaller than 2-inch electrical trade size shall not be used unless otherwise specified, except: a) grounding conductors at service points may be enclosed in 1 /2 -inch diameter conduit, b) conduit entering pedestrian push button posts shall be 1 inch diameter conduit.

All Type 2 and Type 3 signal poles shall be connected to the nearest junction box with 1-2" conduit and 1-3" conduit.

Conduit stubs from bases shall extend at least 6 inches from the vertical face of foundations and at least 24 inches below grade. All conduit stubs shall be capped.

Communication conduits shall have a minimum bend radius of no less than 12 times the diameter of the conduit.

All conduits used underground, including roadway crossings, bends and elbows, shall be PVC schedule 40.

At the Contractor's option, and at no additional cost to the Contracting Agency, approved jacking or drilling methods may be used with prior written approval by the Engineer.

When approved by the Engineer, the Contractor may cut a 4-inch wide trench outside of roadway and sidewalk areas.

Trench restoration requirements shall be in accordance with the City of Bellevue Design Standards, Pavement Restoration and Trench Backfill.

A minimum of 3 inches of bedding material is required around all conduits.

All conduit trenches shall be backfilled in accordance with Section 7-08.3(3). All backfill shall be mechanically compacted by a power operated tamper or approved alternate. Trenches shall be compacted in accordance with Section 2-03.3(14)C.

Junction Boxes, Cable Vaults, and Pull Boxes

Section 8-20.3(6) is supplemented with the following:

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(COB 4-20)
Prior to the use of any existing junction box, the Contractor shall verify that sufficient bending radius and allowable box fill in conduit inches, as defined by the National Electric Code (NEC), is available both approaching and within the box for the cable being installed. If such is not the case, the Engineer shall be notified and shall be the sole judge of whether new conduit bends or a new junction box shall be installed.

Junction boxes purposed or repurposed for fiber optic communication systems shall have a box depth of no less than 24". Conduits shall be adjusted with a minimum clearance of 18" to the junction box lid.

When using an existing junction box, the Contractor shall modify the junction box such that it will be bonded to the grounding system, except for fiber optic communication junction boxes. Adjustments shall include conduit modifications as necessary to meet NEC and WSDOT requirements.

Wiring

The ninth paragraph of Section 8-20.3(8) is revised to read as follows:

(COB 1-23)
Electrical disconnects shall be installed for each standard supporting a luminaire. For slip-base standards, the disconnects shall be installed in the base of the standard. For non-slip base standards, the disconnects shall be installed in the nearest junction box. Every conductor above ground potential shall be served by a fused quick disconnect kit. Every conductor at ground potential shall be served by an unfused quick disconnect kit.

The tenth paragraph of Section 8-20.3(8) is revised to read as follows:

(COB 1-23)
Tray cable shall be 12-2 VNTC, installed between the disconnects and the luminaire.

(COB 1-25)
The thirteenth paragraph of Section 8-20.3(8) is deleted.

Service, Transformer, and Intelligent Transportation System (ITS) Cabinets

Section 8-20.3(10) is supplemented with the following:

(COB 1-24)
All connections and interfacing with Puget Sound Energy shall conform to Puget Sound Energy requirements.

There shall be one photoelectric cell for each contactor cabinet and it shall be mounted on the luminaire closest to the service cabinet, unless otherwise indicated on the Plans.

Illumination Systems

Light Standards

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The seventh and eighth paragraphs of Section 8-20.3(13)A are revised to read as follows:

(COB 3-21)
All light standards shall be labeled for identification. The full City of Bellevue number is given on the luminaire schedule in the Plans, of which the label shall be the last two digits. For steel standards, the labels shall be 2", reflective, white Series "C" pressure sensitive numbers, located 18" above the base plate.

8-21 PERMANENT SIGNING

Materials

Section 8-21.2 is supplemented with the following:

General

The third paragraph of Section 9-28.1 is revised to read as follows:

(COB 3-23)
The following signs shall use super-high intensity micro-prismatic, retro-reflective sheeting and shall meet ASTM D4956 Type XI specifications:

REGULATORY	Stop (R1-1), Yield (R1-2), Do Not Enter (R5-1), Wrong Way (R5-1a), Keep Rt (R4-7), Turn Restriction (R3-1, R3-2, R3-3, R3-4)
WARNING	Large Arrow (W1-6, W1-7), Chevron (W1-8), Curve/Turn Warning (W1-1, W1-2, W1-3, W1-4, W1-5), Ped (W11-2), School (S1-1), Stop/Yield/Signal Ahead (W3-1, W3-2, W3-3), and all associated plaques
OBJECT MARKING	Object Markers (OM-3L, OM-3R), End of Road Marker
GUIDE	All Street Name Signs, mast arm and post mount
OVERHEAD MOUNTED	All Mast Arm and Overhead Mounted signs, regardless of type.

All other signs shall meet ASTM D4956 Type IV retro-reflectivity specifications.

Reflective Sheeting

Section 9-28.12 is revised to read:

(COB 3-23)
Reflective sheeting material shall conform to ASTM D4956 – *Standard Specification for Retroreflective Sheeting for Traffic Control*. The following standard reflective sheeting types have been modified to reflect Contracting Agency requirements:

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Device Type	Use	Sheeting Color	Allowable Sheeting Types
Permanent Signs			
Permanent Signing	All	All	IV[1], XI
Object Markers	All	All	IV, XI
Temporary Construction Signing			
Warning Signs	All	Fluorescent Orange	VIII, IX, X[2], XI
Regulatory Signs	All	White	IV
Regulatory Signs	Rural	White	II[3], IV
Regulatory Signs	Urban/Rural	White	III[3], IV
Regulatory Signs	All	Red	III, IV
Regulatory Signs	All	Green	II, IV
Regulatory Letters, Border or Symbols		Green	III[3], IV[3]
Temporary Construction Signs	All	All Other Background Colors	III[3], IV
Other Devices			
Barricades	All	White or Orange	III[3], IV
Barrier Delineators	All	White or Yellow	III, IV, V, XI
Bollards	All	All	IV
Flexible Guidepost	All	All	III, IV, V
Pedestrian Channelization Devices	All	White or Orange	III[3], IV
Signal Backplates	Portable Signals		IV
Signal Backplates	Permanent Signals		See Section 9-29.16
Tall Channelization Devices 42-inch	All	Fluorescent Orange/White	III[4], IV[4], VIII, IX, XI[4]
Traffic Cones 28- and 36-inch	All	White or Higher White	III[3], IV
Traffic Safety Drums	All	Fluorescent Orange/White	III[4], IV[4], VIII, IX, XI[4]
Transportable Attenuators	All	Yellow and Black Chevron	III[3], IV
Transportable Attenuators	All	White and Red Chevron	IV
Tubular Markers (portable or pavement mounted)	All	White or Yellow	III[3], IV
Utilities attached to Bridges	All		I, See Section 6-01.10

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Notes:

1. Except S Series signs with fluorescent yellow green sheeting shall use Type XI and Overhead Warning Signs and overhead exit only panels with fluorescent yellow shall use Type IV or XI.

2. Former Type X, not shown in ASTM D4956, however meets requirements of Types VII, IX and XI.

3. Only devices in inventory may be used, new fabrication shall use Type IV.

4. Type III and Type IV orange and white sheeting may be still used through December 31, 2026.

Construction Requirements

Placement of Signs

The first sentence of Section 8-21.3(2) is revised to read as follows:

(COB 8-04)
All reflectorized signs located within 25 feet of the edge of the lane shall be turned 3 degrees out, those more than 25 feet from the edge of the lane shall be turned 3 degrees in.

Sign Removal

The fourth sentence of the fourth paragraph of Section 8-21.3(4) is revised to read as follows:

(COB 8-04)
Wood signs to be removed shall be the property of the Contractor unless otherwise noted in the Plans. All metal signs, all metal sign posts, and wood posts designated by the Engineer, shall remain the property of the Contracting Agency and shall be delivered to a site designated by the Engineer.

8-22 PAVEMENT MARKING

Materials

Section 8-22.2 is supplemented with the following:

(COB 3-12)
Paint
All paint shall be solvent based paint. Waterborne paint will not be permitted for use.

Construction Requirements

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Preliminary Spotting

(COB 5-18)
The first sentence of Section 8-22.3(1) is deleted.

(COB 5-20)
Section 8-22.3(1) is supplemented with the following:

Prior to installing pavement markings the Contractor shall provide preliminary spotting of all channelization. The Contractor shall notify the Engineer at least 48 hours in advance for approval of channelization layout prior to installation

The Engineer will be responsible for the layout of all crosswalk and stop bar markings.

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APPENDICES

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APPENDIX A:
STANDARD DRAWINGS

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LIST OF STANDARD DRAWINGS

CATCH BASIN TYPE 1-P D-3A
VANED GRATE D-6
STANDARD FRAME INSTALLATION D-9
MANHOLE/CATCH BASIN ADJUSTMENT D-23
TYPICAL TRENCH DETAIL D-25
BEVELED END PIPE SECTION D-34
PIPE BEDDING D-46
CLEAN OUT TO GRADE D-52
TRASH RACK DEBRIS BARRIER D-53
ROCK PROTECTION OUTFALL D-59
SIGN INSTALLATION DETAILS SG-100-1
SIDEWALK SW-110-1
SOIL PREPARATION FOR LANDSCAPE STRIPS SW-130-1
JUNCTION BOX IN LANDSCAPE AREAS SL-160-1
COMMUNICATION JUCTION BOX DETAIL SL-180-1
IRRIGATION – ISOLATION VALVE ASSEMBY – CURB STOP VALVE PK-IR-07A
IRRIGATION – AUTOMATIC CONROL VALVE ASSEMBY – STANDARD PK-IR-08A
IRRIGATION – AUTOMATIC CONROL VALVE ASSEMBY – DRIP PK-IR-08B
IRRIGATION – QUICK COUPLER VALVE ASSEMBY – PITCHING MOUND . PK-IR-11A
IRRIGATION – DRIP – TECHLINE – IRREGULAR ARE LAYOUT PK-IR-12C
IRRIGATION – DRIP – TECHLINE – SECTION PK-IR-12D
IRRIGATION – DRIP – TECHLINE – MANUAL FLUSH VALVE PK-IR-12E
IRRIGATION – DRIP – OPERATION INDICATOR PK-IR-12F
IRRIGATION – TYPICAL PK-IR-13A
IRRIGATION – TYPICAL TRENCH SECTION UNDER PRESSURE PK-IR-13B
IRRIGATION – CONTROL PANEL – ESP SITE CONTROLLER PK-IR-14F
IRRIGATION – CONTROL PEDESTAL – SINGLE SIDED WITH POWER PK-IR-16B
PLANTING – SHRUB PK-IM-02A
PLANTING – SHRUB ON SLOPE PK-IM-02B
PLANTING – SHRUB TREE PK-IM-03A
PLANTING – SHRUB TREE ON SLOPE PK-IM-03B
PLANTING – GROUNDCOVER PK-IM-04
TYPICAL TRENCH DETAIL W-6

LIST OF WSDOT STANDARD PLANS

PERMANENT GEOSYNTHETIC WALL D-3.09-00
CAST-IN-PLACE PERMANENT GEOSYNTHETIC WALL FASCIA D-3.10-01
HIGH VISIBILITY FENCE I-10.10-01
SILT FENCE I-30.15-02
BIODEGRADABLE EROSION CONTROL BLANKET PLACEMENT I-60.10-01
LOCKING LID STANDARD JUCTION BOX TYPES 1&2 ..... J-40.10-04
CABLE FENCE L-5.15-00
CHAIN LINK FENCE TYPES 3 AND 4 ..... L-20.10-03

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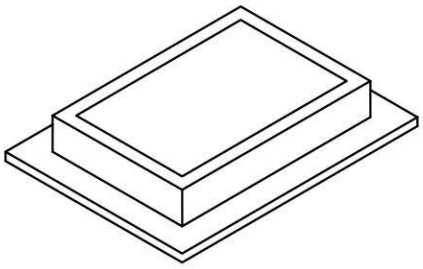
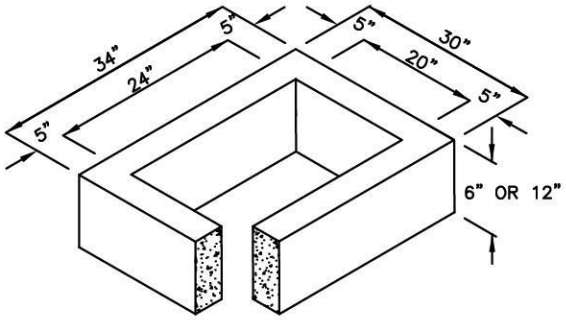
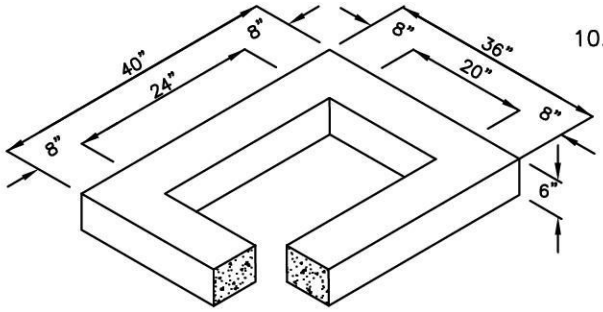


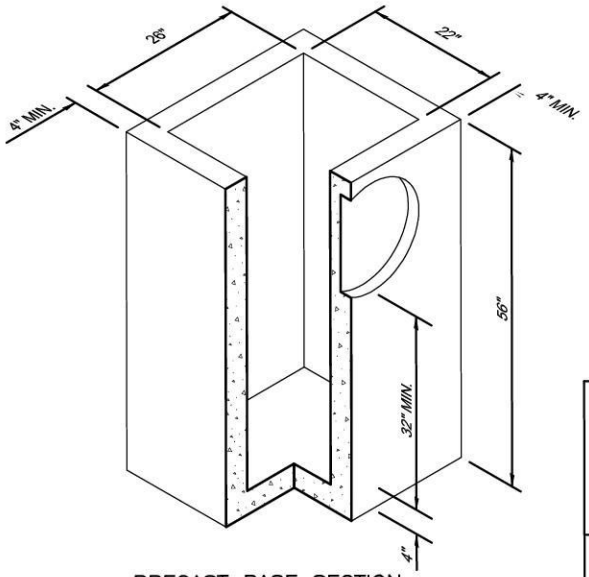
FRAME AND GRATE,
SEE APPLICABLE
STANDARD DETAILS.



RISER SECTION



6" REDUCING SECTION



PRECAST BASE SECTION
(MEASUREMENT AT THE
TOP OF THE BASE)

NOTES:

1. CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C478 (AASHTO M 199) & C890 UNLESS OTHERWISE SHOWN NO PLANS OR NOTED IN THE STANDARD SPECIFICATIONS.
2. AS AN ACCEPTABLE ALTERNATIVE TO REBAR, WELDED WIRE FABRIC HAVING A MIN. AREA OF 0.12 SQUARE INCHES PER FOOT MAY BE USED. WELDED WIRE FABRIC SHALL COMPLY TO ASTM A497 (AASHTO M 221). WIRE FABRIC SHALL NOT BE PLACED IN KNOCKOUTS.
3. APPLY NON–SHRINK GROUT TO INSIDE AND OUTSIDE OF ALL JOINTS, RINGS, RISERS AND FRAMES.
4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A WALL THICKNESS OF 2" MIN. ALL PIPE SHALL BE INSTALLED IN FACTORY PROVIDED KNOCKOUTS. UNUSED KNOCKOUTS NEED NOT BE GROUTED IF WALL IS LEFT INTACT.
5. KNOCKOUT OR CUTOUT HOLE SIZE IS EQUAL TO PIPE OUTER DIAM. PLUS CATCH BASIN WALL THICKNESS.
6. KNOCKOUTS MAY BE ON ALL 4 SIDES WITH MAX. DIAM. OF 18".
7. THE TAPER ON THE SIDES OF THE PRECAST BASE SECTION AND RISER SECTION SHALL NOT EXCEED 1/2"/FT.
8. CATCH BASIN FRAME AND GRATE SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS. MATING SURFACES SHALL BE FINISHED TO ASSURE NON–ROCKING FIT WITH ANY COVER POSITION.
9. MAX. DEPTH FROM FINISHED GRADE TO PIPE INVERT SHALL BE 4'–0".
10. VERTICAL EDGE OF REDUCING SECTION OR BRICK SHALL NOT BE MORE THAN 2" FROM VERTICAL EDGE OF CATCH BASIN WALL.

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

CATCH BASIN TYPE 1–P

JANUARY 2025 NO SCALE

NO. D–3A

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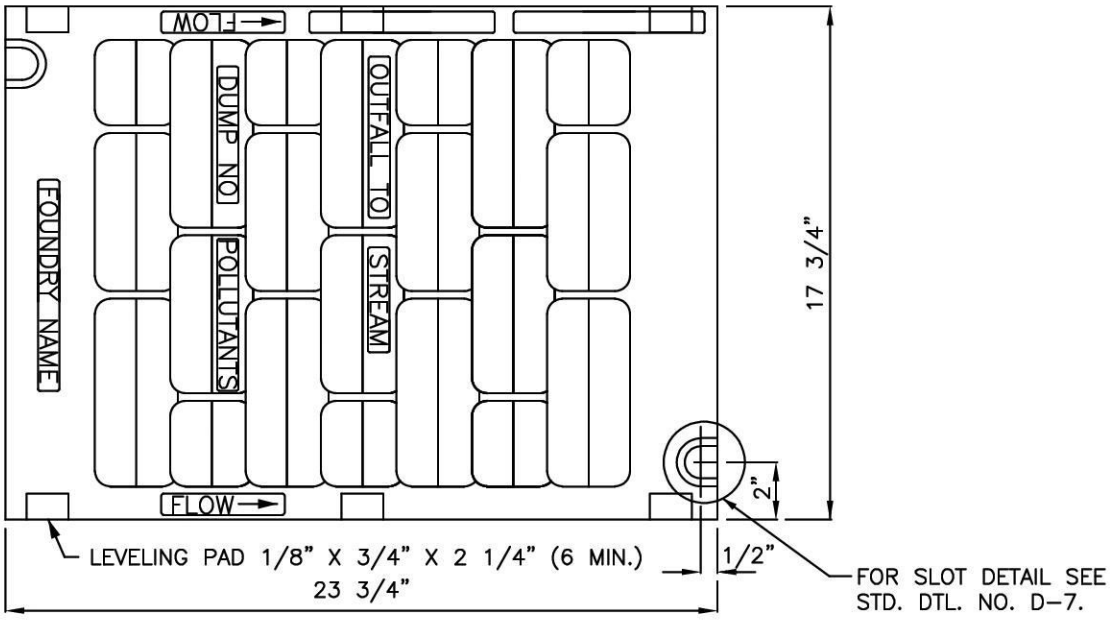
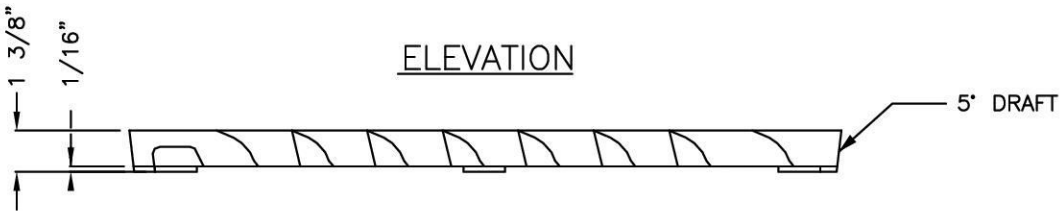
PLAN



ELEVATION



NOTES:

1. USE WITH TWO LOCKING BOLTS 5/8"–11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) BOLTS, 2" LONG. NOTE SLOT DETAIL.
2. MATERIAL IS DUCTILE IRON ASTM A536 GRADE 80–55–06.
3. "OUTFALL TO STREAM DUMP NO POLLUTANTS" IN RAISED LETTERS SHALL BE LOCATED ON GRATE AS SHOWN, OR ON BORDER AREA.
4. SHALL CONFORM TO SEC. 7.05 OF THE STANDARD SPECIFICATIONS.
5. WELDING IS NOT PERMITTED.
6. EDGES SHALL HAVE 0.125" RADIUS, 0.125" CHAMBER OR COMPLETE DEBURRING.
7. USE A BI–DIRECTIONAL VANED GRATE IN SAG VERTICAL CURVES.

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

VANED GRATE

JANUARY 2025 NO SCALE

NO. D–6

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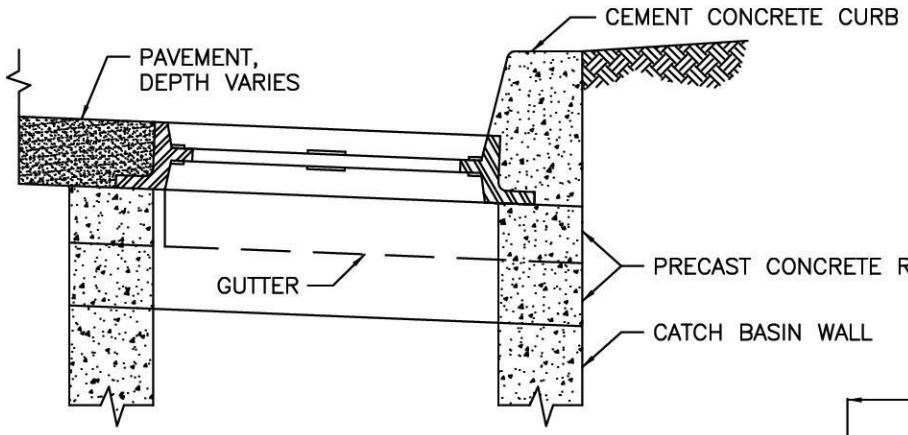
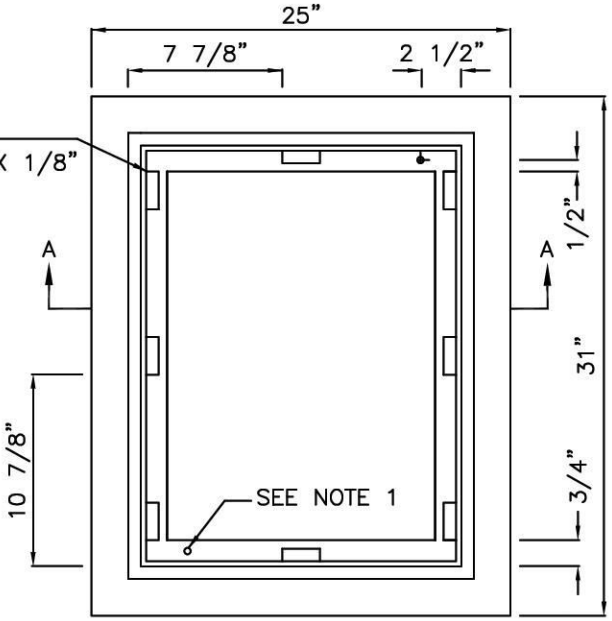
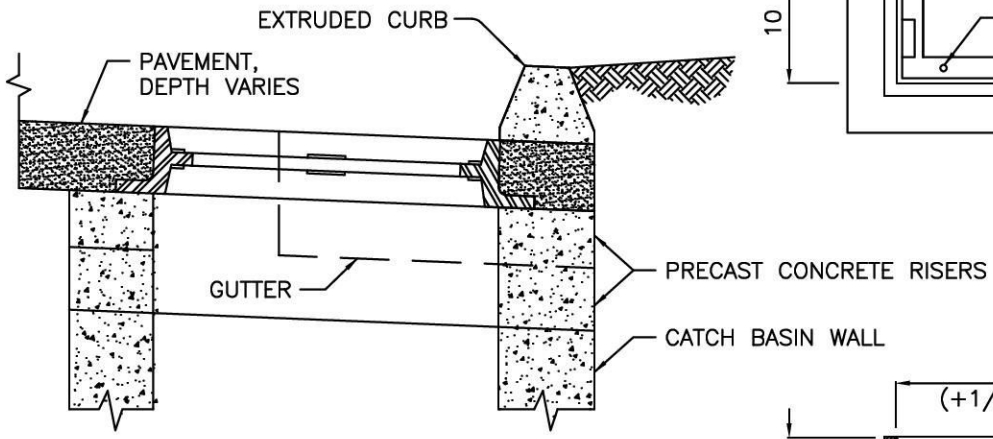


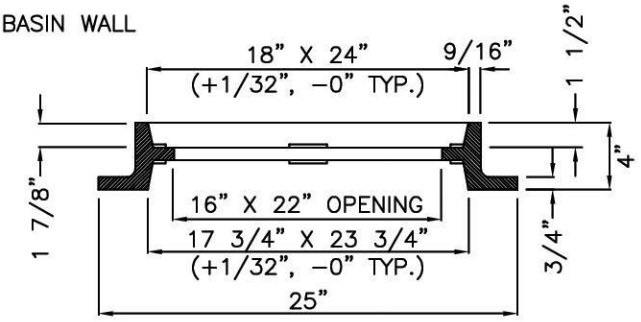
VERTICAL CURB



PLAN



EXTRUDED CURB



SECTION A−A

NOTES:

1. DRILL AND TAP FOR, AND PROVIDE, TWO LOCKING BOLTS 5/8"−11 NC STAINLESS TYPE 304 STEEL SOCKET HEAD (ALLEN HEAD) BOLTS, 2" LONG.
2. FRAME MATERIAL IS CAST IRON PER ASTM A48 CLASS 30 OR BETTER.
3. SET FRAME TO GRADE AND CONSTRUCT ROAD AND GUTTER TO BE FLUSH WITH FRAME.
4. MATCH CENTERLINE OF CATCH BASIN TO CURB LINE FOR TYPE 1 AND 1−L.

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

STANDARD FRAME INSTALLATION

JANUARY 2025 NO SCALE

NO. D−9

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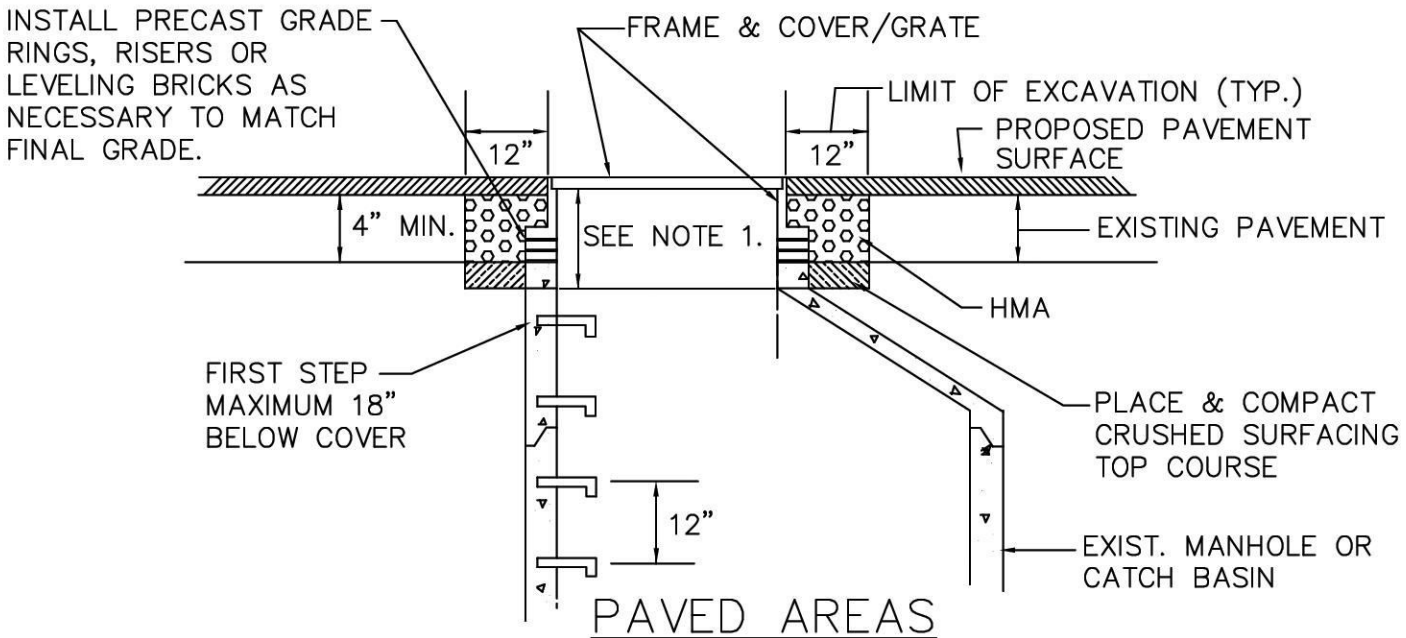
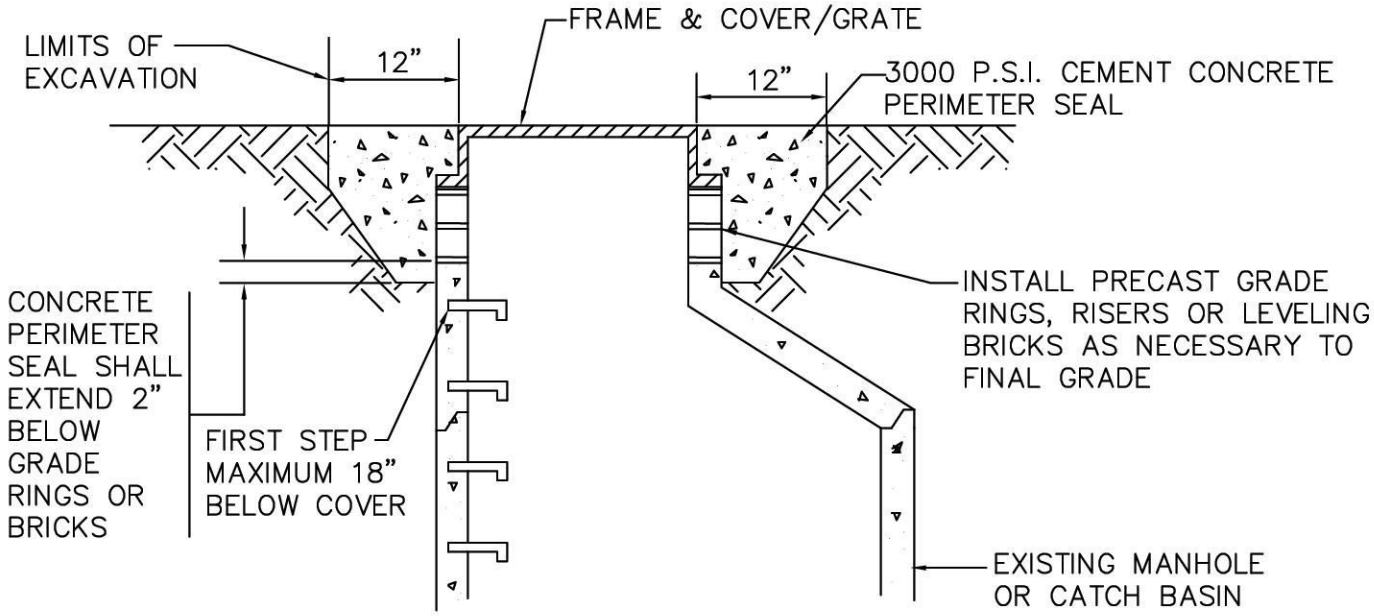


PAVED AREAS



UNPAVED AREAS

NOTES:

1. WHERE DEPTH OF NECK EXCEEDS 24 INCHES, ADJUST MANHOLE/CATCH BASIN TO GRADE BY INSERTING NEW BARREL SECTION BETWEEN THE CONE/SLAB AND EXISTING BARREL.
2. GRADE RINGS, CONCRETE RISERS AND CONCRETE BRICK SHALL BE SET IN 3/4" NON-SHRINK GROUT, PLASTER SMOOTH INSIDE AND OUT.
3. STEPS OR HAND HOLDS SHALL BE ADDED AS NEEDED.
4. PRECAST GRADE RINGS AND RISERS MUST BE CAST WITH GROOVE TO ALLOW FIELD INSTALLATION OF SAFETY STEP.
5. REPLACE EXISTING FRAME AND COVER/GRATE IF NON-STANDARD OR WORN.
6. GROUT INSIDE AND OUTSIDE OF MANHOLE/ CATCH BASIN NECK TO ACHIEVE WATER TIGHT CONSTRUCTION. FINISH SMOOTH THE INSIDE OF THE NECK. USE NON-SHRINK GROUT ONLY.
7. LOCKING RING AND COVERS ARE REQUIRED IN ALL UNPAVED AREAS AND EASEMENTS. LOCKING RING AND COVER SHALL CONFORM TO STANDARD DETAIL D-22.

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

MANHOLE/CATCH BASIN ADJUSTMENT DETAIL

JANUARY 2025 NO SCALE

NO. D-23

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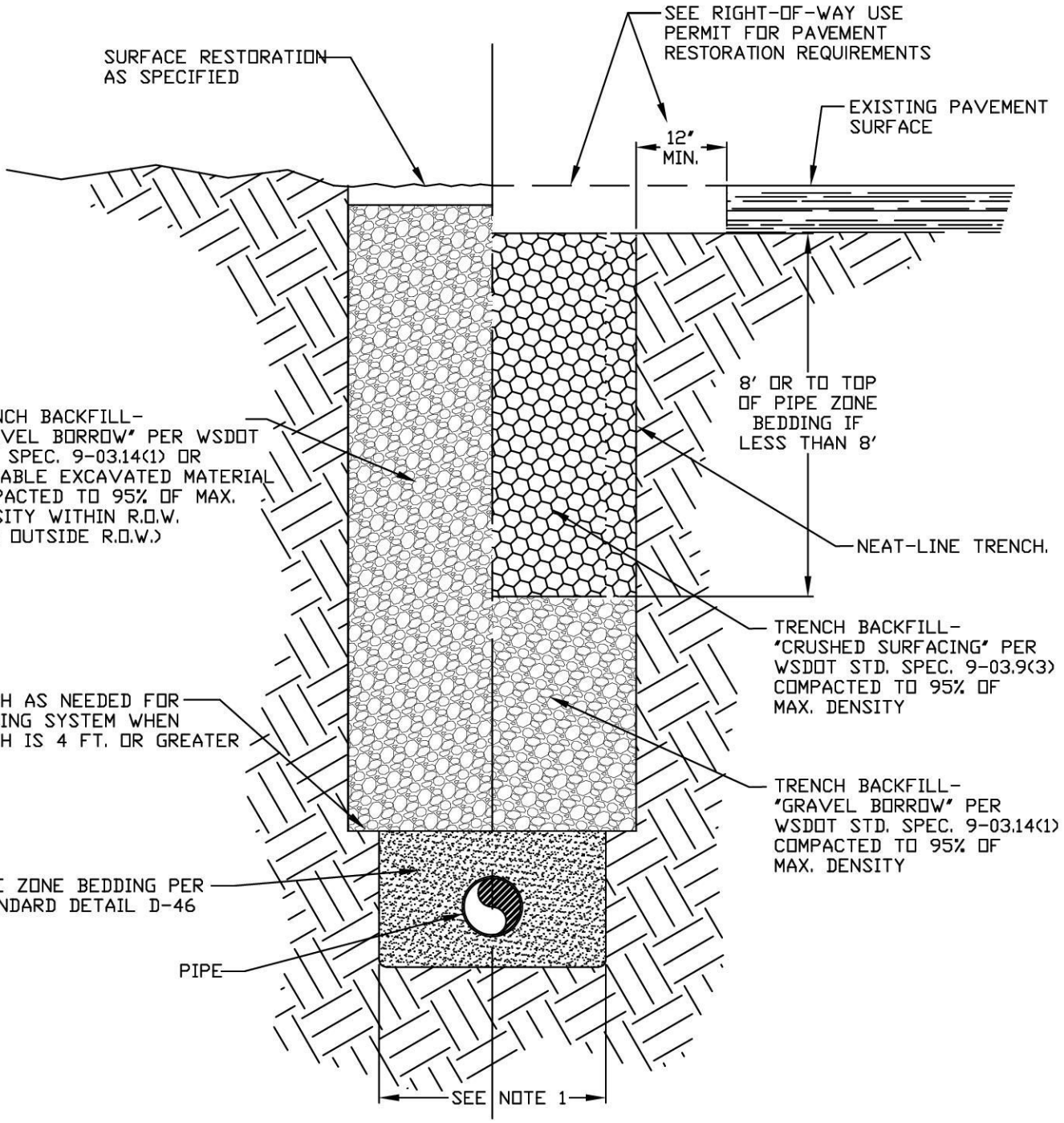

UNPAVED AREAS PAVED AREAS

NOTES:

1. MAXIMUM WIDTH OF TRENCH AT TOP OF PIPE ZONE:
   - 36" FOR PIPE UP TO AND INCLUDING 18" NOMINAL DIAMETER.
   - NOMINAL DIAMETER PLUS 18" FOR PIPE LARGER THAN 18" NOMINAL DIAMETER.
2. EXCAVATIONS OVER 4' DEEP SHALL COMPLY WITH THE SAFETY STANDARD DESCRIBED IN CHAPTER 296-155 - PART N OF THE WAC.
3. SEE "BEDDING, BACKFILL AND COMPACTION" IN CHAPTER D8 OF THE ENGINEERING STANDARDS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
4. RECYCLED CONCRETE RUBBLE SHALL NOT BE USED AS BEDDING IN THE PIPE ZONE, AS TRENCH BACKFILL OR AS BACKFILL ABOVE THE PROJECTED NEAT-LINE TRENCH ABOVE A PIPE OR STRUCTURE.

JANUARY 2025 NO SCALE

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

TYPICAL TRENCH DETAIL

NO. D-25

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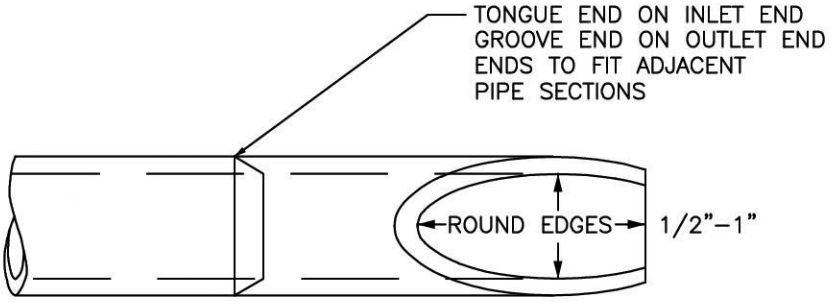
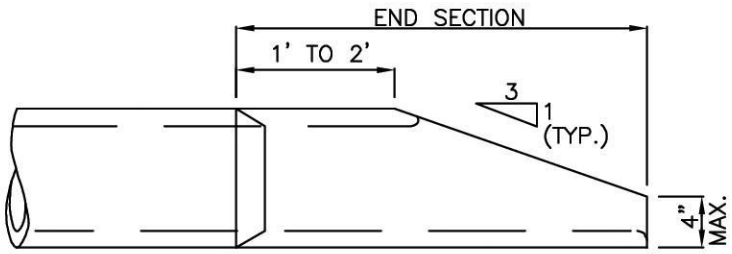
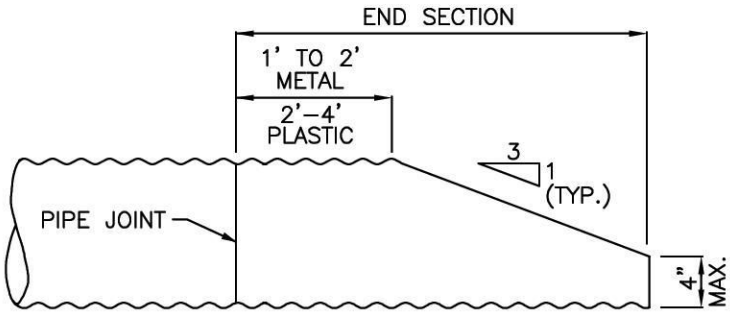


PLAN



ELEVATION

CONCRETE PIPE



ELEVATION

METAL & THERMO–PLASTIC PIPE

NOTE:

1. SIDE SLOPE SHALL BE WARPED TO MATCH THE BEVELED PIPE END. WHEN CULVERT IS ON SKEW, BEVELED END SHALL BE ROTATED TO CONFORM TO SLOPE. IF SLOPE DIFFERS FROM 3:1, PIPE SHALL BE BEVELED TO MATCH SLOPE.

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

BEVELED END PIPE SECTION

JANUARY 2025

NO SCALE

NO. D–34

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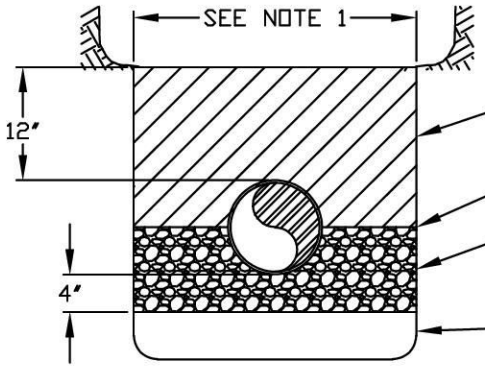


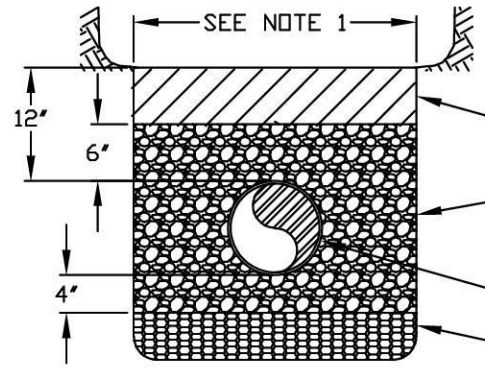
RIGID PIPE BEDDING

COMPACTED BACKFILL (COMPACTED DENSITY PERCENTAGE PER STANDARD DETAIL D-25).

SPRING LINE

COMPACTED BEDDING GRAVEL PER SECTION 9-03.12(3), "GRAVEL BACKFILL FOR PIPE ZONE BEDDING", OF THE WSDOT STANDARD SPECIFICATION.

FOUNDATION MATERIAL, IF REQUIRED (SEE NOTE 2).



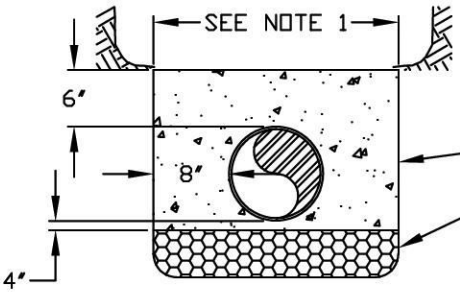
FLEXIBLE PIPE BEDDING

COMPACTED BACKFILL (COMPACTED DENSITY PERCENTAGE PER STANDARD DETAIL D-25).

COMPACTED BEDDING GRAVEL PER SECTION 9-03.12(3), "GRAVEL BACKFILL FOR PIPE ZONE BEDDING", OF THE WSDOT STANDARD SPECIFICATION.

PVC PIPE

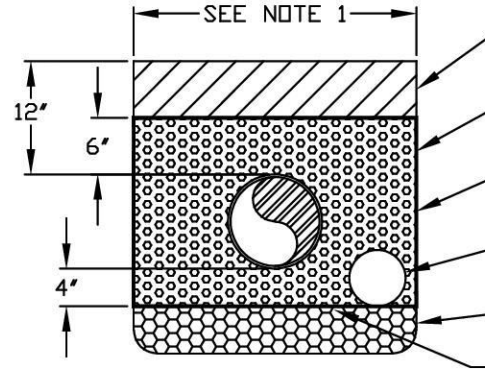
FOUNDATION MATERIAL, IF REQUIRED (SEE NOTE 2).



CONCRETE ENCASEMENT

2000 P.S.I. MECHANICALLY MIXED CONCRETE (SEE NOTE 3)

FOUNDATION MATERIAL, IF REQUIRED (SEE NOTE 2).



DETENTION PIPES WITH UNDERDRAINS

COMPACTED BACKFILL (COMPACTED DENSITY PERCENTAGE PER STANDARD DETAIL D-25).

GEOTEXTILE WRAP AROUND GRAVEL BACKFILL. PROVIDE 12" MIN. OVERLAP AT SEAMS.

1" WASHED ROCK FROM BOTTOM OF UNDERDRAIN PIPE TO CROWN OF DETENTION PIPE.

UNDERDRAIN PIPE (TYP.) 6" MIN. PERF. PER STANDARDS (SEE NOTE 5).

FOUNDATION MATERIAL, IF REQUIRED (SEE NOTE 2).

PERMEABLE GEOTEXTILE WRAP.

NOTES:

1. MAXIMUM WIDTH OF TRENCH AT TOP OF PIPE ZONE: - 36" FOR PIPE UP TO AND INCL. 18" NOMINAL DIAMETER.
   - NOMINAL DIAMETER PLUS 18" FOR PIPE LARGER THAN 18" NOMINAL DIAMETER.
2. EXCAVATE UNSTABLE MATERIAL DOWN TO FIRM SOIL AND REPLACE WITH FOUNDATION MATERIAL PER SECTION 9-03.17, FOUNDATION MATERIAL, CLASS A OR B, OF THE WSDOT STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANCHORING PIPE TO PREVENT FLOTATION DURING CONCRETE PLACEMENT.
4. COMPACTED CRUSHED SURFACING PER SECTION 9-03.9(3), "CRUSHED SURFACING", OF THE WSDOT STANDARD SPECIFICATIONS CAN ALSO BE USED AS PIPE ZONE BEDDING.
5. PROVIDE CLEANOUTS ON UNDERDRAIN PIPE, EVERY 100 FEET, AND AT BENDS OR JUNCTIONS.

JANUARY 2025 NO SCALE

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

PIPE BEDDING

NO. D-46

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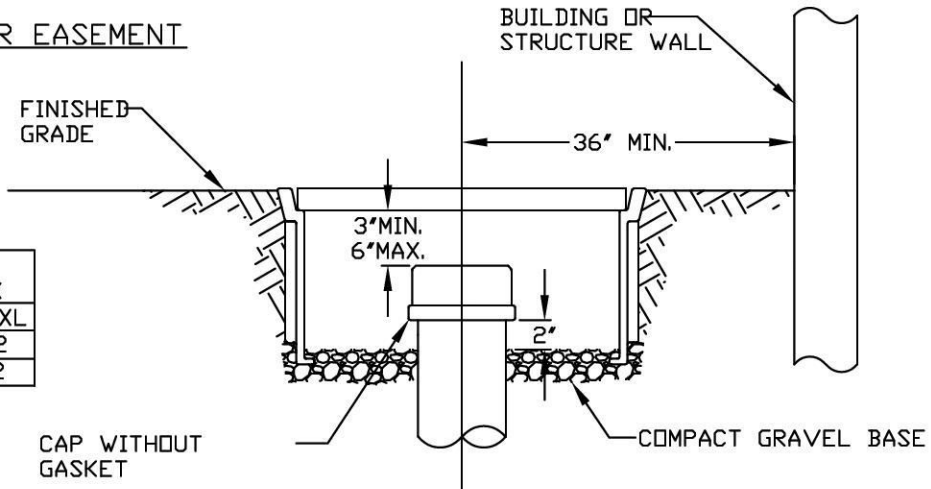
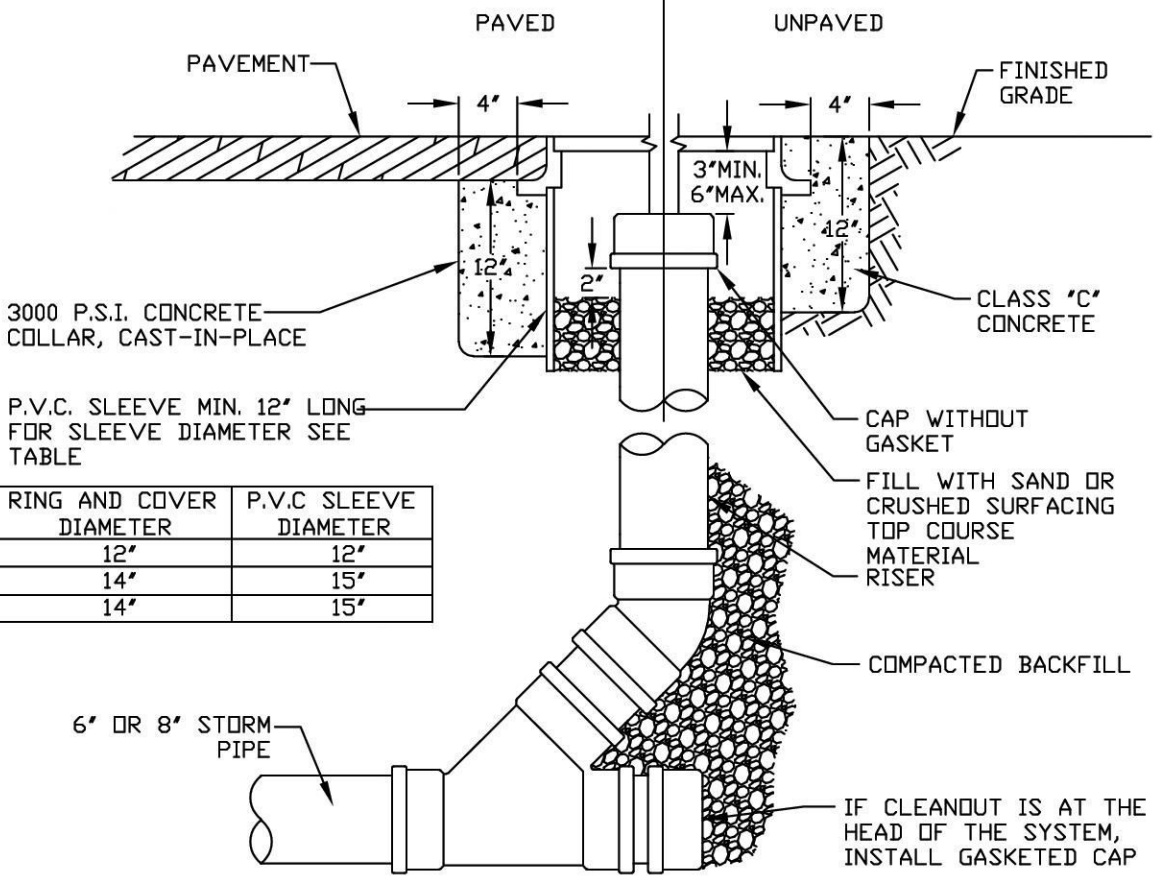
OUTSIDE OF R.O.W OR EASEMENT



C.O. PIPE DIAMETER	MID-STATES PLASTIC BOX
4"	MSBCF-1118-18XL
6"	MSBCF-1324-12
8"	MSBCF-1730-12

RIGHT-OF-WAY OR EASEMENT



C.O. PIPE DIAMETER	RING AND COVER DIAMETER	P.V.C SLEEVE DIAMETER
4"	12"	12"
6"	14"	15"
8"	14"	15"

NOTES:

1. BOLT-LOCKING CAST IRON RING AND COVER SHALL BE USED IN RIGHT-OF-WAY AND EASEMENTS AND MUST BE RATED HS-20 IF USED IN PAVED AREAS. SEE TABLE FOR SIZES.
2. MID-STATES PLASTIC BOX OR EQUAL MAY BE USED IF C.O. IS OUTSIDE OF RIGHT-OF-WAY OR EASEMENT. SEE TABLE FOR SIZES. THE COVER FOR THE PLASTIC BOX SHALL BE DUCTILE IRON AND READ "DRAIN" OR BE BLANK (NO LABEL).
3. CAST IRON COVER SHALL READ "DRAIN."
4. LOCKING BOLTS SHALL BE 5/8"-11 N.C. 304 STAINLESS STEEL SOCKET (ALLEN) HEAD, 2" LONG.
5. 14" BOLT-LOCKING CAST IRON COVER SHALL BE EQUAL TO INLAND FOUNDRY NUMBER 209, OR 210.
6. SPECIAL "DECORATIVE" CASTING MAY BE USED IF PREAPPROVED BY CITY.

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

CLEANOUT TO GRADE

JANUARY 2025 NO SCALE

NO. D-52

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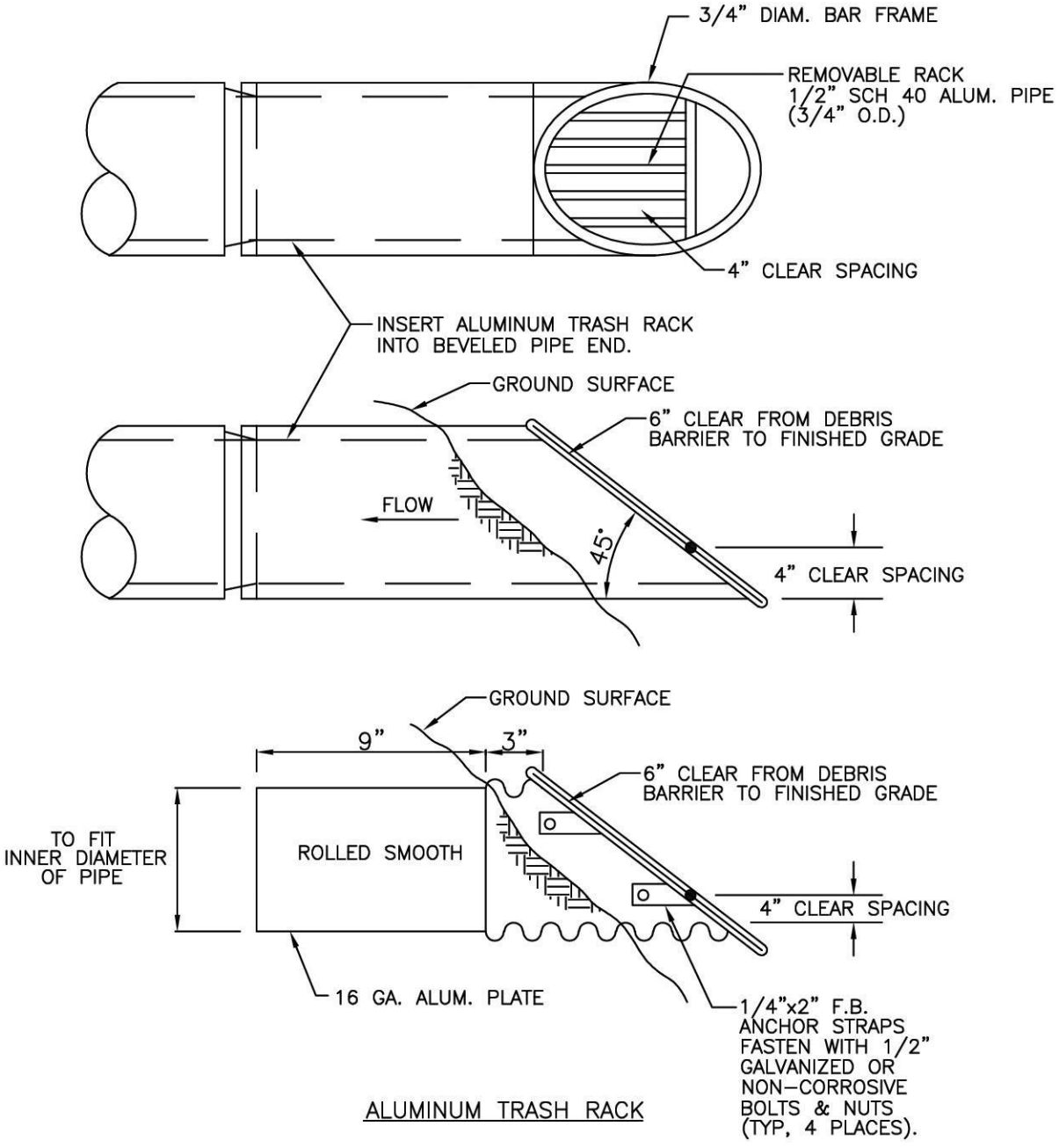

ALUMINUM TRASH RACK

NOTES:

1. ALL STEEL PARTS MUST BE GALVANIZED AND ASPHALT COATED (TREATMENT 1 OR BETTER).
2. CONTRACTOR TO VERIFY DIMENSIONS.
3. TO BE USED IN DETENTION PONDS AND AND PIPES GREATER THAN 18" DIAMETER.

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

TRASH RACK/DEBRIS BARRIER

JANUARY 2025 NO SCALE

NO. D-53

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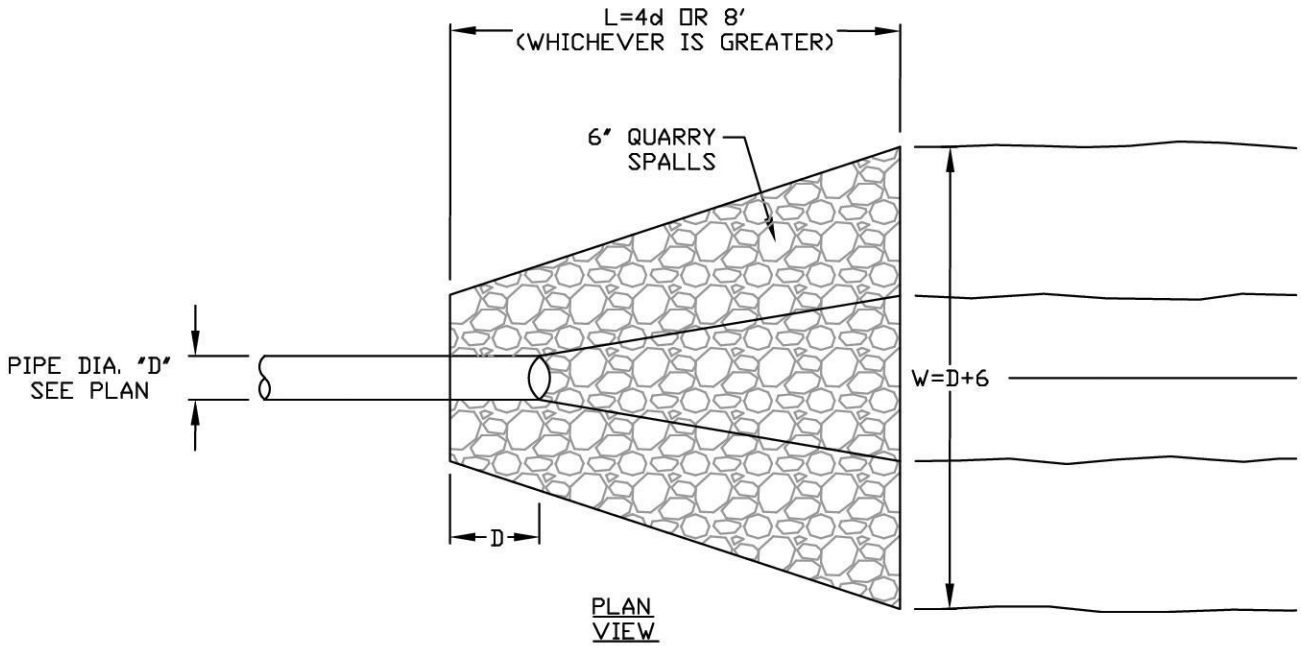
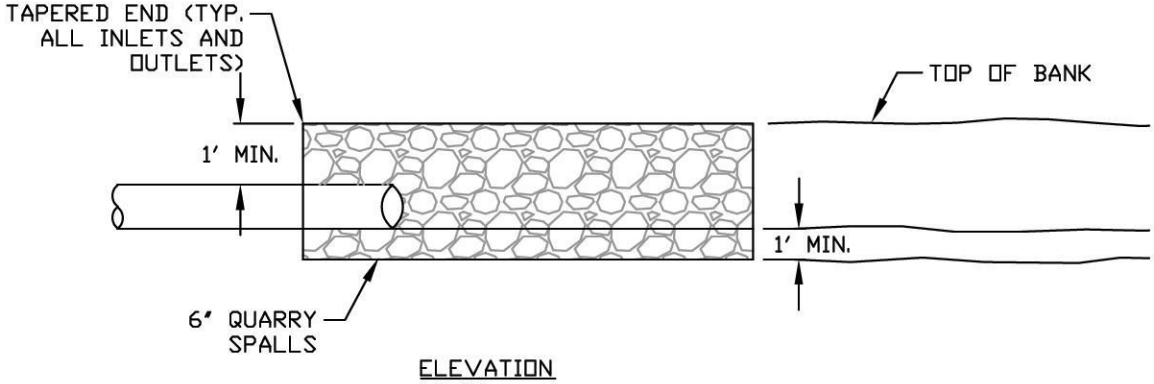


PLAN
VIEW



ELEVATION
VIEW

NOTES:

1. DISCHARGE VELOCITY IS 2.6 FT/SEC (100 YR STORM EVENT) THEREFORE A QUARRY SPALL PAD IS REQUIRED.
2. QUARRY SPALLS SHALL BE IN ACCORDANCE WITH SECTION 9-13.6 OF THE STANDARD SPECIFICATIONS. QUARRY SPALLS SHALL BE REASONABLY WELL GRADED WITH THE FOLLOWING GRADATION:

MAX STONE SIZE	PERCENT PASSING
8"	100%
6"	40% - 60%
2"	0% - 10%

City of Bellevue

STORM AND SURFACE WATER UTILITY

TITLE

ROCK PROTECTION OUTFALL

JANUARY 2025

NO SCALE

NO. D-59

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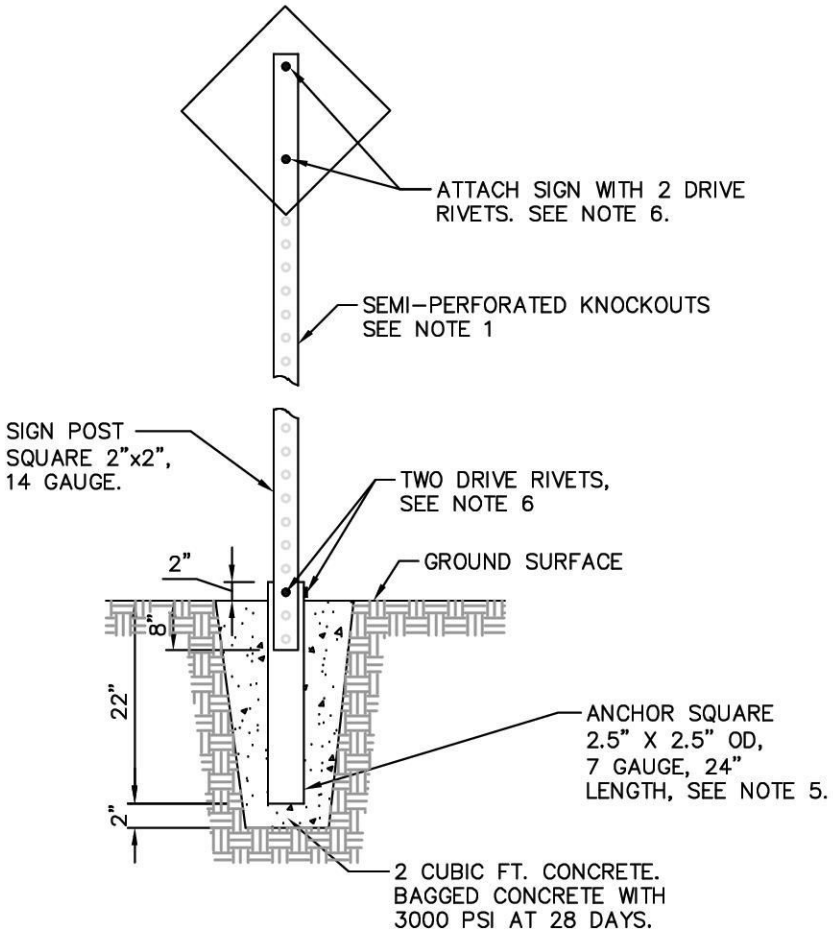

SQUARE METAL POST

SIGN POST NOTES

1. SIGN POST SHALL BE 2"x2" SQUARE STEEL POSTS, MINIMUM 14 GAUGE, WITH 7/16" SEMI-PERFORATED KNOCKOUTS ON 1" CENTERS FULL LENGTH FOUR SIDES..
2. STOP AND YIELD SIGN POSTS SHALL HAVE REFLECTOR ATTACHMENT FOR ALTERNATING 1' BANDS OF RED AND WHITE, SEE STD. DWG. SG-110-1.
3. FOR IN-SIDEWALK INSTALLATIONS, CORE 4" DIAM. HOLE. ANCHOR LENGTH MAY BE DECREASED TO 12".
4. POST SHALL BE ROLLED CARBON SHEET STEEL AND SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A653, G90, STRUCTURAL QUALITY GRADE 50.
5. ANCHOR SHALL HAVE FOUR 7/16" DIAM. HOLES, ONE EACH SIDE, 1" FROM TOP END. ANCHOR SHALL MEET THE REQUIREMENTS OF ASTM A500 GRADE B AND SHALL BE HOT DIPPED GALVANIZED.
6. INSTALL TWO DRIVE RIVETS AT 90 DEGREES TO EACH OTHER. DRIVE RIVETS TO BE 3/8" DIA., ZUMAR TL3806 OR SIMIFAST VCR221.

SIGN INSTALLATION NOTES

1. SIGN SHEETING REQUIREMENTS:
   STOP, YIELD, KEEP RT, TURN RESTRICTION, LARGE ARROW, CHEVRON, CURVE/TURN WARNING, PED & ADV PED CROSSING, SCHOOL AND ADV SCHOOL CROSSING, STOP/YIELD/SIGNAL AHEAD, OBJECT MARKERS, END OF ROAD MARKER, ALL STREET NAME SIGNS AND ALL MAST ARM OR OVERHEAD MOUNTED SIGNS SHALL BE 3M DIAMOND GRADE DG3 REFLECTIVE SHEETING OR APPROVED EQUAL. ALL OTHER SIGNS SHALL BE 3M HIGH INTENSITY PRISMATIC SHEETING, OR APPROVED EQUAL.
2. SIGN HEIGHT SHALL BE 7' FROM BOTTOM OF SIGN TO STREET OR SIDEWALK OR 6.5' FROM BOTTOM OF LOWER SIGN FOR MULTIPLE SIGNS ON ONE POST. EXCEPTIONS ONLY AS SPECIFICALLY STATED ON PLANS OR APPROVED BY THE ENGINEER.

City of Bellevue

SIGN INSTALLATION DETAILS

DRAWING NUMBER	SG-100-1
SCALE	NONE
REVISION DATE	1/25
DEPARTMENT	TRANS

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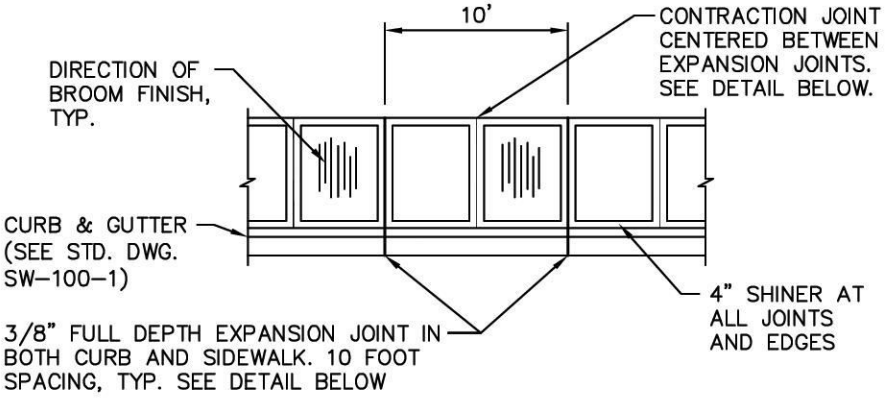
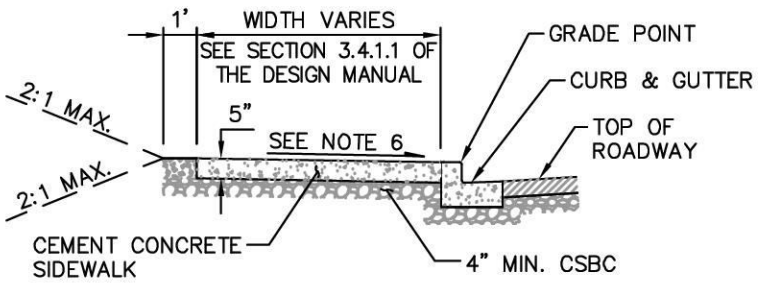
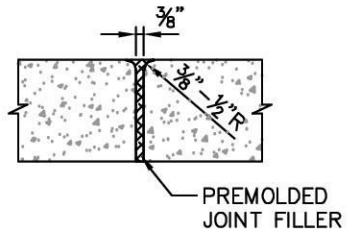


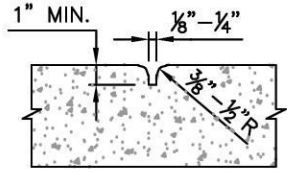
PLAN - CURBSIDE SIDEWALK



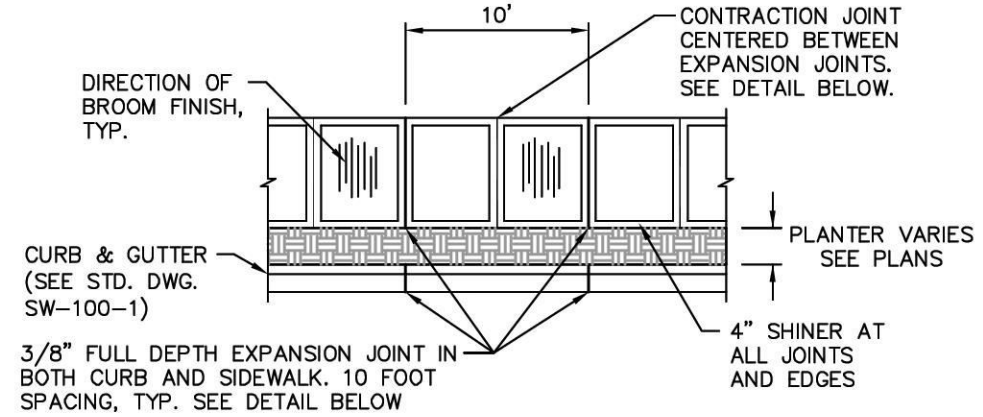
SECTION - CURBSIDE SIDEWALK



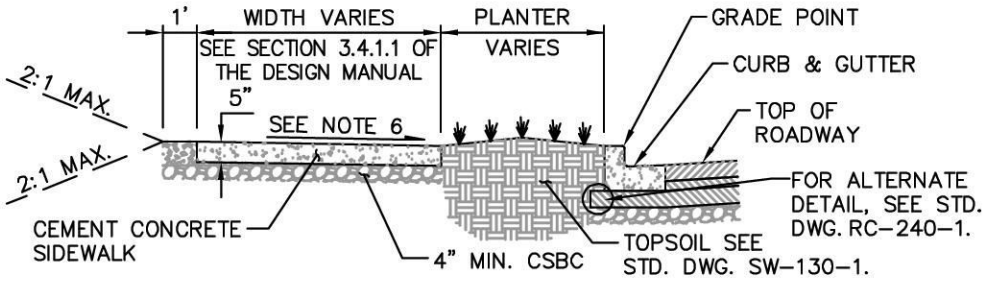
FULL DEPTH EXPANSION JOINT DETAIL



CONTRACTION JOINT DETAIL



PLAN - SIDEWALK WITH PLANTER STRIP



SECTION - SIDEWALK WITH PLANTER STRIP

NOTES:

1. CONCRETE SHALL BE AIR ENTRAINED CLASS 3000 PER SECTION 6-02 OF WSDOT STANDARD SPECIFICATIONS.
2. FINISH: BRUSHED WITH A STIFF BRISTLED BROOM PERPENDICULAR TO THE TRAVEL DIRECTION OF THE SIDEWALK.
3. CSBC (4" MIN.) SHALL BE COMPACTED TO 95% MAX. DENSITY.
4. REMOVAL/REPLACEMENT OF CEMENT CONCRETE CURB AND SIDEWALK SHALL BE FROM EXPANSION JOINT TO EXPANSION JOINT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
5. LIDS FOR JUNCTION BOXES AND UTILITY VAULTS SHALL BE NON-SLIP AS SPECIFIED BY THE ENGINEER.
6. CROSS SLOPE 2% MAXIMUM, 0.5% MINIMUM. USE 1.5% UNLESS OTHERWISE APPROVED BY ENGINEER.

City of Bellevue

SIDEWALK

DRAWING NUMBER	SW-110-1
SCALE	NONE
REVISION DATE	1/25
DEPARTMENT	TRANS

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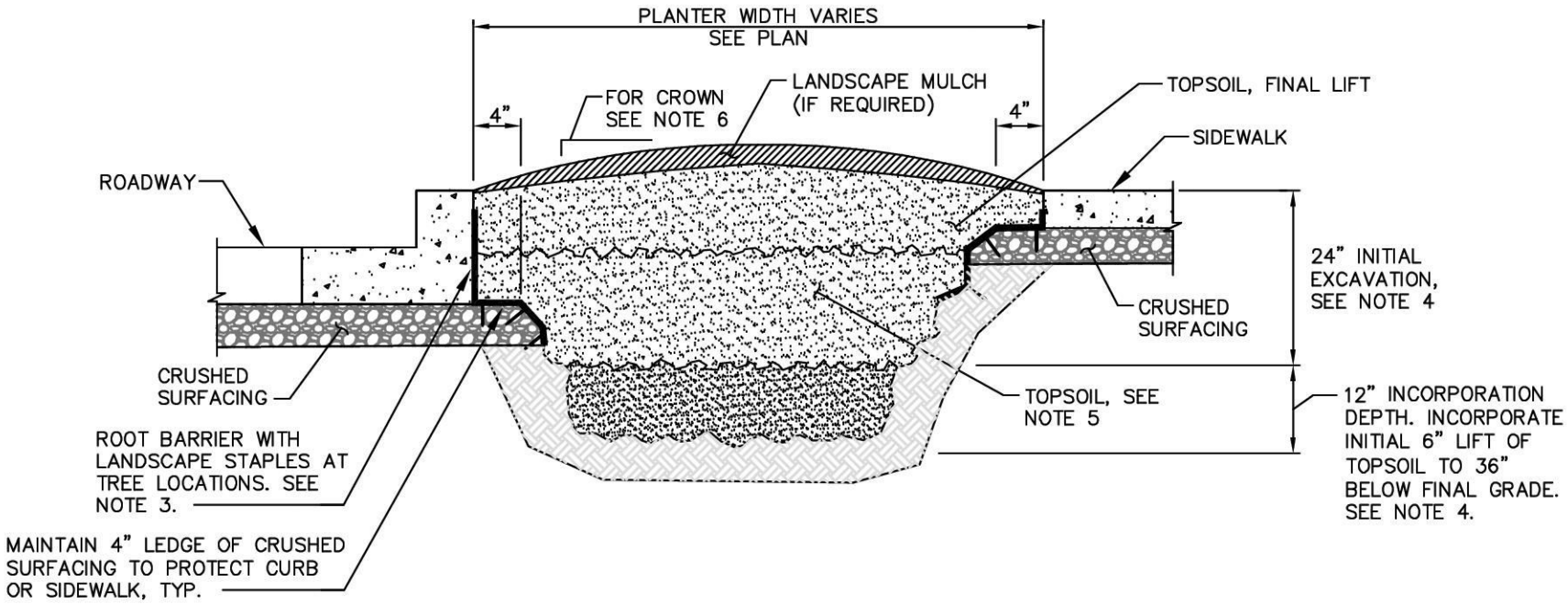

SOIL PREPARATION NOTES

1. EXCAVATE EXISTING SOIL TO 24"± DEPTH FROM TOP OF ADJACENT CURB OR SIDEWALK. AVOID UNDERMINING ADJACENT CURB OR SIDEWALK.
2. ROOT BARRIER SHALL BE FLEXIBLE MESH MATERIAL, 100% NYLON, RASCHEL KNIT CONSTRUCTION, MINIMUM BURST STRENGTH 250 LBF (ASTM D 3787–89 BURST OF KNIT GOODS).
3. INSTALL ROOT BARRIER WITH A MINIMUM WIDTH OF 18", SECURE WITH LANDSCAPE STAPLES AS NECESSARY. ROOT BARRIER SHALL BE INSTALLED IN 10' LENGTHS AT TREE LOCATIONS, CENTERED TO EXTEND 5' EITHER SIDE OF TREE, AND SHALL BE INSTALLED NO HIGHER THAN 2" BELOW THE TOP OF CURB OR SIDEWALK. ROOT BARRIERS SHALL NOT BE INSTALLED AT LOCATIONS WHERE STRUCTURAL SOIL OR SOIL CELLS EXIST.
4. EXCAVATE TO 24" BELOW FINAL GRADE. ADD 6" LIFT OF TOPSOIL AND INCORPORATE TO 36" BELOW FINAL GRADE (12" INTO THE SUBGRADE). ADDITIONAL LIFTS SHALL BE ADDED AS SPECIFIED IN NOTE 5.
5. INSTALL 12"± LIFT OF TOPSOIL TYPE A AND LIGHTLY TAMP BETWEEN LIFTS.
6. INSTALL FINAL LIFT OF TOPSOIL TYPE A TO ACHIEVE FINISH GRADE, FLUSH WITH THE TOP OF CURB OR SIDEWALK WITH A CENTER CROWN, AND LIGHTLY TAMP. PROVIDE 1" CENTER CROWN PER 12" OF PLANTER WIDTH.
7. INSTALL 1.5" LANDSCAPE MULCH, FULL DEPTH IN THE CENTER AND FEATHERED AT THE EDGES TO BECOME FLUSH WITH CURB OR SIDEWALK.

City of Bellevue

SOIL PREPARATION FOR LANDSCAPE STRIPS

DRAWING NUMBER	SW–130–1
SCALE	NONE
REVISION DATE	1/25
DEPARTMENT	TRANS

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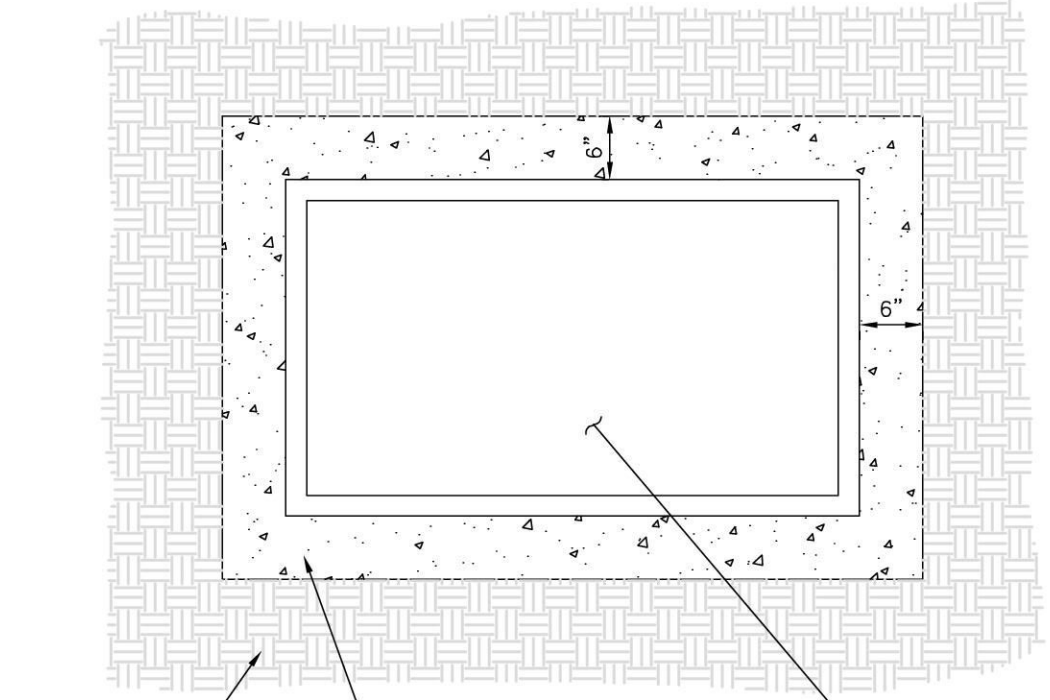
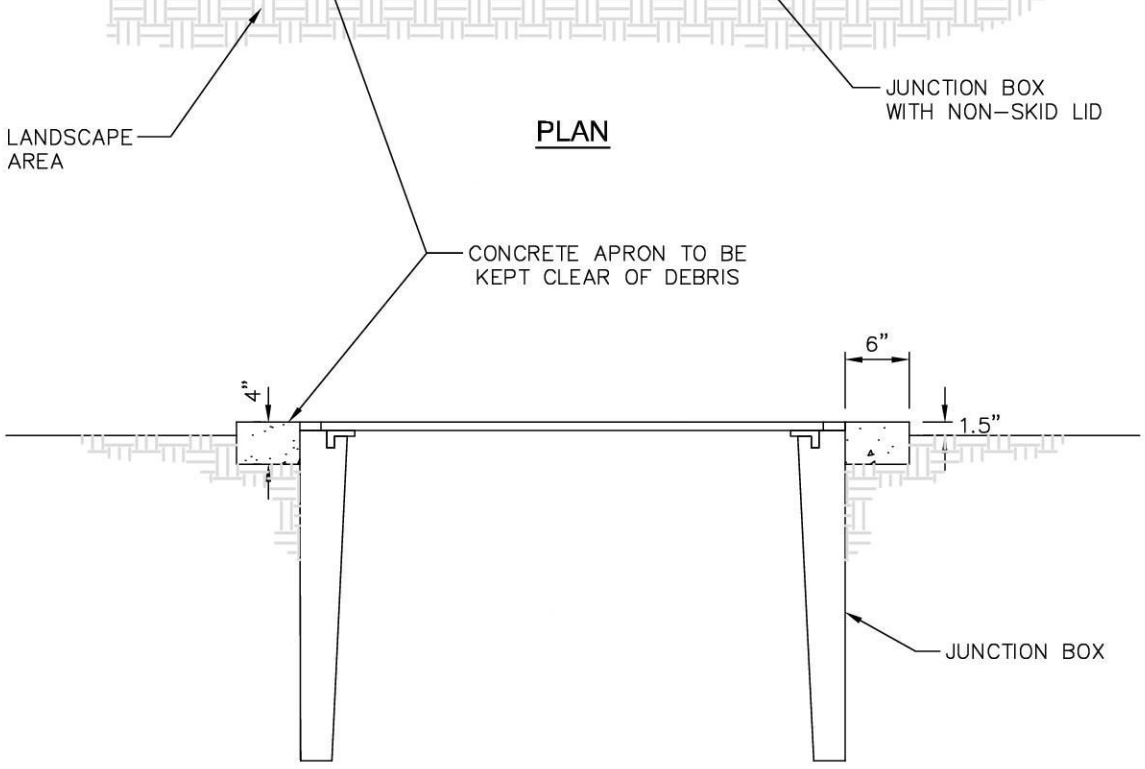
DRAWING NUMBER	SL-160-1
SCALE	NONE
REVISION DATE	12/22
DEPARTMENT	TRANS

JUNCTION BOX IN LANDSCAPE AREAS



PLAN



CROSS SECTION

NOTE: DO NOT INSTALL CONCRETE COLLAR IN SIDEWALK OR ASPHALT PATH

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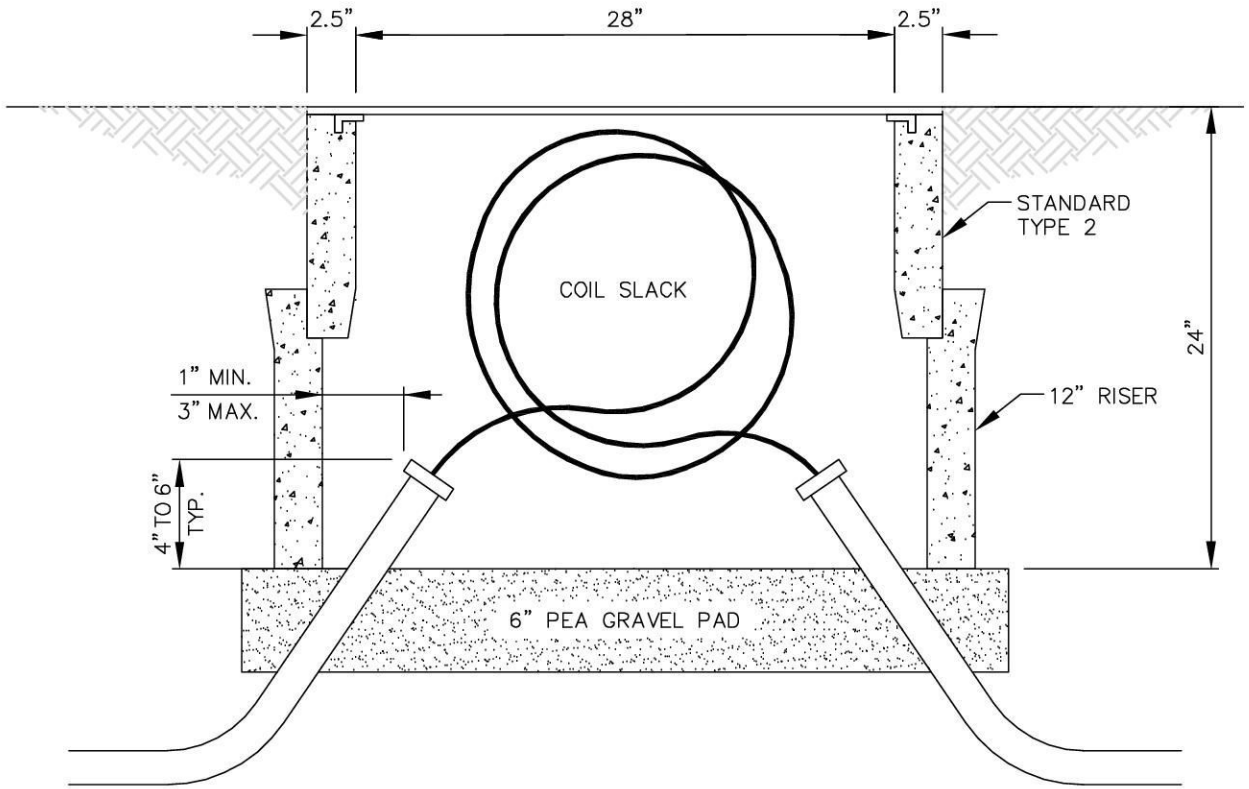

MODIFIED TYPE 2 JUNCTION BOX

City of Bellevue

COMMUNICATION JUNCTION BOX DETAIL

DRAWING NUMBER	SL-180-1
SCALE	NONE
REVISION DATE	2/24
DEPARTMENT	TRANS

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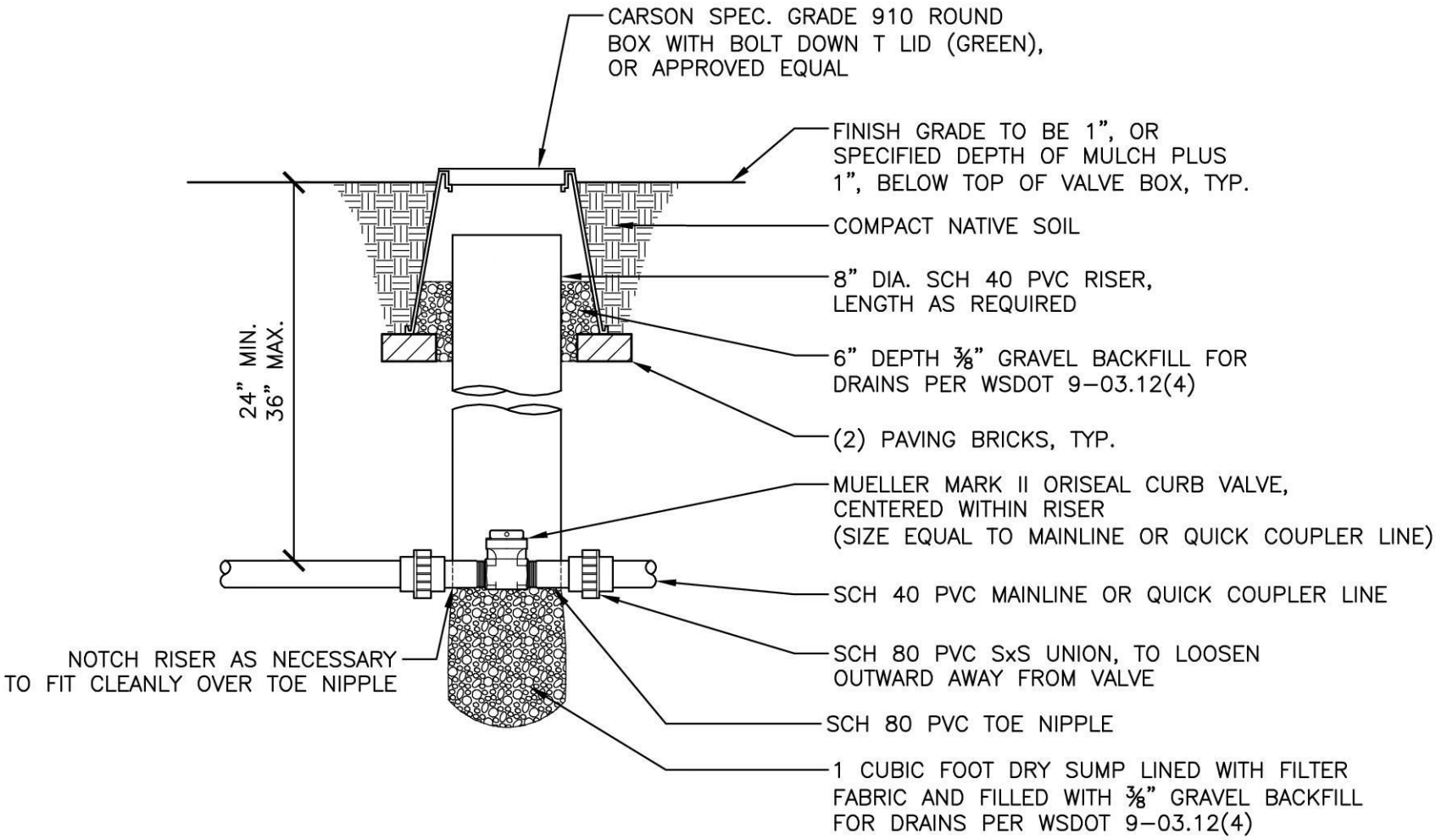

NOTE: USE NO FEMALE OR MALE ADAPTERS.

City of Bellevue

TITLE:

IRRIGATION - ISOLATION VALVE ASSEMBLY - CURB STOP VALVE

DRAWING #:	PK-IR-07A
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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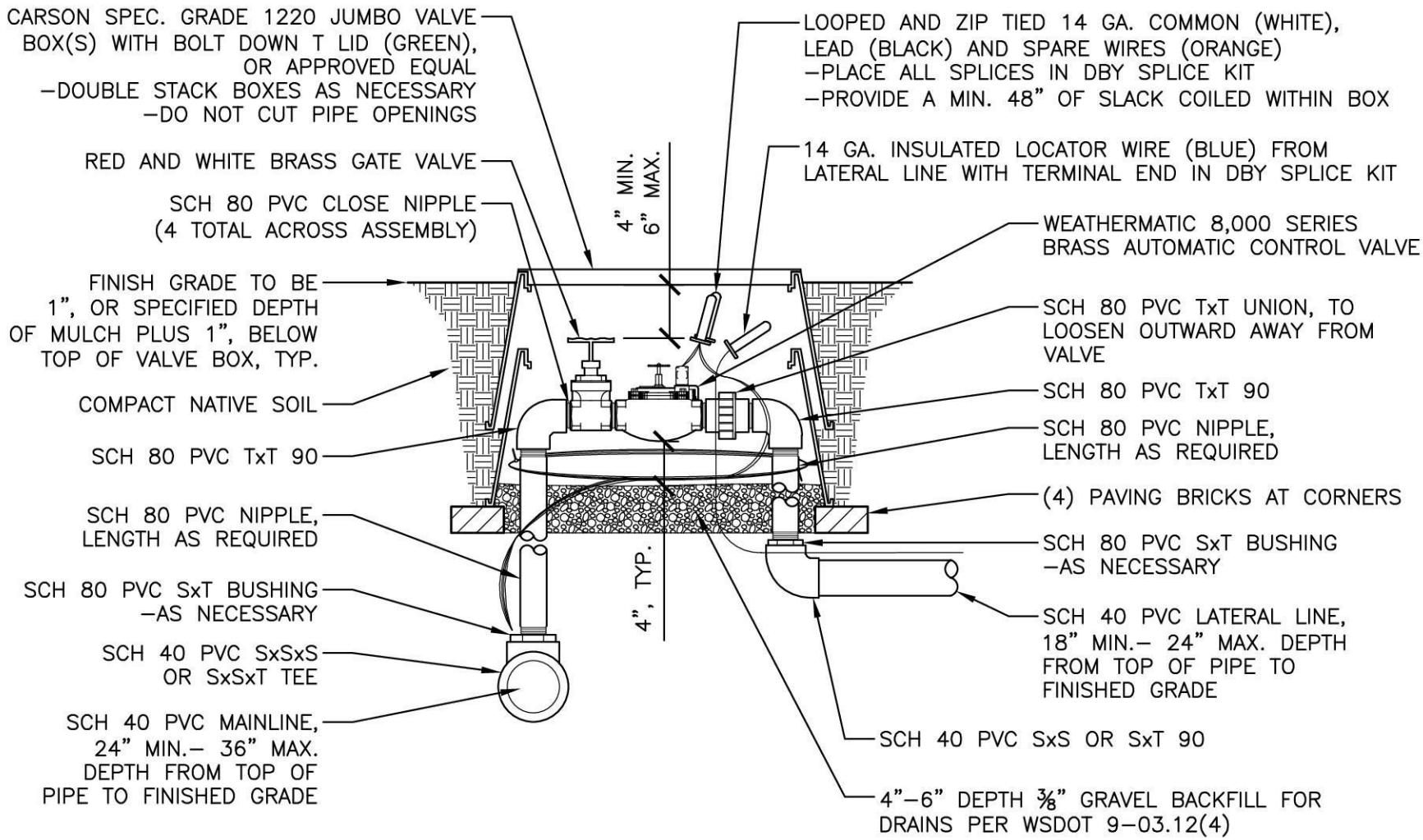

NOTES:

1. ASSEMBLY SIZE DETERMINED BY VALVE INLET SIZE.
2. ALL THREADED FITTINGS TO RECEIVE TEFLON TAPE (3 WRAPS MIN.).
3. ALL VALVES TO RECEIVE CHRISTY'S 2¼"x2¾" YELLOW I.D. TAGS WITH BLACK LETTERS (BOTH SIDES) WITH CONTROLLER STATION NUMBER, OR APPROVED EQUAL.

City of Bellevue

TITLE:

IRRIGATION - AUTOMATIC CONTROL VALVE ASSEMBLY - STANDARD

DRAWING #:	PK-IR-08A
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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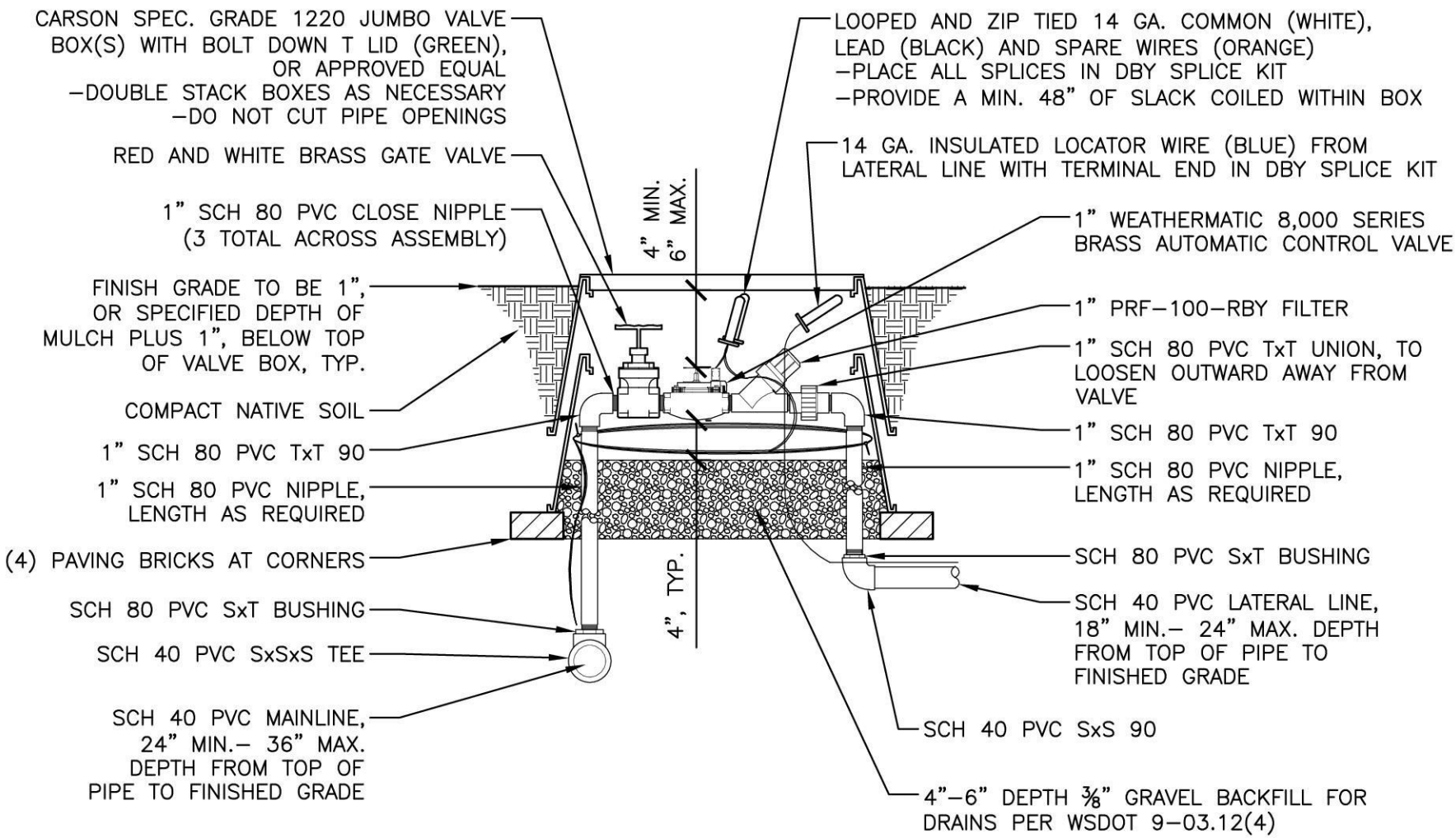

NOTES:

1. ASSEMBLY SIZE DETERMINED BY VALVE INLET SIZE.
2. ALL THREADED FITTINGS TO RECEIVE TEFLON TAPE (3 WRAPS MIN.).
3. ALL VALVES TO RECEIVE CHRISTY'S 2¼"x2¾" YELLOW I.D. TAGS WITH BLACK LETTERS (BOTH SIDES) WITH CONTROLLER STATION NUMBER, OR APPROVED EQUAL.

City of Bellevue

TITLE:

IRRIGATION - AUTOMATIC CONTROL VALVE ASSEMBLY - DRIP

DRAWING #:	PK-IR-08B
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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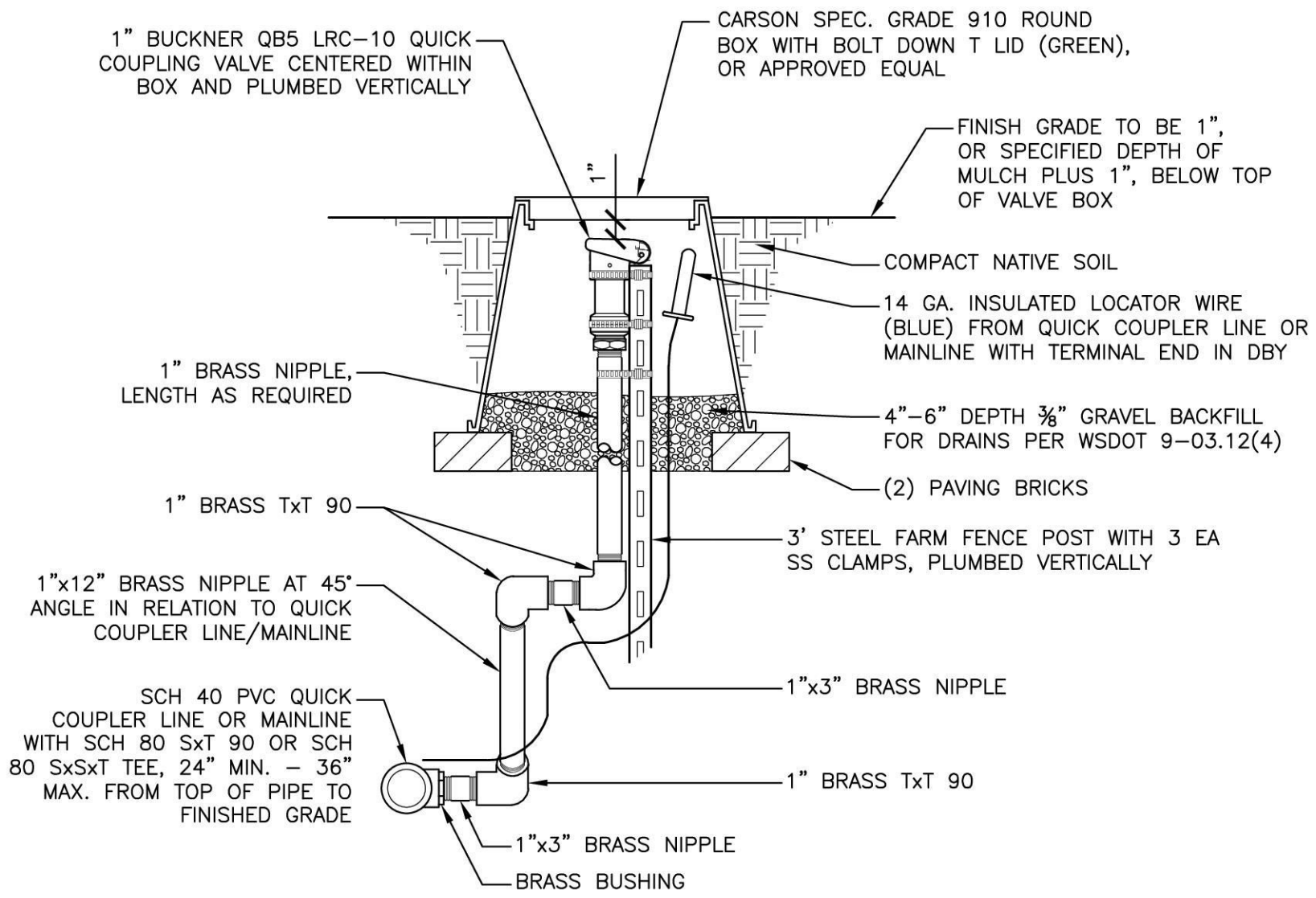

City of Bellevue

TITLE:

IRRIGATION - QUICK COUPLER VALVE ASSEMBLY - STANDARD

DRAWING #:	PK-IR-11A
SCALE:	N.T.S.
REVISION DATE:	01-2021
DEPARTMENT:	PARKS

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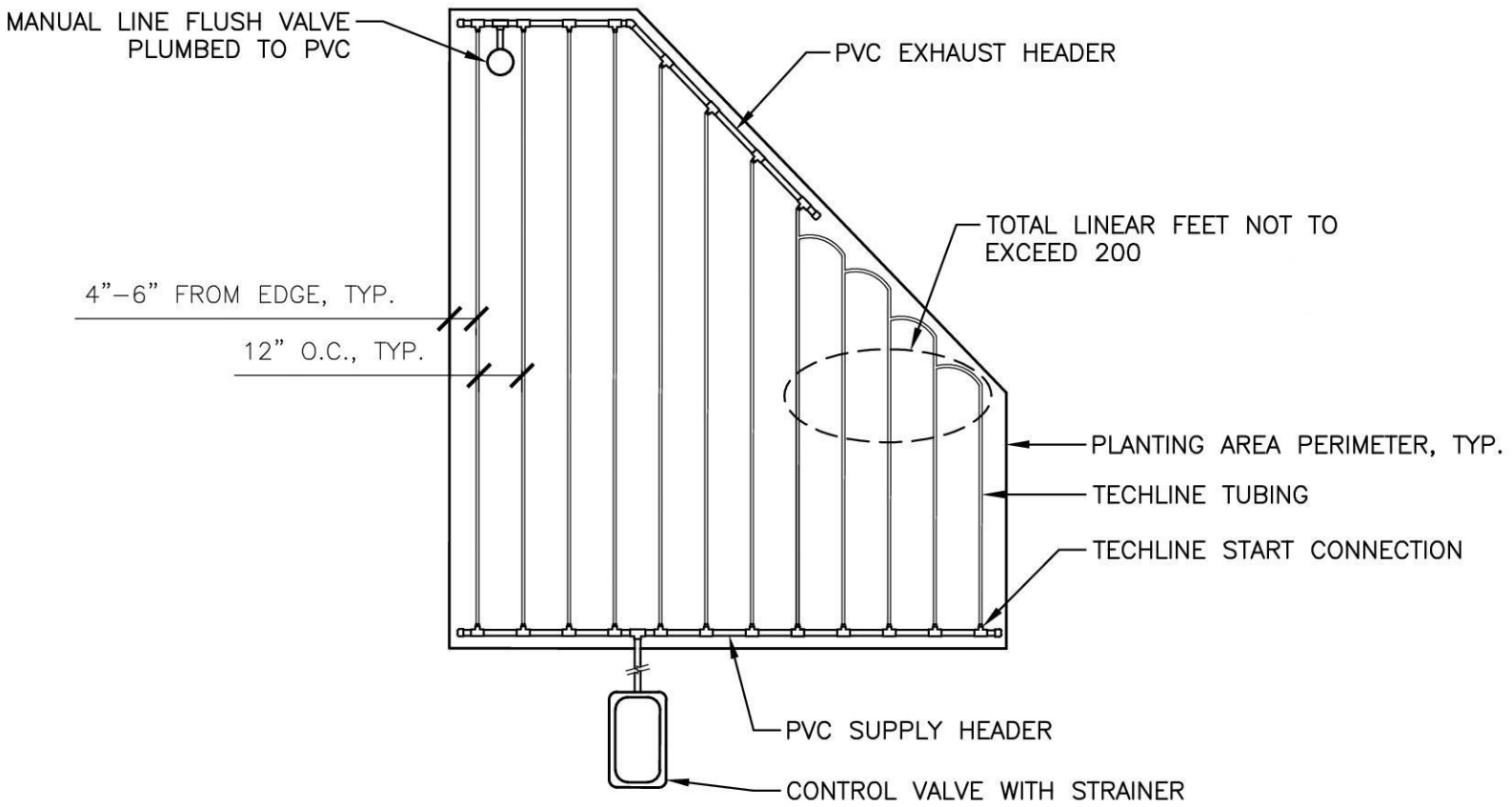

City of Bellevue

TITLE:

IRRIGATION - DRIP - TECHLINE - IRREGULAR AREA LAYOUT

DRAWING #:	PK-IR-12C
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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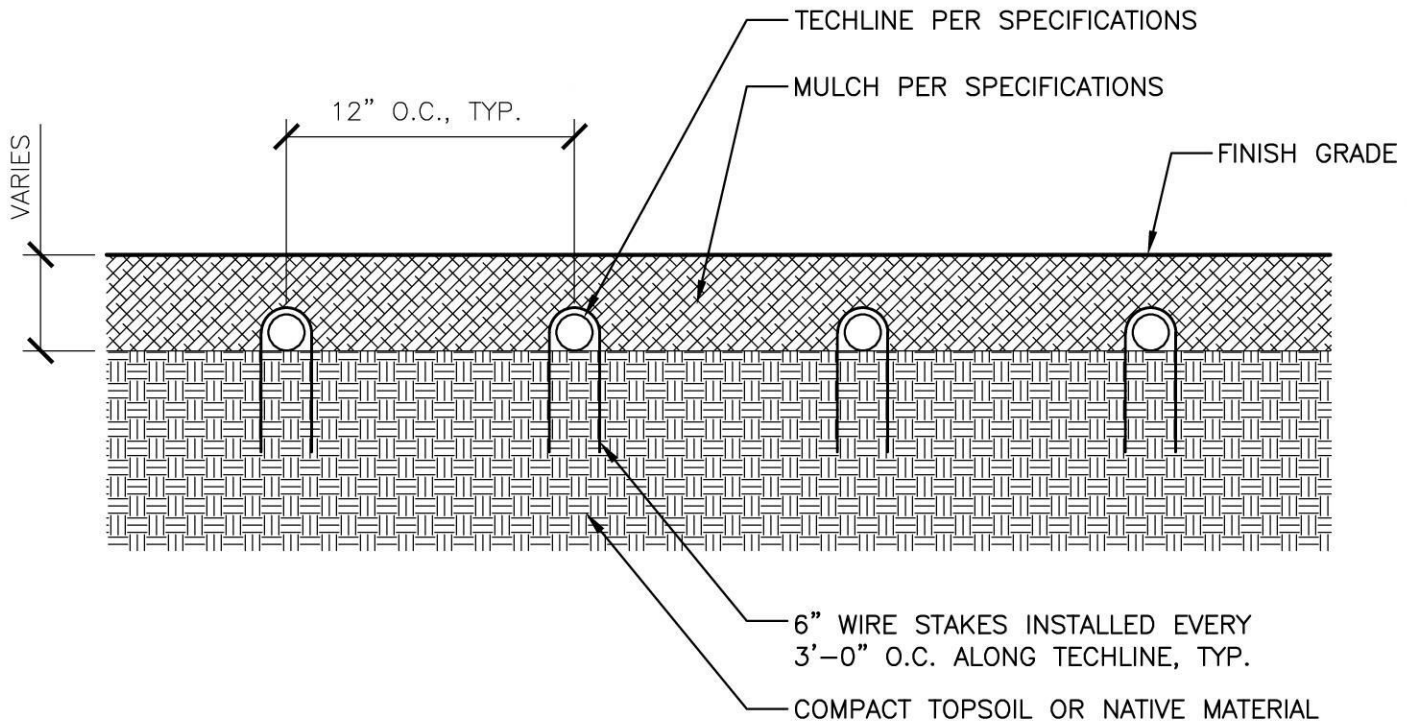

City of Bellevue

TITLE:

IRRIGATION - DRIP - TECHLINE - SECTION

DRAWING #:	PK-IR-12D
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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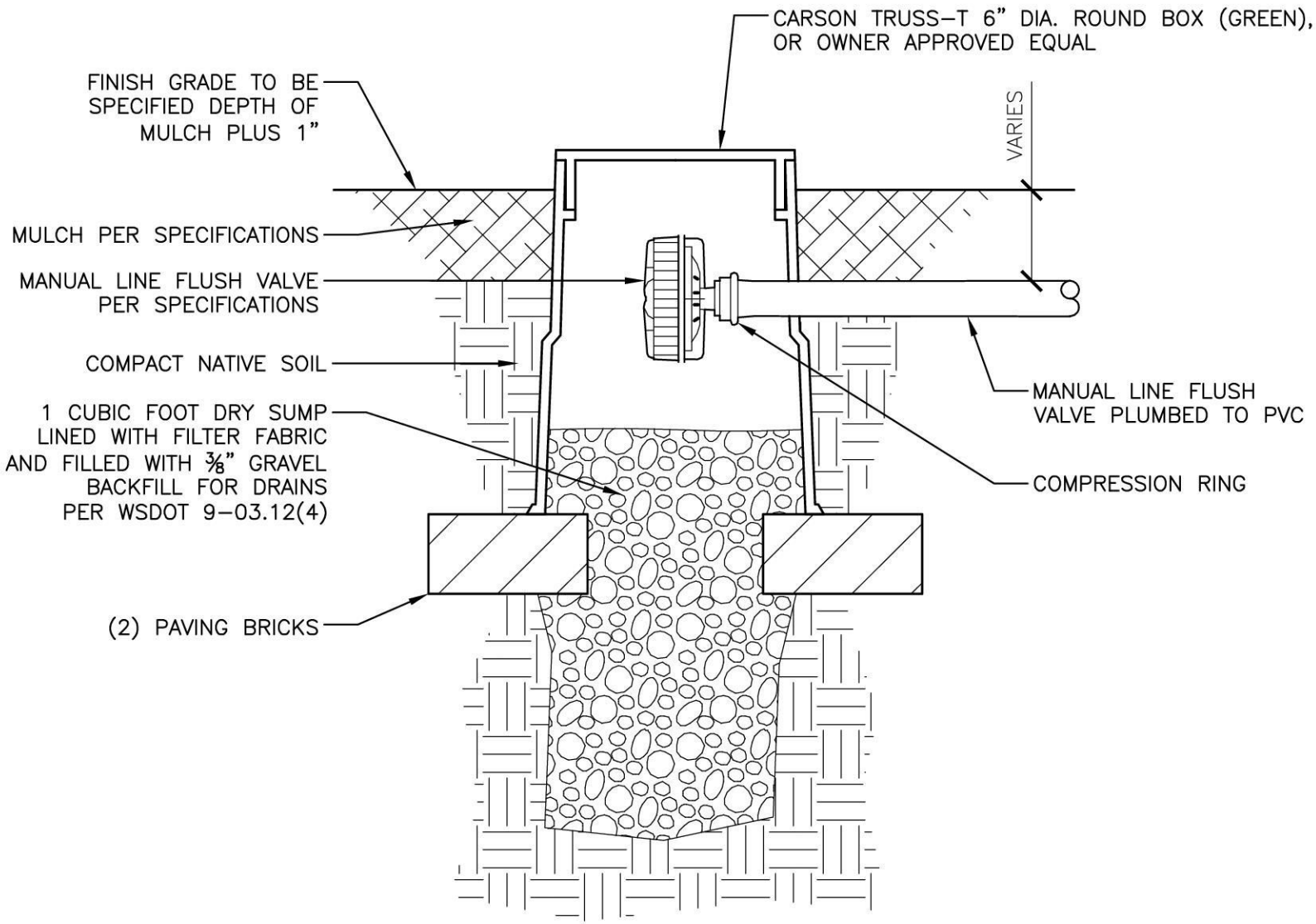

City of Bellevue

TITLE:

IRRIGATION - DRIP - TECHLINE - MANUAL FLUSH VALVE

DRAWING #:	PK-IR-12E
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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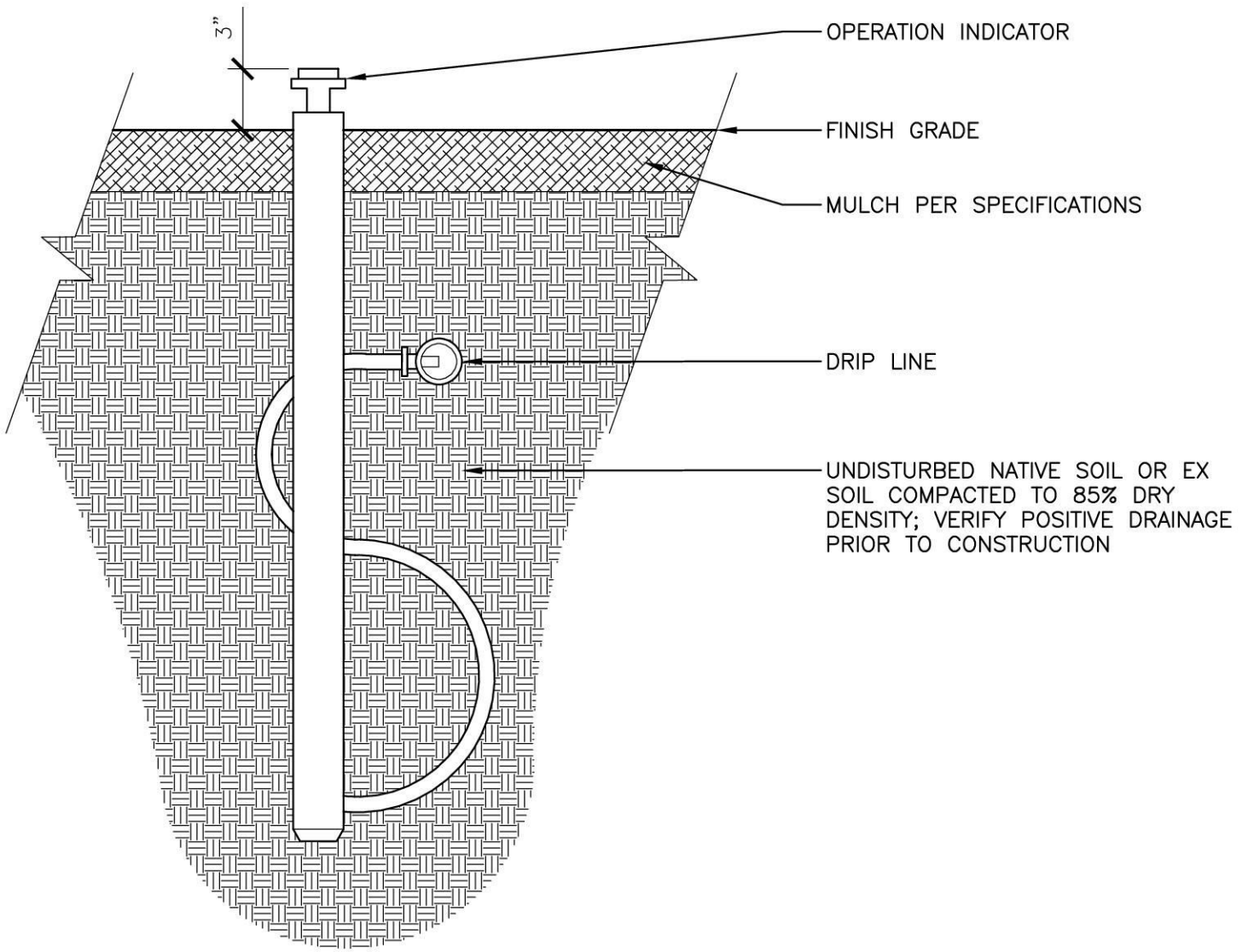

City of Bellevue

TITLE:

IRRIGATION - DRIP - OPERATION INDICATOR

DRAWING #:	PK-IR-12F
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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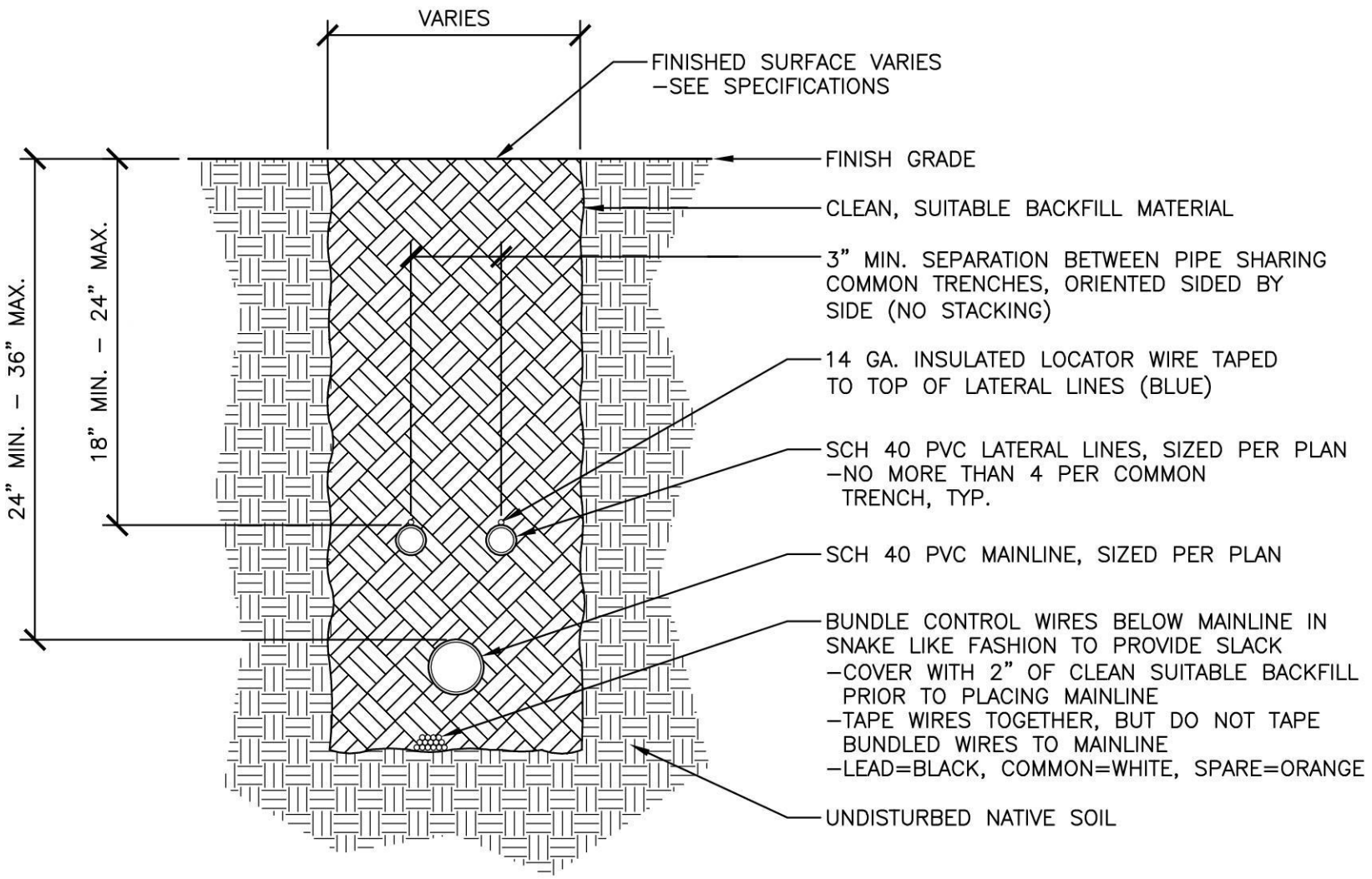


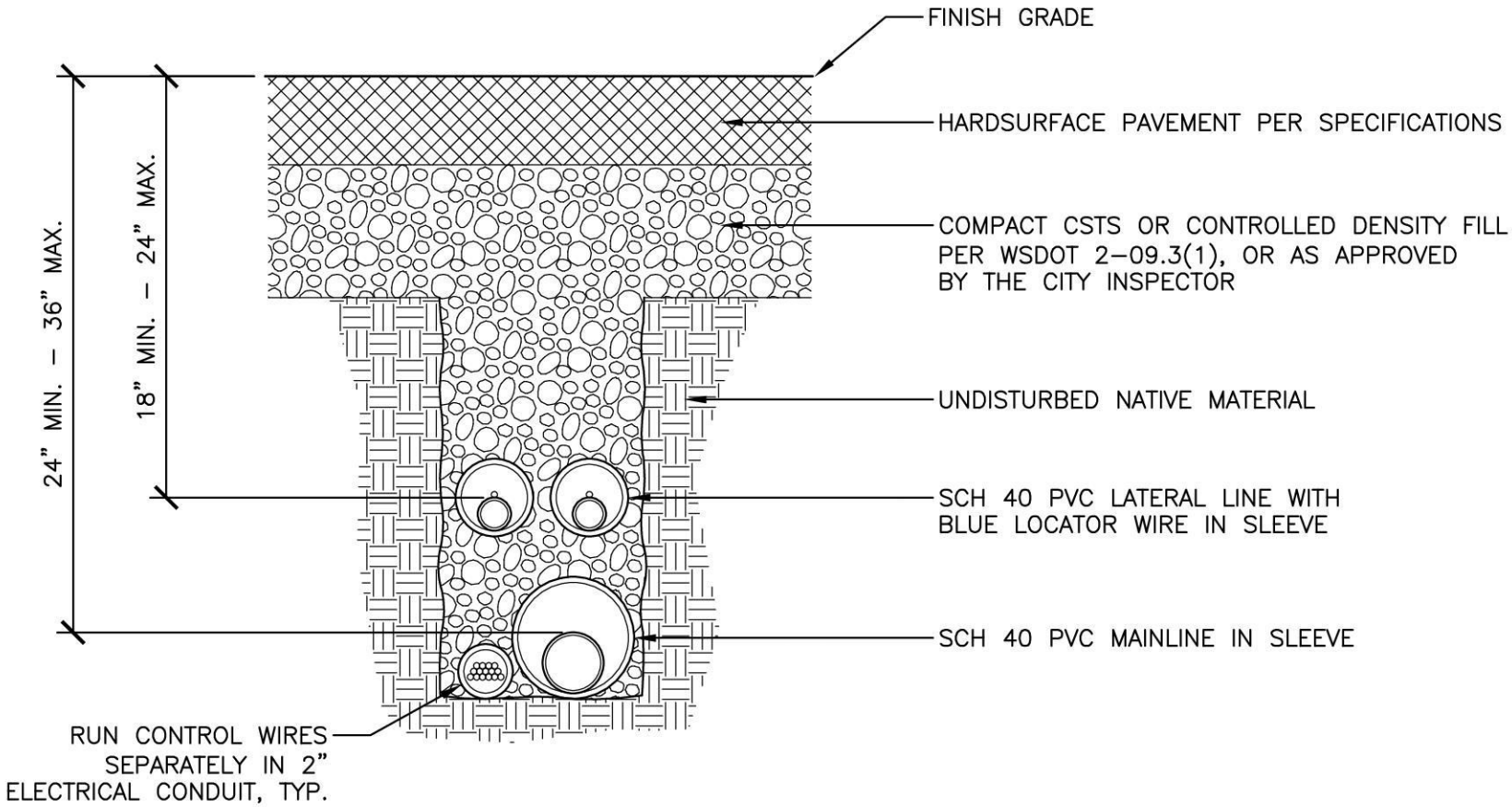
City of Bellevue

TITLE:

IRRIGATION - TYPICAL TRENCH SECTION

DRAWING #:	PK-IR-13A
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal



NOTES:

1. SLEEVING MATERIAL SHALL BE SCH 40 PVC PIPE AND SHALL BE LARGE ENOUGH TO ALLOW IRRIGATION PIPE AND ASSOCIATED COUPLINGS TO EASILY SLIP THROUGH SLEEVING MATERIAL, TYPICALLY 2x DIAMETER OF IRRIGATION PIPE.
2. ONLY 1 IRRIGATION PIPE PER SLEEVE, TYP.
3. USE DUCTILE IRON WHEN CROSSING UNDER HEAVILY TRAVELED ARTERIAL ROADWAYS.
4. EXTEND SLEEVING MATERIAL 18" BEYOND EDGE OF PAVEMENT.
5. PROVIDE 48" COILED SLACK WHERE CONTROL WIRES ENTER AND EXIT THE SLEEVE.

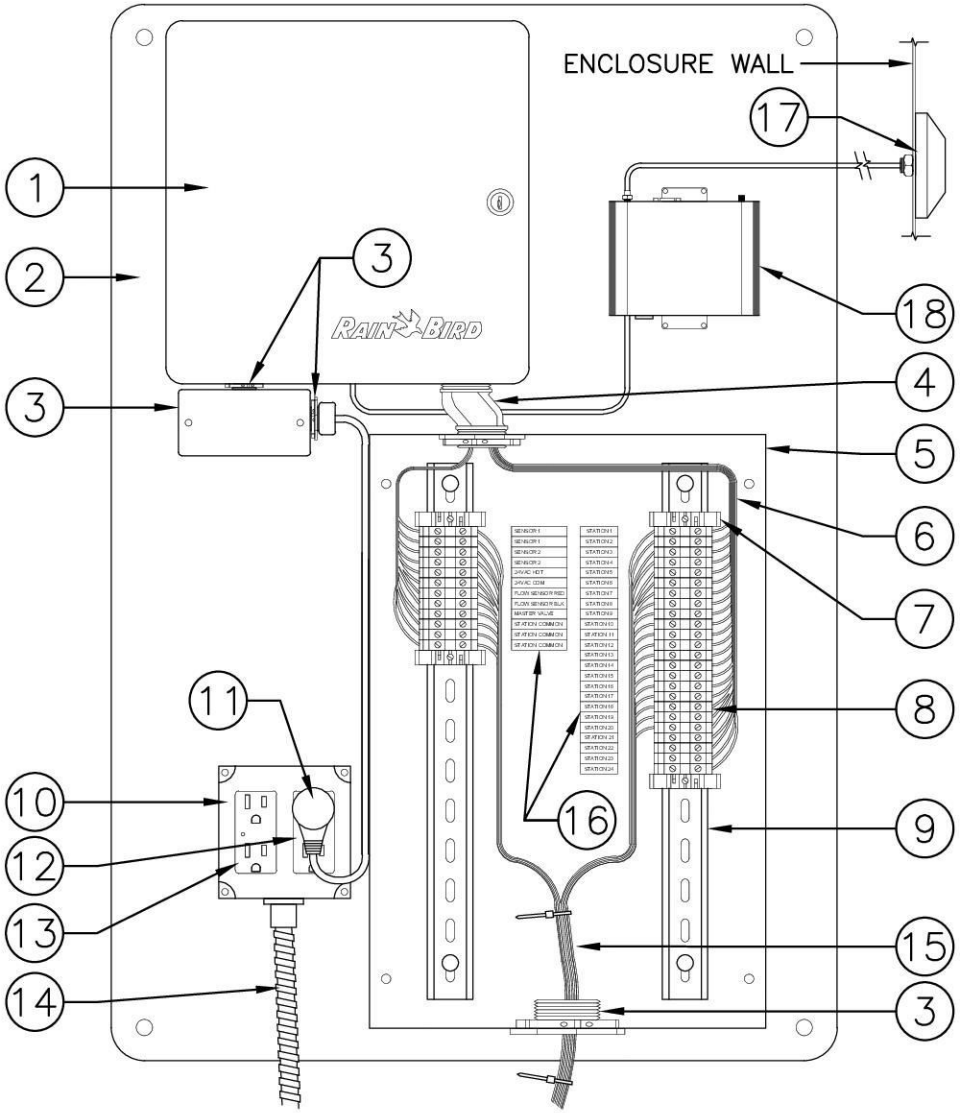
City of Bellevue

TITLE:

IRRIGATION - TYPICAL TRENCH SECTION UNDER PAVEMENT

DRAWING #:	PK-IR-13B
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal



NOTE: ALL COMPONENTS TO BE INSTALLED PER MANUFACTURES SPECIFICATIONS AND PER CITY OF BELLEVUE CODE. CONTROL PANEL TO BE PRE-ASSEMBLED IN A UL CERTIFIED SHOP PRIOR TO FIELD INSTALLATION.

1. SPECIFIED RAIN BIRD ESP SITE CONTROLLER WITH MAXICOM INTERFACE BOARD
2. REMOVABLE PRE-DRILLED BACKBOARD AS SUPPLIED BY THE SPECIFIED ENCLOSURE MANUFACTURER
3. 2"x4" UL LISTED ALUMINUM JUNCTION BOX WITH COVER
4. UL LISTED ZINC OFFSET CONDUIT NIPPLE
5. HOFFMAN COVER TYPE 1 ENCLOSURE, 18"x12"x6" OR AS REQUIRED (SHOWN WITH COVER REMOVED)
6. WIRE HARNESS(S) FROM CONTROLLER
7. ABB ENTRELEC BAM2 0206 351.16 END STOP TERMINAL BLOCKS
8. ABB ENTRELEC M 6/8 0115 118.11 FEED THROUGH TERMINAL BLOCKS
9. (2) ABB ENTRELEC DIN 3 TS/F6 MOUNTING RAILS
10. 4"x4" UL LISTED ALUMINUM JUNCTION BOX WITH 2-GANG ALUMINUM COVER
11. UL LISTED PIG TAIL POWER SUPPLY CORD FROM JUNCTION BOX
12. UL LISTED 20A 125V CLASS A GFCI OUTLET
13. UL LISTED TYPE 3 MCOV 150V OUTLET
14. 120V/60 AC POWER SOURCE IN UL LISTED ¾" DIA. FLEXIBLE METAL CONDUIT
15. VALVE AND FLOW SENSOR WIRES
16. PROVIDE LAMINATED LABELING FOR ALL BLOCKS
17. LAIRD OMNI SISO LTE DISK-PUCK ANTENNA, MODEL #LPS69223NT, OR APPROVED EQUAL
18. C-TEK Z4550 SKYROUTER 4G CELLULAR MODEM WITH 5 MB SERVICE WITH TWO YEAR SIM CARD ACTIVATION

City of Bellevue

TITLE:

IRRIGATION - CONTROL PANEL - ESP SITE CONTROLLER - CELLULAR CONNECTION

DRAWING #:	PK-IR-14F
SCALE:	N.T.S.
REVISION DATE:	11-2020
DEPARTMENT:	PARKS

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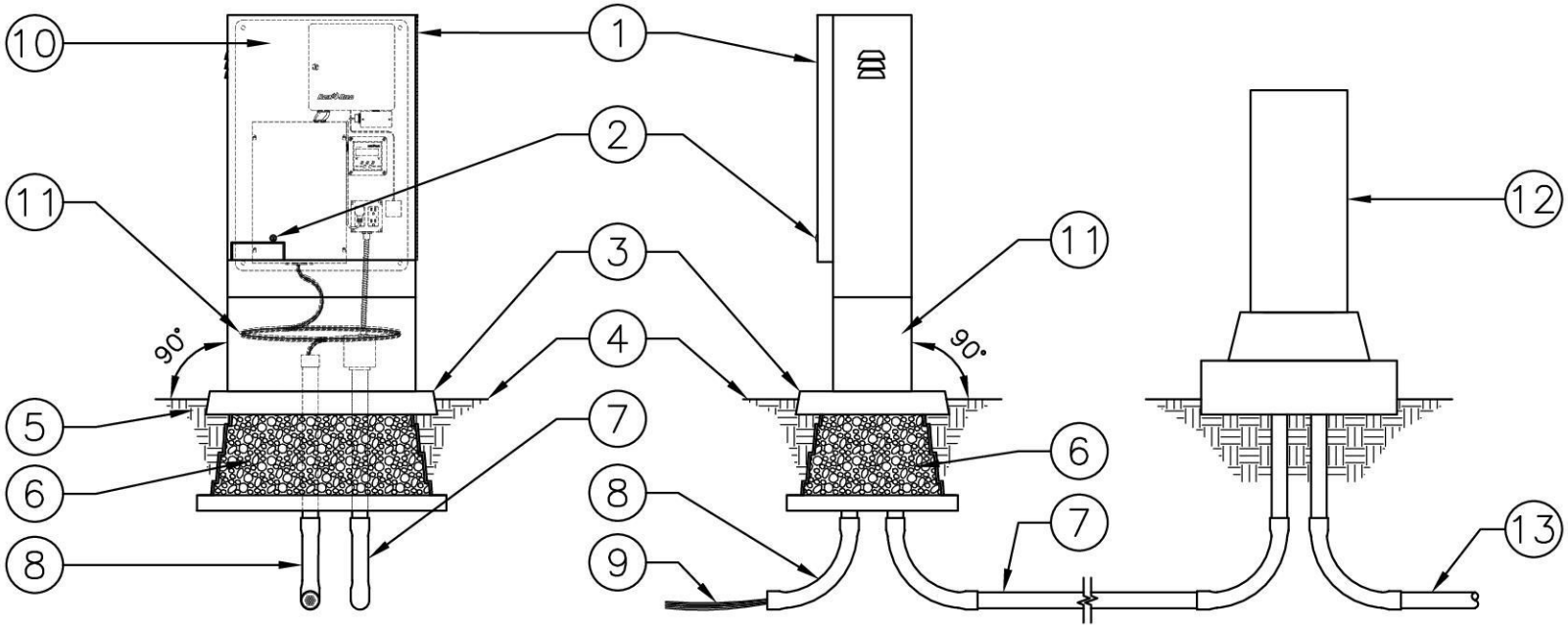

FRONT VIEW

SIDE VIEW

1. STRONG BOX MODEL #SB–24SS STAINLESS STEEL ENCLOSURE WITH PED–24SS STAINLESS STEEL RISER, OR APPROVED EQUALS
2. #CH751 RAIN BIRD KEY CORE
3. STRONG BOX MODEL #QP–24 ENCLOSURE MOUNTING PAD WITH SUPPORT BASE, OR APPROVED EQUAL
4. FINISHED GRADE TO BE 1", OR SPECIFIED DEPTH OF MULCH PLUS 1", BELOW TOP OF MOUNTING PAD, TYP.
5. COMPACTED NATIVE SOIL
6. ⅜" GRAVEL BACKFILL FOR DRAINS PER WSDOT 9–03.12(4)
7. CONDUIT AND WIRE FROM SERVICE PEDESTAL
8. 2" CONDUIT FOR COMMUNICATION AND VALVE WIRE FEED INTO CONTROL PANEL
9. DIRECT BURIAL COMMUNICATION AND VALVE WIRES
10. CONTROL PANEL PER SPECIFICATIONS
11. PROVIDE 48" MIN. COILED SLACK FOR ALL COMMUNICATION AND VALVE WIRES WITHIN RISER
12. SKYLINE SERIES #65348 "TINY SERVICE CABINET" AND FOUNDATION PER CITY OF BELLEVUE TRANSPORTATION STANDARDS SL–221–1 AND SL–212–1
13. CONDUIT AND WIRE FROM POWER SOURCE (LOAD)
14. PAD LOCK TO BE PLACED ON SERVICE CABINET BY PUGET SOUND ENERGY AFTER METER HAS BEEN INSTALLED AND CHARGED
15. CONTRACTOR SHALL PROVIDE ALL CONDUIT, WIRES, POLE MOUNTING BRACKETS, WEATHERHEADS AND ALL OTHER MISC. EQUIPMENT REQUIRED FOR PUGET SOUND ENERGY TO CONNECT CABINET TO POWER SOURCE (LOAD) AND CHARGE METER

City of Bellevue

TITLE:

IRRIGATION - CONTROL PEDESTAL - SINGLE SIDED WITH POWER SERVICE PEDESTAL

DRAWING #:	PK-IR-16B
SCALE:	N.T.S.
REVISION DATE:	03-2023
DEPARTMENT:	PARKS

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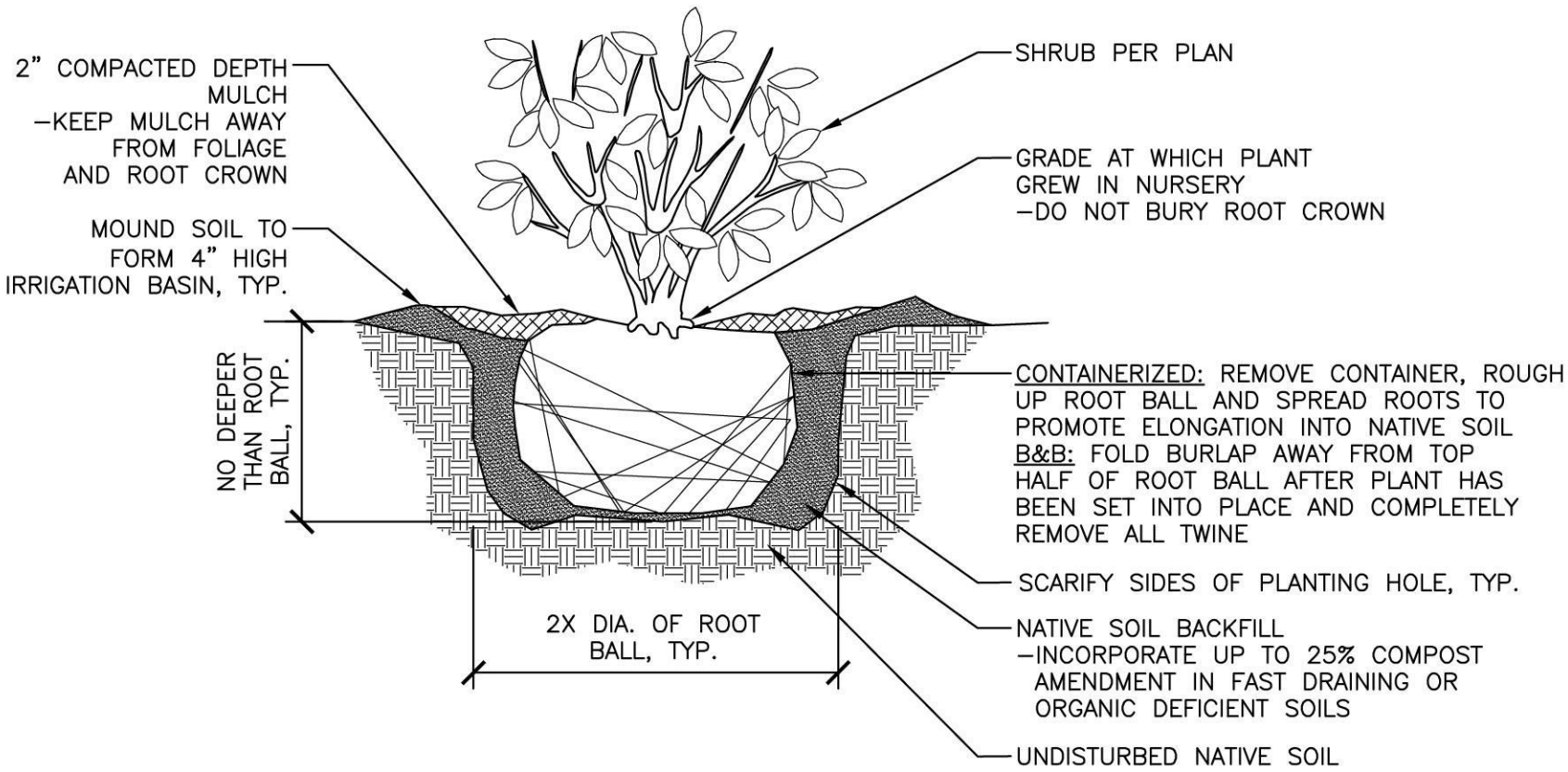

NOTE: PLANT MATERIAL SHALL BE INSPECTED AND APPROVED BY BELLEVUE PARKS PRIOR TO INSTALLATION.

City of Bellevue

TITLE:

PLANTING - SHRUB

DRAWING #:	PK-IM-02A
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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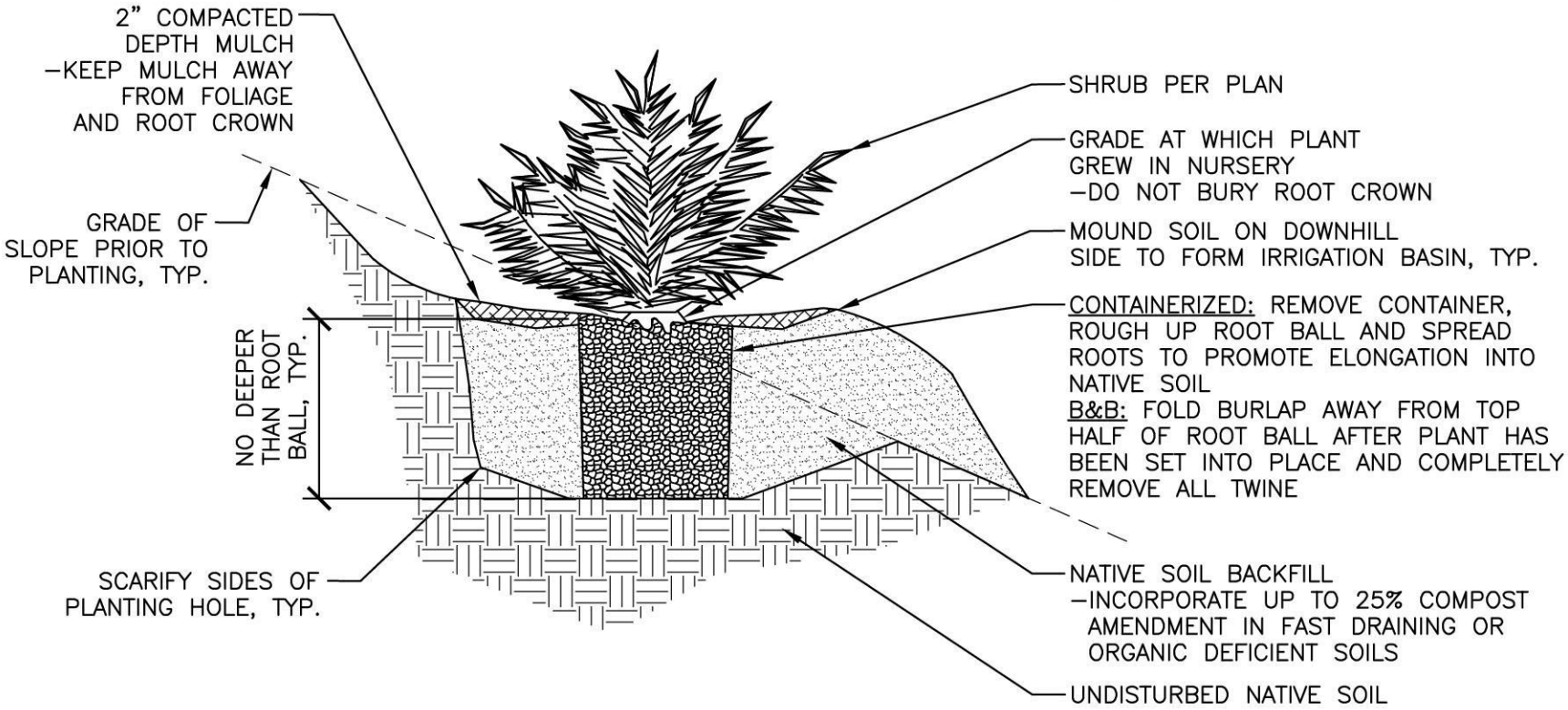


NOTE: PLANT MATERIAL SHALL BE INSPECTED AND APPROVED BY BELLEVUE PARKS PRIOR TO INSTALLATION.

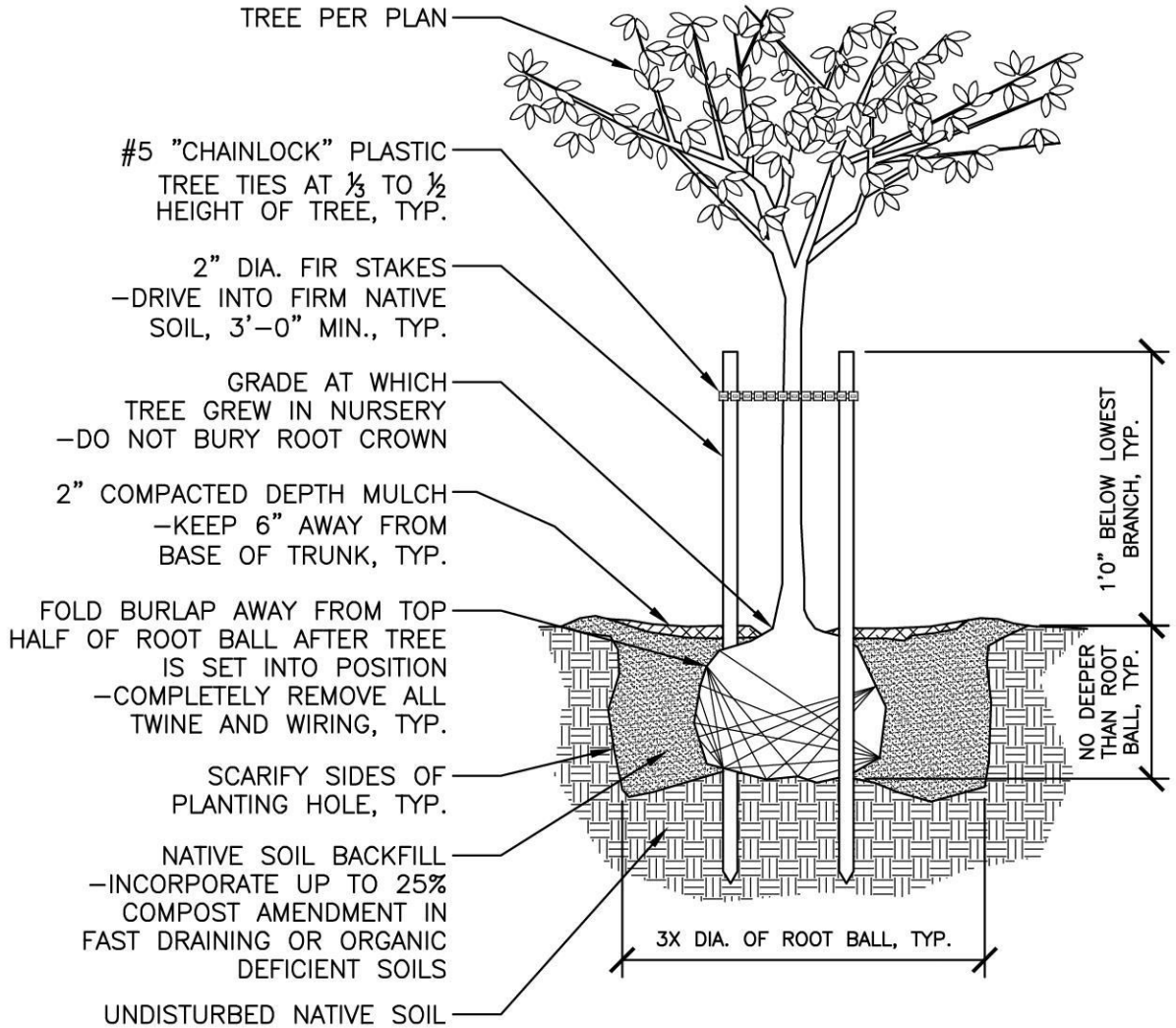
City of Bellevue

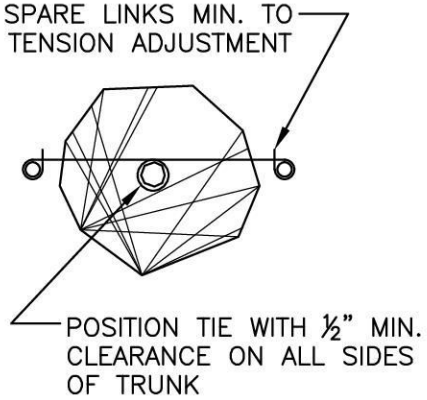
TITLE:

PLANTING - SHRUB ON SLOPE

DRAWING #:	PK-IM-02B
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal





STAKING PLAN

NOTES:

1. CONTAINERIZED TREES: REMOVE CONTAINER, ROUGH UP ROOT BALL AND SPREAD ROOTS TO PROMOTE ELONGATION INTO NATIVE SOIL.
2. STAKING IS REQUIRED FOR TREES 5'–0" OR GREATER IN HEIGHT UNLESS OTHERWISE SPECIFIED.
3. ALTERNATIVE STAKING METHODS MAY BE ACCEPTED WITH APPROVAL OF BELLEVUE PARKS.
4. 3 STAKES MAY BE REQUIRED FOR TREES WITH 3" CALIPER OR GREATER.
5. STAKES SHALL BE REMOVED NO LATER THAN 1 YEAR AFTER TREE PLANTING UNLESS OTHERWISE SPECIFIED.
6. TREES SHALL BE INSPECTED AND APPROVED BY BELLEVUE PARKS PRIOR TO INSTALLATION.

City of Bellevue

TITLE:

PLANTING - TREE

DRAWING #:	PK-IM-03A
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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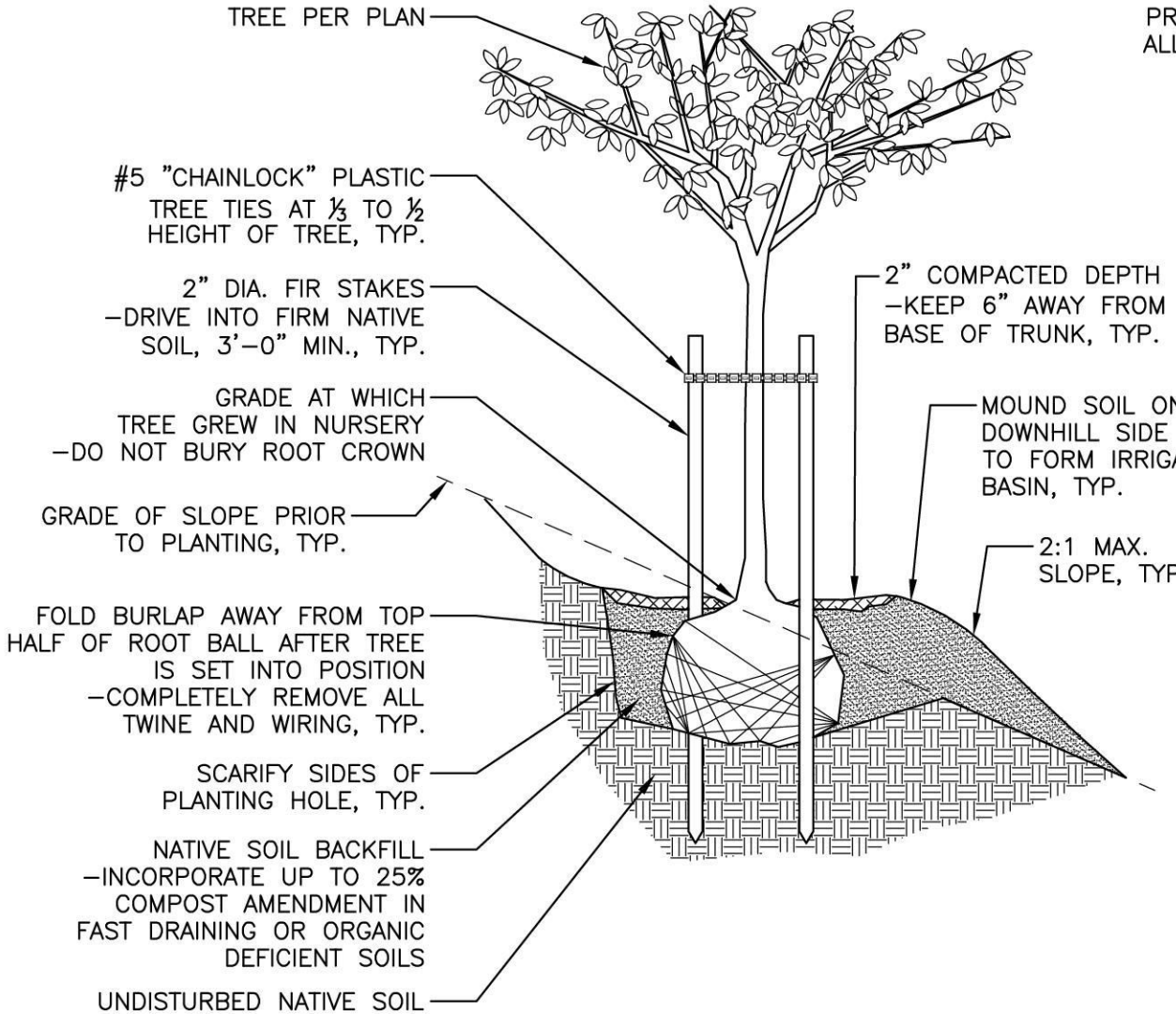

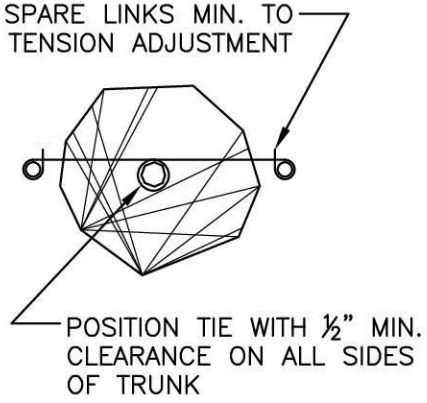

STAKING PLAN

NOTES:

1. CONTAINERIZED TREES: REMOVE CONTAINER, ROUGH UP ROOT BALL AND SPREAD ROOTS TO PROMOTE ELONGATION INTO NATIVE SOIL.
2. STAKING IS REQUIRED FOR TREES 5'–0" OR GREATER IN HEIGHT UNLESS OTHERWISE SPECIFIED.
3. ALTERNATIVE STAKING METHODS MAY BE ACCEPTED WITH APPROVAL OF BELLEVUE PARKS.
4. 3 STAKES MAY BE REQUIRED FOR TREES WITH 3" CALIPER OR GREATER.
5. STAKES SHALL BE REMOVED NO LATER THAN 1 YEAR AFTER TREE PLANTING UNLESS OTHERWISE SPECIFIED.
6. TREES SHALL BE INSPECTED BY BELLEVUE PARKS PRIOR TO INSTALLATION.

City of Bellevue

TITLE:

PLANTING - TREE ON SLOPE

DRAWING #:	PK-IM-03B
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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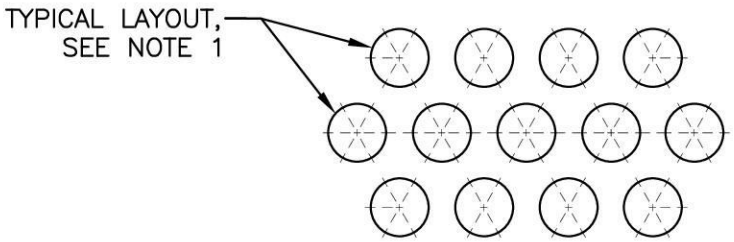
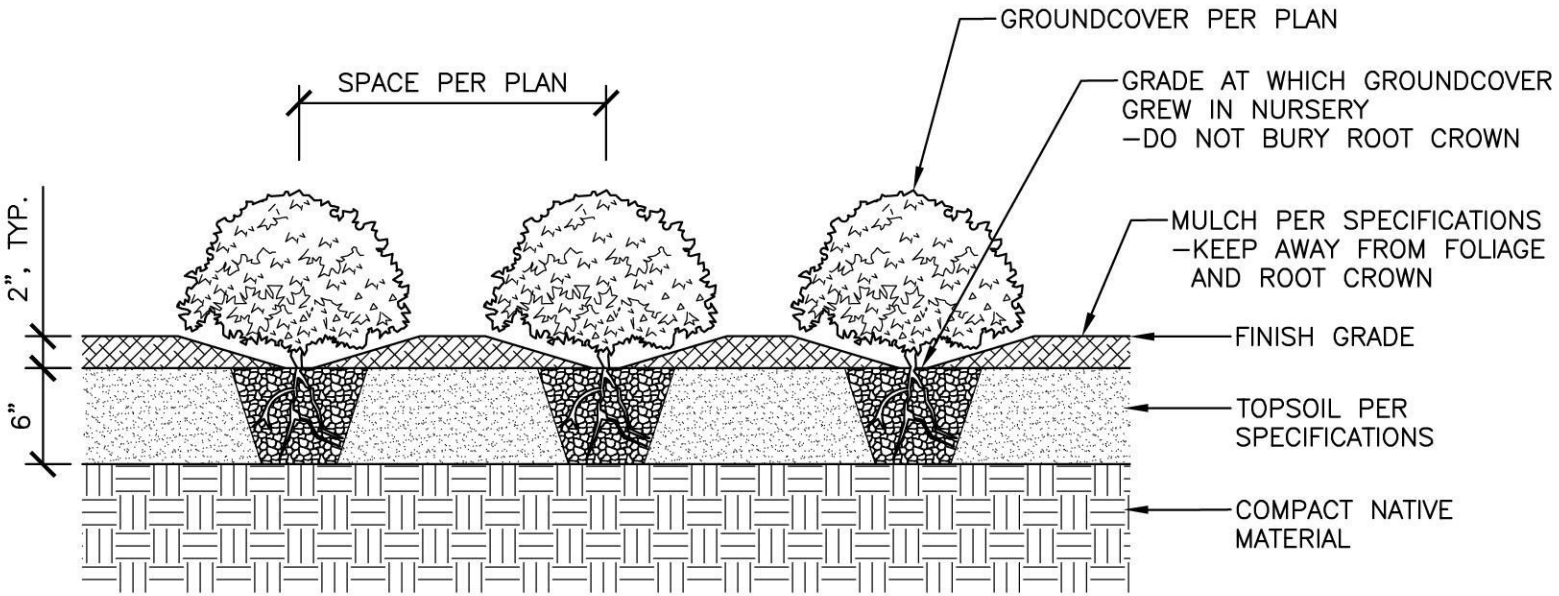


PLAN

NOTES:
1. GROUNDCOVER SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING OR AS SPECIFIED ON PLAN.
2. LOCATE GROUNDCOVER ONE HALF OF SPECIFIED SPACING DISTANCE FROM ANY CURB OR HARD SURFACE.
3. PLANT MATERIAL SHALL BE INSPECTED AND APPROVED BY BELLEVUE PARKS PRIOR TO INSTALLATION.



SECTION

City of Bellevue

TITLE:

PLANTING - GROUNDCOVER

DRAWING #:	PK-IM-04
SCALE:	N.T.S.
REVISION DATE:	12-2018
DEPARTMENT:	PARKS

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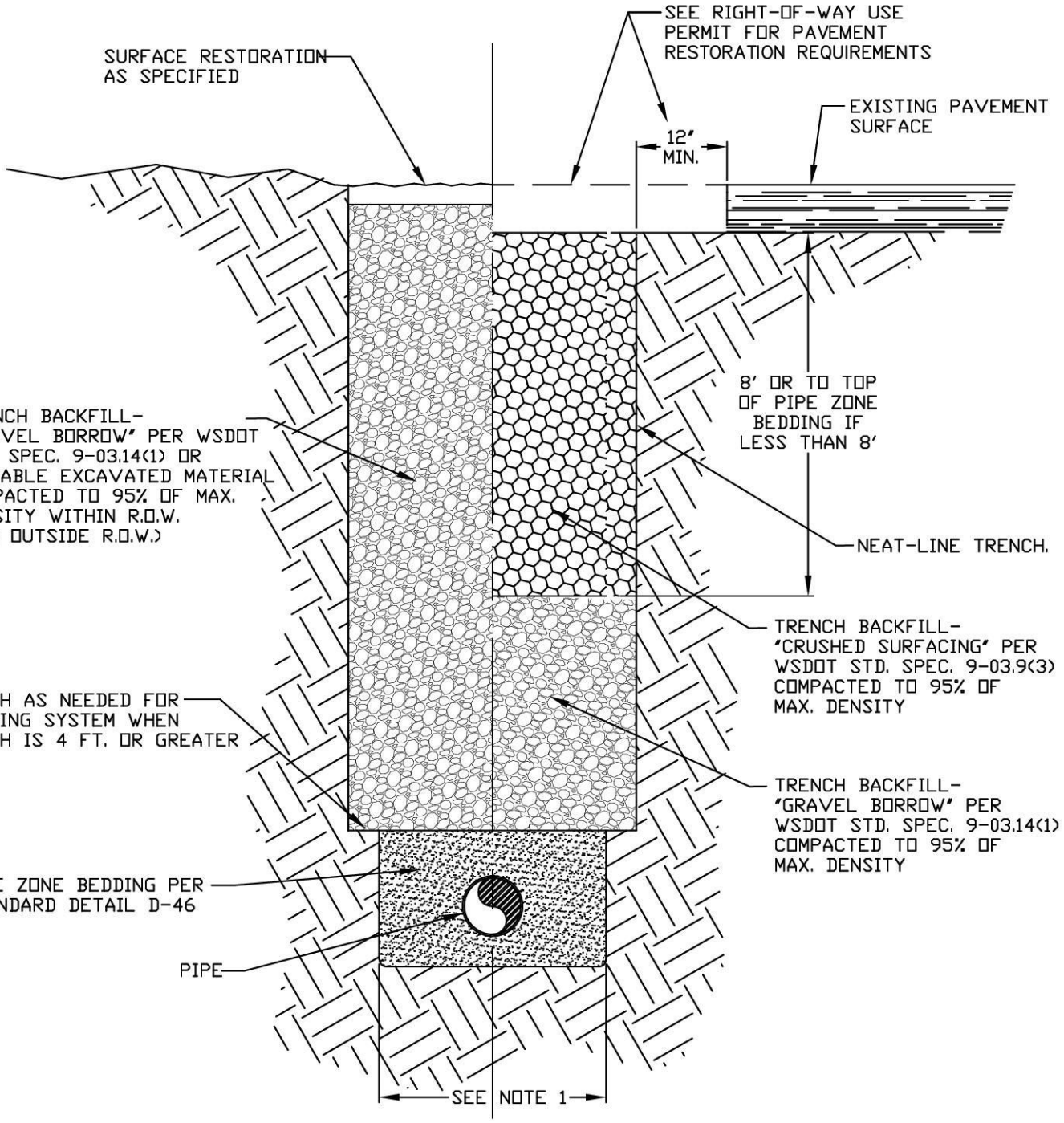

UNPAVED AREAS PAVED AREAS

NOTES:

1. MAXIMUM WIDTH OF TRENCH AT TOP OF PIPE ZONE:
   - 36" FOR PIPE UP TO AND INCLUDING 18" NOMINAL DIAMETER.
   - NOMINAL DIAMETER PLUS 18" FOR PIPE LARGER THAN 18" NOMINAL DIAMETER.
2. EXCAVATIONS OVER 4' DEEP SHALL COMPLY WITH THE SAFETY STANDARD DESCRIBED IN CHAPTER 296-155 - PART N OF THE WAC.
3. SEE "BEDDING, BACKFILL AND COMPACTION" IN CHAPTER D8 OF THE ENGINEERING STANDARDS FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.
4. RECYCLED CONCRETE RUBBLE SHALL NOT BE USED AS BEDDING IN THE PIPE ZONE, AS TRENCH BACKFILL OR AS BACKFILL ABOVE THE PROJECTED NEAT-LINE TRENCH ABOVE A PIPE OR STRUCTURE.

JANUARY 2026 NO SCALE

City of Bellevue

WATER UTILITIES

TITLE

TYPICAL TRENCH DETAIL

NO. W-6

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APPENDIX B:
WAGE RATES

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FEDERAL WAGE RATES

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"General Decision Number: WA20260001 01/23/2026

Superseded General Decision Number: WA20250001

State: Washington

Construction Type: Highway

Counties: Washington Statewide.

HIGHWAY (Excludes D.O.E. Hanford Site in Benton and Franklin Counties)

Modification Number	Publication Date
0	01/02/2026
1	01/23/2026

CARP0059-021 06/01/2025

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
CARPENTER		
Assistant Diver Tender, ROV Tender/Technician	$ 50.76	17.28
Bridge, Dock, and Wharf Carpenter	$ 48.21	17.28
Carpenter	$ 44.21	17.28
Diver Standby	$ 55.24	17.28
Diver Tender, Manifold Operator, ROV Operator	$ 54.24	17.28
Diver Wet	$ 110.48	17.28
Manifold Operator-Mixed Gas	$ 58.24	17.28
Piledriver: Includes driving, pulling, cutting, placing collars, setting, welding, or creosote treated material, on all piling	$ 49.76	17.28

Employees may be required to perform any combination of work within the Diving team/crew, (except for Dive Supervisor) provided they are paid at the highest rate of pay that they received during their shift.

CARP0096-002 06/01/2025

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM Counties

	Rates	Fringes
MILLWRIGHT	$ 55.39	22.38

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CARP0096-007 06/01/2025

SOUTHWEST WASHINGTON: CLARK, COWLITZ, LEWIS (Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA, and WAHKIAKUM Counties.

	Rates	Fringes
MILLWRIGHT	$ 59.35	22.38

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* CARP0196-004 06/01/2025

CLARK, COWLITZ, *PACIFIC, SKAMANIA, AND WAHKIAKUM COUNTIES
*PORTION OF PACIFIC COUNTY SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO WILLAPA BAY TO THE PACIFIC OCEAN, AND THENCE NORTH THROUGH THE NATURAL WATERWAY TO THE PACIFIC OCEAN (THIS INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY)

	Rates	Fringes
Piledriver	$ 56.06	16.81

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* CARP0196-006 06/01/2025

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, *PACIFIC, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES
* PORTION OF PACIFIC COUNTY NORTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN COUNTIES OR PARTS OF COUNTIES EAST OF THE 120TH MERIDIAN

	Rates	Fringes
Piledriver	$ 65.53	19.13

CARP0206-009 06/01/2025

KING AND KITSAP COUNTIES

	Rates	Fringes
CARPENTER		
BRIDGE CARPENTER	$ 65.58	19.13
CARPENTER	$ 63.98	19.13
DIVER TENDER	$ 71.77	19.13
DIVER	$ 125.44	19.13

CARP0360-006 09/15/2025

PACIFIC COUNTY
PORTION OF PACIFIC COUNTY NORTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN COUNTIES OR PARTS OF COUNTIES EAST OF THE 120TH MERIDIAN

	Rates	Fringes

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Carpenters:

Bridge Carpenter	$ 65.58	19.13
Carpenter/Drywall Hanger	$ 63.98	19.13
Diver Tender	$ 71.77	19.13
Diver	$ 125.44	19.13

Employees may be required to perform any combination of work within the Diving team/crew, (except for Dive Supervisor) provided they are paid at the highest rate of pay that they received during their shift.

CARP0360-007 06/01/2025

PACIFIC COUNTY
PORTION OF PACIFIC COUNTY SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO WILLAPA BAY TO THE PACIFIC OCEAN, AND THENCE NORTH THROUGH THE NATURAL WATERWAY TO THE PACIFIC OCEAN (THIS INCLUDES THE ENTIRE PENINSULA WEST OF WILLAPA BAY)

	Rates	Fringes
Carpenters:		
CARPENTERS	$ 54.69	16.81
DIVERS TENDERS	$ 64.32	16.81
DIVERS	$ 108.33	16.81
DRYWALL	$ 54.59	16.81

Employees may be required to perform any combination of work within the Diving team/crew, (except for Dive Supervisor) provided they are paid at the highest rate of pay that they received during their shift.

CARP0360-013 06/01/2025

GRAYS HARBOR, LEWIS, MASON, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
CARPENTER		
BRIDGE CARPENTER	$ 65.58	19.13
CARPENTER	$ 63.98	19.13
DIVER TENDER	$ 71.77	19.13
DIVER	$ 125.44	19.13

Employees may be required to perform any combination of work within the Diving team/crew, (except for Dive Supervisor) provided they are paid at the highest rate of pay that they received during their shift.

CARP0425-006 09/15/2025

CLALLAM, ISLAND, JEFFERSON, SAN JUAN, SKAGIT, SNOHOMISH, AND WHATCOM COUNTIES

	Rates	Fringes
CARPENTER		
BRIDGE CARPENTER	$ 65.58	19.13
CARPENTER	$ 63.98	19.13

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DIVER TENDER.....$ 71.77 19.13
DIVER.....$ 125.44 19.13

Employees may be required to perform any combination of work within the Diving team/crew, (except for Dive Supervisor) provided they are paid at the highest rate of pay that they received during their shift.

CARP0503-021 06/01/2025

CLARK, COWLITZ, SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Carpenters:		
CARPENTERS	$ 54.69	16.81
DIVERS TENDERS	$ 64.32	16.81
DIVERS	$ 108.33	16.81
DRYWALL	$ 54.59	16.81

Employees may be required to perform any combination of work within the Diving team/crew, (except for Dive Supervisor) provided they are paid at the highest rate of pay that they received during their shift.

CARP1607-010 06/01/2025

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KLICKITAT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
MILLWRIGHT	$ 61.62	20.43

ELEC0046-001 08/04/2025

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 83.56	33.71
ELECTRICIAN	$ 75.96	33.48

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* ELEC0048-003 01/01/2025

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 44.22	21.50
ELECTRICIAN	$ 63.50	29.73

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

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Zone Pay:
Zone 1: 31-50 miles $1.50/hour
Zone 2: 51-70 miles $3.50/hour
Zone 3: 71-90 miles $5.50/hour
Zone 4: Beyond 90 miles $9.00/hour

*These are not miles driven. Zones are based on Delorrne Street Atlas USA 2006 plus.

ELEC0048-029 01/01/2025

COWLITZ AND WAHKIAKUM COUNTY

	Rates	Fringes
CABLE SPLICER	$ 44.22	21.50
ELECTRICIAN	$ 63.50	29.73

ELEC0073-001 07/01/2025

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 34.10	16.68
ELECTRICIAN	$ 49.55	19.09

ELEC0076-002 08/31/2025

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 71.65	26.76
ELECTRICIAN	$ 65.14	26.56

ELEC0112-005 06/01/2025

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 63.00	27.87
ELECTRICIAN	$ 60.00	27.78

ELEC0191-003 06/01/2022

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER	$ 44.23	17.73
ELECTRICIAN	$ 53.20	27.51

ELEC0191-004 06/01/2018

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

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	Rates	Fringes
CABLE SPLICER	$ 40.82	17.63
ELECTRICIAN	$ 42.45	21.34

ENGI0302-092 06/01/2025

KING AND SNOHOMISH COUNTIES

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 1	$ 61.93	27.57
Group 1A	$ 62.85	27.57
Group 1AA	$ 63.75	27.57
Group 1AAA	$ 64.66	27.57
Group 2	$ 61.14	27.57
Group 3	$ 60.46	27.57
Group 4	$ 56.63	27.57

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1AAA
Cranes: 300 tons and over or 300? of boom including jib with attachments; Cranes Friction: 200 tons and over; Tower Cranes: over 250? in height from base to boom.

Group 1AA
Cranes: 200 tons- 299 tons, or 250? of boom including jib with attachments; Cranes: Friction cranes through 199 tons; Leverman; Shovel, Excavator, Backhoes: over 90 metric tons; Tower Crane: over 175? through 250? in height, base to boom.

Group 1A
Cranes: 100 tons through 199 tons, or 150? of boom (including jib with attachments); Drilling Machine; Overhead, bridge type: 100 tons and over; Tower Crane: up to 175? in height base to boom; Loader: Overhead 8 yards & over; Shovel, Excavator, Backhoes: over 50 metric tons and up to 90 metric tons; Mechanics.

Group 1
Asphalt plant Operators; Cableways; Concrete Pump: Truck mount with boom attachment over 42M; Cranes: 45 tons through 99 tons, under 150? of boom (including jib with attachments); Overhead, bridge type: 45 tons through 99 tons; Derricks: on building work; Hard Tail End Dump: articulating off-road equipment 45 yards & over; Loader: Overhead 6 yards but not including 8 yards; Motor Patrol Graders; Mucking Machine, Mole, Tunnel Drill, Boring, Road Header and/or Shield; Quad 9, HD 41, D10 and over; Remote Control Operator on rubber tired earth moving equipment; Rollagon; Scrapers, self-propelled: 45 yards and over; Spreader: Topsider & Screedman; Shovel, Excavator, Backhoe: over 30 metric tons and up to 50 metric tons; Slipform Pavers; Transporters: all track or truck type; Welder.

Group 2
Batch Plant Operator: concrete; Barrier Machine: (Zipper); Bump Cutter; Cranes: 20 tons through 44 tons with attachments; Overhead, bridge type Crane: 20 tons through 44 tons; Chipper; Concrete Pump: truck mount with boom attachment up to 42M; Crusher; Deck Engineer/Deck Winches (Power); Grade Engineer: using blue prints, cut sheets,

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etc.; -Finishing Machine: Bidwell and Gamaco & Similar Equipment; Guardrail Punch; Hard Tail End Dump: articulating off-road equipment under 45 yards; Horizontal/Directional Drill Operator; Loaders: Overhead under 6 yards; Loaders: Plant Feed; Locomotives: all; Material Transfer Device; Piledriver: (other than crane mount); Quick Tower: no cab, under 100 feet in height base to boom; Roto-Mill, Roto-Grinder; Shovel, Excavator, Backhoe, Tractor: 15 to 30 metric tons; Subgrader Trimmer; Scraper: self propelled under 45 yards; Truck Crane Oiler/Driver: 100 tons and over; Truck Mount Portable Conveyor; -Vac Truck (Vactor Guzzler, Hydro Excavator); Yo Yo Pay Dozer.

Group 3
Cranes: through 19 tons with attachments, A-frame over 10 tons; Concrete Pump: Mounted or trailer high pressure line pump, pump high pressure; Conveyors; Dozers: D-9 & under; Drill Oilers: auger type, truck or crane mount; Forklift: 3000 lbs and over with attachments; Horizontal/Directional Drill Locator; Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato; Tower Bucket Elevators; Hydralifts/Boom trucks: over 10 tons; Loaders: elevating type belt; Plant Oiler: asphalt, crusher; Rigger/Signal Person, Bellman (Certified); Roller: plant mix or multi-lift materials; Saws: Concrete; Scrapers: concrete & carry all Service Engineers: equipment; Trenching Machines; Truck Crane Oiler/Driver: under 100 tons; Shovel, Excavator, Backhoe, Tractors: under 15 metric tons.

Group 4
Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine: Laser Screed; Cranes, A-frame: 10 tons and under; Elevator and man-lift: permanent and shaft type; Forklifts: under 3000 lbs. with attachments; Gradechecker/Stakeman; Hydralifts/Boom Trucks: 10 tons and under; Oil distributors, Blower Distribution & Mulch Seeding Operator; Pavement Breaker; Posthole Digger: mechanical; Power Plant; Pumps: water; -Rigger and Bellman; Roller: other than plant mix; Wheel Tractors: Farm all type; Shotcrete/Gunite Equipment; Brokk: Remote demolition equipment

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ENGI0302-093 06/01/2025

SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 1	$ 61.47	27.57
Group 1A	$ 62.39	27.57
Group 1AA	$ 63.29	27.57
Group 1AAA	$ 64.19	27.57
Group 2	$ 60.69	27.57
Group 3	$ 60.02	27.57
Group 4	$ 56.19	27.57

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1AAA
Cranes: 300 tons and over or 300? of boom including jib with attachments; Cranes Friction: 200 tons and over; Tower Cranes: over 250? in height from base to boom.

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Group 1AA
Cranes: 200 tons- 299 tons, or 250? of boom including jib with attachments; Cranes: Friction cranes through 199 tons; Leverman; Shovel, Excavator, Backhoes: over 90 metric tons; Tower Crane: over 175? through 250? in height, base to boom.

Group 1A
Cranes: 100 tons through 199 tons, or 150? of boom (including jib with attachments); Drilling Machine; Overhead, bridge type: 100 tons and over; Tower Crane: up to 175? in height base to boom; Loader: Overhead 8 yards & over; Shovel, Excavator, Backhoes: over 50 metric tons and up to 90 metric tons; Mechanics.

Group 1
Asphalt plant Operators; Cableways; Concrete Pump: Truck mount with boom attachment over 42M; Cranes: 45 tons through 99 tons, under 150? of boom (including jib with attachments); Overhead, bridge type: 45 tons through 99 tons; Derricks: on building work; Hard Tail End Dump: articulating off-road equipment 45 yards & over; Loader: Overhead 6 yards but not including 8 yards; Motor Patrol Graders; Mucking Machine, Mole, Tunnel Drill, Boring, Road Header and/or Shield; Quad 9, HD 41, D10 and over; Remote Control Operator on rubber tired earth moving equipment; Rollagon; Scrapers, self-propelled: 45 yards and over; Spreader: Topsider & Screedman; Shovel, Excavator, Backhoe: over 30 metric tons and up to 50 metric tons; Slipform Pavers; Transporters: all track or truck type; Welder.

Group 2
Batch Plant Operator: concrete; Barrier Machine: (Zipper); Bump Cutter; Cranes: 20 tons through 44 tons with attachments; Overhead, bridge type Crane: 20 tons through 44 tons; Chipper; Concrete Pump: truck mount with boom attachment up to 42M; Crusher; Deck Engineer/Deck Winches (Power); Grade Engineer: using blue prints, cut sheets, etc.; -Finishing Machine: Bidwell and Gamaco & Similar Equipment; Guardrail Punch; Hard Tail End Dump: articulating off-road equipment under 45 yards; Horizontal/Directional Drill Operator; Loaders: Overhead under 6 yards; Loaders: Plant Feed; Locomotives: all; Material Transfer Device; Piledriver: (other than crane mount); Quick Tower: no cab, under 100 feet in height base to boom; Roto-Mill, Roto-Grinder; Shovel, Excavator, Backhoe, Tractor: 15 to 30 metric tons; Subgrader Trimmer; Scraper: self propelled under 45 yards; Truck Crane Oiler/Driver: 100 tons and over; Truck Mount Portable Conveyor; -Vac Truck (Vactor Guzzler, Hydro Excavator); Yo Yo Pay Dozer.

Group 3
Cranes: through 19 tons with attachments, A-frame over 10 tons; Concrete Pump: Mounted or trailer high pressure line pump, pump high pressure; Conveyors; Dozers: D-9 & under; Drill Oilers: auger type, truck or crane mount; Forklift: 3000 lbs and over with attachments; Horizontal/Directional Drill Locator; Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato; Tower Bucket Elevators; Hydralifts/Boom trucks: over 10 tons; Loaders: elevating type belt; Plant Oiler: asphalt, crusher; Rigger/Signal Person, Bellman (Certified); Roller: plant mix or multi-lift materials; Saws: Concrete; Scrapers: concrete & carry all Service Engineers: equipment; Trenching Machines; Truck Crane

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Oiler/Driver: under 100 tons; Shovel, Excavator, Backhoe, Tractors: under 15 metric tons.

Group 4
Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine: Laser Screed; Cranes, A-frame: 10 tons and under; Elevator and man-lift: permanent and shaft type; Forklifts: under 3000 lbs. with attachments; Gradechecker/Stakeman; Hydralifts/Boom Trucks: 10 tons and under; Oil distributors, Blower Distribution & Mulch Seeding Operator; Pavement Breaker; Posthole Digger: mechanical; Power Plant; Pumps: water; -Rigger and Bellman; Roller: other than plant mix; Wheel Tractors: Farm all type; Shotcrete/Gunite Equipment; Brokk: Remote demolition equipment

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ENGI0302-094 06/01/2025

KITSAP COUNTY

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 1	$ 60.93	27.57
Group 1A	$ 61.83	27.57
Group 1AA	$ 62.73	27.57
Group 1AAA	$ 63.62	27.57
Group 2	$ 60.14	27.57
Group 3	$ 59.49	27.57
Group 4	$ 55.68	27.57

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1AAA
Cranes: 300 tons and over or 300? of boom including jib with attachments; Cranes Friction: 200 tons and over; Tower Cranes: over 250? in height from base to boom.

Group 1AA
Cranes: 200 tons- 299 tons, or 250? of boom including jib with attachments; Cranes: Friction cranes through 199 tons; Leverman; Shovel, Excavator, Backhoes: over 90 metric tons; Tower Crane: over 175? through 250? in height, base to boom.

Group 1A
Cranes: 100 tons through 199 tons, or 150? of boom (including jib with attachments); Drilling Machine; Overhead, bridge type: 100 tons and over; Tower Crane: up to 175? in height base to boom; Loader: Overhead 8 yards & over; Shovel, Excavator, Backhoes: over 50 metric tons and up to 90 metric tons; Mechanics.

Group 1
Asphalt plant Operators; Cableways; Concrete Pump: Truck mount with boom attachment over 42M; Cranes: 45 tons through 99 tons, under 150? of boom (including jib with attachments); Overhead, bridge type: 45 tons through 99 tons; Derricks: on building work; Hard Tail End Dump: articulating off-road equipment 45 yards & over; Loader: Overhead 6 yards but not including 8 yards; Motor Patrol Graders; Mucking Machine, Mole, Tunnel Drill, Boring, Road Header and/or Shield; Quad 9, HD 41, D10 and over; Remote Control Operator on rubber tired earth moving equipment; Rollagon; Scrapers, self-propelled: 45 yards and over;

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Spreader: Topsider & Screedman; Shovel, Excavator, Backhoe: over 30 metric tons and up to 50 metric tons; Slipform Pavers; Transporters: all track or truck type; Welder.

Group 2
Batch Plant Operator: concrete; Barrier Machine: (Zipper); Bump Cutter; Cranes: 20 tons through 44 tons with attachments; Overhead, bridge type Crane: 20 tons through 44 tons; Chipper; Concrete Pump: truck mount with boom attachment up to 42M; Crusher; Deck Engineer/Deck Winches (Power); Grade Engineer: using blue prints, cut sheets, etc.; -Finishing Machine: Bidwell and Gamaco & Similar Equipment; Guardrail Punch; Hard Tail End Dump: articulating off-road equipment under 45 yards; Horizontal/Directional Drill Operator; Loaders: Overhead under 6 yards; Loaders: Plant Feed; Locomotives: all; Material Transfer Device; Piledriver: (other than crane mount); Quick Tower: no cab, under 100 feet in height base to boom; Roto-Mill, Roto-Grinder; Shovel, Excavator, Backhoe, Tractor: 15 to 30 metric tons; Subgrader Trimmer; Scraper: self propelled under 45 yards; Truck Crane Oiler/Driver: 100 tons and over; Truck Mount Portable Conveyor; -Vac Truck (Vactor Guzzler, Hydro Excavator); Yo Yo Pay Dozer.

Group 3
Cranes: through 19 tons with attachments, A-frame over 10 tons; Concrete Pump: Mounted or trailer high pressure line pump, pump high pressure; Conveyors; Dozers: D-9 & under; Drill Oilers: auger type, truck or crane mount; Forklift: 3000 lbs and over with attachments; Horizontal/Directional Drill Locator; Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato; Tower Bucket Elevators; Hydralifts/Boom trucks: over 10 tons; Loaders: elevating type belt; Plant Oiler: asphalt, crusher; Rigger/Signal Person, Bellman (Certified); Roller: plant mix or multi-lift materials; Saws: Concrete; Scrapers: concrete & carry all Service Engineers: equipment; Trenching Machines; Truck Crane Oiler/Driver: under 100 tons; Shovel, Excavator, Backhoe, Tractors: under 15 metric tons.

Group 4
Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine: Laser Screed; Cranes, A-frame: 10 tons and under; Elevator and man-lift: permanent and shaft type; Forklifts: under 3000 lbs. with attachments; Gradechecker/Stakeman; Hydralifts/Boom Trucks: 10 tons and under; Oil distributors, Blower Distribution & Mulch Seeding Operator; Pavement Breaker; Posthole Digger: mechanical; Power Plant; Pumps: water; -Rigger and Bellman; Roller: other than plant mix; Wheel Tractors: Farm all type; Shotcrete/Gunite Equipment; Brokk: Remote demolition equipment

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ENGI0302-095 06/01/2025

CHELAN(WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS(WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KITTITAS(WEST OF THE 120TH MERIDIAN), MASON, OKANOGAN(WEST OF THE 120TH MERIDIAN), SAN JUNA, AND YAKIMA(WEST OF THE 120TH MERIDIAN) COUNTIES

	Rates	Fringes

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POWER EQUIPMENT OPERATOR

Group 1	$ 60.67	27.57
Group 1A	$ 61.56	27.57
Group 1AA	$ 62.47	27.57
Group 1AAA	$ 63.35	27.57
Group 2	$ 59.88	27.57
Group 3	$ 59.23	27.57
Group 4	$ 55.43	27.57

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1AAA
Cranes: 300 tons and over or 300? of boom including jib with attachments; Cranes Friction: 200 tons and over; Tower Cranes: over 250? in height from base to boom.

Group 1AA
Cranes: 200 tons- 299 tons, or 250? of boom including jib with attachments; Cranes: Friction cranes through 199 tons; Leverman; Shovel, Excavator, Backhoes: over 90 metric tons; Tower Crane: over 175? through 250? in height, base to boom.

Group 1A
Cranes: 100 tons through 199 tons, or 150? of boom (including jib with attachments); Drilling Machine; Overhead, bridge type: 100 tons and over; Tower Crane: up to 175? in height base to boom; Loader: Overhead 8 yards & over; Shovel, Excavator, Backhoes: over 50 metric tons and up to 90 metric tons; Mechanics.

Group 1
Asphalt plant Operators; Cableways; Concrete Pump: Truck mount with boom attachment over 42M; Cranes: 45 tons through 99 tons, under 150? of boom (including jib with attachments); Overhead, bridge type: 45 tons through 99 tons; Derricks: on building work; Hard Tail End Dump: articulating off-road equipment 45 yards & over; Loader: Overhead 6 yards but not including 8 yards; Motor Patrol Graders; Mucking Machine, Mole, Tunnel Drill, Boring, Road Header and/or Shield; Quad 9, HD 41, D10 and over; Remote Control Operator on rubber tired earth moving equipment; Rollagon; Scrapers, self-propelled: 45 yards and over; Spreader: Topsider & Screedman; Shovel, Excavator, Backhoe: over 30 metric tons and up to 50 metric tons; Slipform Pavers; Transporters: all track or truck type; Welder.

Group 2
Batch Plant Operator: concrete; Barrier Machine: (Zipper); Bump Cutter; Cranes: 20 tons through 44 tons with attachments; Overhead, bridge type Crane: 20 tons through 44 tons; Chipper; Concrete Pump: truck mount with boom attachment up to 42M; Crusher; Deck Engineer/Deck Winches (Power); Grade Engineer: using blue prints, cut sheets, etc.; -Finishing Machine: Bidwell and Gamaco & Similar Equipment; Guardrail Punch; Hard Tail End Dump: articulating off-road equipment under 45 yards; Horizontal/Directional Drill Operator; Loaders: Overhead under 6 yards; Loaders: Plant Feed; Locomotives: all; Material Transfer Device; Piledriver: (other than crane mount); Quick Tower: no cab, under 100 feet in height base to boom; Roto-Mill, Roto-Grinder; Shovel, Excavator, Backhoe, Tractor: 15 to 30 metric tons; Subgrader Trimmer; Scraper: self propelled under 45 yards; Truck Crane Oiler/Driver: 100 tons and over; Truck Mount Portable

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Conveyor; -Vac Truck (Vactor Guzzler, Hydro Excavator); Yo Yo Pay Dozer.

Group 3
Cranes: through 19 tons with attachments, A-frame over 10 tons; Concrete Pump: Mounted or trailer high pressure line pump, pump high pressure; Conveyors; Dozers: D-9 & under; Drill Oilers: auger type, truck or crane mount; Forklift: 3000 lbs and over with attachments; Horizontal/Directional Drill Locator; Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato; Tower Bucket Elevators; Hydralifts/Boom trucks: over 10 tons; Loaders: elevating type belt; Plant Oiler: asphalt, crusher; Rigger/Signal Person, Bellman (Certified); Roller: plant mix or multi-lift materials; Saws: Concrete; Scrapers: concrete & carry all Service Engineers: equipment; Trenching Machines; Truck Crane Oiler/Driver: under 100 tons; Shovel, Excavator, Backhoe, Tractors: under 15 metric tons.

Group 4
Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine: Laser Screed; Cranes, A-frame: 10 tons and under; Elevator and man-lift: permanent and shaft type; Forklifts: under 3000 lbs. with attachments; Gradechecker/Stakeman; Hydralifts/Boom Trucks: 10 tons and under; Oil distributors, Blower Distribution & Mulch Seeding Operator; Pavement Breaker; Posthole Digger: mechanical; Power Plant; Pumps: water; -Rigger and Bellman; Roller: other than plant mix; Wheel Tractors: Farm all type; Shotcrete/Gunite Equipment; Brokk: Remote demolition equipment

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* ENGI0302-124 06/01/2025

ASOTIN, BENTON, FRANKLIN, GARFIELD, LINCOLN, SPOKANE, STEVENS, WALLA WALLA, AND WHITMAN

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1	$ 38.17	23.40
GROUP 2	$ 38.56	23.40
GROUP 3	$ 39.31	23.40
GROUP 4	$ 39.51	23.40
GROUP 5	$ 39.71	23.40
GROUP 6	$ 40.00	23.40
GROUP 7	$ 40.39	23.40
GROUP 8	$ 42.36	23.40

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman

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or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled; Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginau or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment(8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operaotr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with

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blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel(under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragine; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly andSimilar); Ultra High Pressure Wateriet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead,rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

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* ENGI0302-125 06/01/2025

ADAMS, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, GRANT, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, STEVENS, AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1	$ 41.17	23.40
GROUP 2	$ 41.56	23.40
GROUP 3	$ 42.31	23.40
GROUP 4	$ 42.51	23.40
GROUP 5	$ 42.71	23.40
GROUP 6	$ 43.05	23.40
GROUP 7	$ 43.39	23.40
GROUP 8	$ 45.36	23.40

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and

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chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled; Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginau or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment(8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operaotr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

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GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers)(Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Rollerman (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel(under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vactor guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragine; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly andSimilar); Ultra High Pressure Wateriet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead,rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

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ENGI0612-001 06/01/2025

PIERCE County

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A	$ 62.32	27.32
GROUP 1AA	$ 63.22	27.32
GROUP 1AAA	$ 64.11	27.32
GROUP 1	$ 61.41	27.32
GROUP 2	$ 60.63	27.32
GROUP 3	$ 59.96	27.32

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GROUP 4.....$ 56.15 27.32

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) = $1.00
Zone 3 (Over 45 radius miles) - $1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service

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engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be elgible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class ""D"" Suit - Base wage rate plus $ .50 per hour.
H-2 Class ""C"" Suit - Base wage rate plus $1.00 per hour.
H-3 Class ""B"" Suit - Base wage rate plus $1.50 per hour.
H-4 Class ""A"" Suit - Base wage rate plus $2.00 per hour.

ENGI0612-008 06/01/2025

LEWIS AND PACIFIC (PORTION LYING NORTH OF A PARALLEL LINE EXTENDING WEST FROM THE NORTHERN BOUNDARY OF WAHKAIKUM COUNTY TO THE SEA) COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A	$ 61.22	27.32
GROUP 1AA	$ 62.12	27.32
GROUP 1AAA	$ 62.99	27.32
GROUP 1	$ 60.32	27.32
GROUP 2	$ 59.56	27.32
GROUP 3	$ 58.89	27.32

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GROUP 4.....$ 55.13 27.32

Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) = $1.00
Zone 3 (Over 45 radius miles) - $1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service

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engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than $1.5 million excluding mechanical, electrical, and utility portions of the contract.

2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be elgible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class ""D"" Suit - Base wage rate plus $ .50 per hour.
H-2 Class ""C"" Suit - Base wage rate plus $1.00 per hour.
H-3 Class ""B"" Suit - Base wage rate plus $1.50 per hour.
H-4 Class ""A"" Suit - Base wage rate plus $2.00 per hour.

ENGI0612-012 06/01/2025

THURSTON COUNTY

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A	$ 61.81	27.32
GROUP 1AA	$ 62.71	27.32
GROUP 1AAA	$ 63.59	27.32
GROUP 1	$ 60.91	27.32
GROUP 2	$ 60.14	27.32
GROUP 3	$ 59.46	27.32
GROUP 4	$ 55.68	27.32

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Zone Differential (Add to Zone 1 rates):
Zone 2 (26-45 radius miles) = $1.00
Zone 3 (Over 45 radius miles) - $1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self- propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

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GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

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2. Projects of less than $1 million where no building is involved. Surfacing and paving included, but utilities excluded.

3. Marine projects (docks, wharfs, etc.) less than $150,000.

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H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class ""D"" Suit - Base wage rate plus $ .50 per hour.
H-2 Class ""C"" Suit - Base wage rate plus $1.00 per hour.
H-3 Class ""B"" Suit - Base wage rate plus $1.50 per hour.
H-4 Class ""A"" Suit - Base wage rate plus $2.00 per hour.

ENGI0701-002 01/01/2025

CLARK, COWLITZ, KLICKKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

POWER RQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1	$ 58.94	17.15
GROUP 1A	$ 61.10	17.15
GROUP 1B	$ 63.26	17.15
GROUP 2	$ 57.03	17.15
GROUP 3	$ 55.88	17.15
GROUP 4	$ 52.55	17.15
GROUP 5	$ 51.31	17.15
GROUP 6	$ 48.09	17.15

Zone Differential (add to Zone 1 rates):
Zone 2 - $3.00
Zone 3 - $6.00

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For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

All jobs or projects located in Multnomah, Clackamas and Marion Counties, West of the western boundary of Mt. Hood National Forest and West of Mile Post 30 on Interstate 84 and West of Mile Post 30 on State Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or porjects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens ""Blast Zone"" shall receive Zone I pay for all classifications.

All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

All jobs or projects located more than 30 miles and less than 50 miles from the respective city hall of the above mentioned cities shall receive Zone II pay for all classifications.

All jobs or projects located more than 50 miles from the respective city hall of the above mentioned cities shall receive Zone III pay for all classifications.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

Group 1
Concrete Batch Plan and or Wet mix three (3) units or more; Crane, Floating one hundred and fifty (150) ton but less than two hundred and fifty (250) ton; Crane, two hundred (200) ton through two hundred ninety nine (299) ton with two hundred foot (200') boom or less (including jib, inserts and/or attachments); Crane, ninety (90) ton through one hundred ninety nine (199) ton with over two hundred (200') boom Including jib, inserts and/or attachments); Crane, Tower Crane with one hundred seventy five foot (175') tower or less and with less than two hundred foot (200') jib; Crane, Whirley ninety (90) ton and over; Helicopter when used in erecting work

Group 1A
Crane, floating two hundred fifty (250) ton and over; Crane, two hundred (200) ton through two hundred ninety nine (299) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Crane, three hundred (300) ton through three hundred ninety nine (399) ton; Crane, Tower Crane with over one hundred seventy five foot (175') tower or over two hundred foot (200') jib;

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Crane, tower Crane on rail system or 2nd tower or more in work radius

Group 1B

Crane, three hundred (300) ton through three hundred ninety nine (399) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Floating crane, three hundred fifty (350) ton and over; Crane, four hundred (400) ton and over

Group 2

Asphalt Plant (any type); Asphalt Roto-Mill, pavement profiler eight foot (8') lateral cut and over; Auto Grader or ""Trimmer""; Blade, Robotic; Bulldozer, Robotic Equipment (any type); Bulldozer, over one hundred twenty thousand (120,000) lbs. and above; Concrete Batch Plant and/or Wet Mix one (1) and two (2) drum; Concrete Diamond Head Profiler; Canal Trimmer; Concrete, Automatic Slip Form Paver (Assistant to the Operator required); Crane, Boom Truck fifty (50) ton and with over one hundred fifty foot (150') boom and over; Crane, Floating (derrick barge) thirty (30) ton but less than one hundred fifty (150) ton; Crane, Cableway twenty-five (25) ton and over; Crane, Floating Clamshell three (3) cu. Yds. And over; Crane, ninety (90) ton through one hundred ninety nine (199) ton up to and including two hundred foot (200') of boom (including jib inserts and/or attachments); Crane, fifty (50) ton through eighty nine (89) ton with over one hundred fifty foot (150') boom (including jib inserts and/or attachments); Crane, Whirley under ninety (90) ton; Crusher Plant; Excavator over one hundred thirty thousand (130,000) lbs.; Loader one hundred twenty thousand (120,000) lbs. and above; Remote Controlled Earth Moving Equipment; Shovel, Dragline, Clamshell, five (5) cu. Yds. And over; Underwater Equipment remote or otherwise, when used in construction work; Wheel Excavator any size

Group 3

Bulldozer, over seventy thousand (70,000) lbs. up to and including one hundred twenty thousand (120,000) lbs.; Crane, Boom Truck fifty (50) ton and over with less than one hundred fifty foot (150') boom; Crane, fifty (50) ton through eighty nine (89) ton with one hundred fifty foot (150') boom or less (including jib inserts and/or attachments); Crane, Shovel, Dragline or Clamshell three (3) cu. yds. but less than five (5) cu. Yds.; Excavator over eighty thousand (80,000) lbs. through one hundred thirty thousand (130,000) lbs.; Loader sixty thousand (60,000) lbs. and less than one hundred twenty thousand (120,000) lbs.

Group 4

Asphalt, Screed; Asphalt Paver; Asphalt Roto-Mill, pavement profiler, under eight foot (8') lateral cut; Asphalt, Material Transfer Vehicle Operator; Back Filling Machine; Backhoe, Robotic, track and wheel type up to and including twenty thousand (20,000) lbs. with any attachments; Blade (any type); Boatman; Boring Machine; Bulldozer over twenty thousand (20,000) lbs. and more than one hundred (100) horse up to seventy thousand (70,000) lbs.; Cable-Plow (any type); Cableway up to twenty five (25) ton; Cat Drill (John Henry); Chippers; Compactor, multi-engine; Compactor, Robotic; Compactor with blade self-propelled; Concrete,

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Breaker; Concrete, Grout Plant; Concrete, Mixer Mobile; Concrete, Paving Road Mixer; Concrete, Reinforced Tank Banding Machine; Crane, Boom Truck twenty (20) ton and under fifty (50) ton; Crane, Bridge Locomotive, Gantry and Overhead; Crane, Carry Deck; Crane, Chicago Boom and similar types; Crane, Derrick Operator, under one hundred (100) ton; Crane, Floating Clamshell, Dragline, etc. Operator, under three (3) cu. yds. Or less than thirty (30) ton; Crane, under fifty (50) ton; Crane, Quick Tower under one hundred foot (100') in height and less than one hundred fifty foot (150') jib (on rail included); Diesel-Electric Engineer (Plant or Floating); Directional Drill over twenty thousand (20,000) lbs. pullback; Drill Cat Operator; Drill Doctor and/or Bit Grinder; Driller, Percussion, Diamond, Core, Cable, Rotary and similar type; Excavator Operator over twenty thousand (20,000) lbs. through eighty thousand (80,000) lbs.; Generator Operator; Grade-all; Guardrail Machines, i.e. punch, auger, etc.; Hammer Operator (Piledriver); Hoist, stiff leg, guy derrick or similar type, fifty (50) ton and over; Hoist, two (2) drums or more; Hydro Axe (loader mounted or similar type); Jack Operator, Elevating Barges, Barge Operator, self-unloading; Loader Operator, front end and overhead, twenty five thousand (25,000) lbs. and less than sixty thousand (60,000) lbs.; Log Skidders; Piledriver Operator (not crane type); Pipe, Bending, Cleaning, Doping and Wrapping Machines; Rail, Ballast Tamper Multi-Purpose; Rubber-tired Dozers and Pushers; Scraper, all types; Side-Boom; Skip Loader, Drag Box; Strump Grinder (loader mounted or similar type); Surface Heater and Planer; Tractor, rubber-tired, over fifty (50) HP Flywheel; Trenching Machine three foot (3') depth and deeper; Tub Grinder (used for wood debris); Tunnel Boring Machine Mechanic; Tunnel, Mucking Machine; Ultra High Pressure Water Jet Cutting Tool System Operator; Vacuum Blasting Machine Operator; Water pulls, Water wagons

Group 5

Asphalt, Extrusion Machine; Asphalt, Roller (any asphalt mix); Asphalt, Roto-Mill pavement profiler ground man; Bulldozer, twenty thousand (20,000) lbs. or less, or one hundred (100) horse or less; Cement Pump; Chip Spreading Machine; Churn Drill and Earth Boring Machine; Compactor, self-propelled without blade; Compressor, (any power) one thousand two hundred fifty (1,250) cu. ft. and over, total capacity; Concrete, Batch Plant Quality control; Concrete, Combination Mixer and compressor operator, gunite work; Concrete, Curb Machine, Mechanical Berm, Curb and/or Curb and Gutter; Concrete, Finishing Machine; Concrete, Grouting Machine; Concrete, Internal Full Slab Vibrator Operator; Concrete, Joint Machine; Concrete, Mixer single drum, any capacity; Concrete, Paving Machine eight foot (8') or less; Concrete, Planer; Concrete, Pump; Concrete, Pump Truck; Concrete, Pumpcrete Operator (any type); Concrete, Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Conveyored Material Hauler; Crane, Boom Truck under twenty (20) tons; Crane, Boom Type lifting device, five (5) ton capacity or less; Drill, Directional type less than twenty thousand (20,000) lbs. pullback; Fork Lift, over ten (10) ton or Robotic; Helicopter Hoist; Hoist Operator, single drum; Hydraulic Backhoe track type up to and including twenty thousand (20,000) lbs.; Hydraulic Backhoe wheel type (any make); Laser Screed; Loaders, rubber-tired type, less than twenty five thousand (25,000) lbs.; Pavement Grinder and/or Grooving Machine (riding

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type); Pipe, cast in place Pipe Laying Machine; Pulva-Mixer or similar types; Pump Operator, more than five (5) pumps (any size); Rail, Ballast Compactor, Regulator, or Tamper machines; Service Oiler (Greaser); Sweeper Self-Propelled; Tractor, Rubber-Tired, fifty (50) HP flywheel and under; Trenching Machine Operator, maximum digging capacity three foot (3') depth; Tunnel, Locomotive, Dinkey; Tunnel, Power Jumbo setting slip forms, etc.

Group 6

Asphalt, Pugmill (any type); Asphalt, Raker; Asphalt, Truck Mounted Asphalt Spreader, with Screed; Auger Oiler; Boatman; Bobcat, skid steed (less than one (1) yard); Broom, self-propelled; Compressor Operator (any power) under 1,250 cu. ft. total capacity; Concrete Curing Machine (riding type); Concrete Saw; Conveyor Operator or Assistant; Crane, Tugger; Crusher Feederman; Crusher Oiler; Deckhand; Drill, Directional Locator; Fork Lift; Grade Checker; Guardrail Punch Oiler; Hydrographic Seeder Machine, straw, pulp or seed; Hydrostatic Pump Operator; Mixer Box (CTB, dry batch, etc.); Oiler; Plant Oiler; Pump (any power); Rail, Brakeman, Switchman, Motorman; Rail, Tamping Machine, mechanical, self-propelled; Rigger; Roller grading (not asphalt); Truck, Crane Oiler-Driver

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IRON0014-005 07/07/2025

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE, STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER	$ 43.40	32.77

IRON0029-002 07/07/2025

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM COUNTIES

	Rates	Fringes
IRONWORKER	$ 48.31	34.52

IRON0086-002 07/07/2025

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER	$ 43.40	32.77

IRON0086-004 07/07/2025

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER	$ 57.94	34.52

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LABO0238-004 06/01/2025

A-1 AREA: ASOTIN, BENTON, FRANKLIN, GARFIELD, LINCOLN, SPOKANE, WALLA WALLA, AND WHITMAN COUNTIES
A-2 AREA: ADAMS,COLUMBIA,DOUGLAS (East of 120th Meridian), FERRY, GRANT, OKANOGAN, PEND OREILLE, AND STEVENS COUNTIES

	Rates	Fringes
LABORER (A-1)		
GROUP 1	$ 34.03	16.90
GROUP 2	$ 37.13	16.90
GROUP 3	$ 37.46	16.90
GROUP 4	$ 37.80	16.90
GROUP 5	$ 38.14	16.90
LABORER (A-2)		
GROUP 1	$ 37.03	16.90
GROUP 2	$ 40.13	16.90
GROUP 3	$ 40.46	16.90
GROUP 4	$ 40.80	16.90
GROUP 5	$ 41.14	16.90

LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezcrete or similar machine,6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder, Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class ""A"" (to include all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical ""splash suit"" and air purifying respirator); Jackhammer

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Operator; Miner, Class ""B"" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi- plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Aspahlt Raker;Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical ""splash suit""); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class ""D"", (to include raise and shaft miner, laser beam operator on riases and shafts)

LABO0238-006 06/01/2025

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA, WHITMAN

	Rates	Fringes
Hod Carrier	$ 38.05	16.75

LABO0242-003 06/01/2025

KING COUNTY

	Rates	Fringes
LABORER		
GROUP 1	$ 36.07	15.79
GROUP 2A	$ 40.88	16.72
GROUP 3	$ 50.38	16.96
GROUP 4	$ 51.52	16.99
GROUP 5	$ 52.31	17.01

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GROUP 6.....$ 53.99 17.05

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $1.00
ZONE 3 - $1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2A: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical ""splash suit"" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical ""splash suit""); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on

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concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

Group 6: Miner

LABO0252-010 06/01/2025

CLALLAM, GRAYS HARBOR, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC (EXCLUDING SOUTHWEST), PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
LABORER		
GROUP 1	$ 36.07	15.79
GROUP 2	$ 40.88	16.72
GROUP 3	$ 50.38	16.96
GROUP 4	$ 51.52	16.99
GROUP 5	$ 52.31	17.01

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $1.00
ZONE 3 - $1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

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GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical ""splash suit"" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical ""splash suit""); Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Grade Checker and Transit Person; High Scaler; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0292-008 06/01/2025

ISLAND, SAN JUAN, SKAGIT, SNOHOMISH, AND WHATCOM COUNTIES

	Rates	Fringes
LABORER		
GROUP 1	$ 36.07	15.79
GROUP 2	$ 40.88	16.72
GROUP 3	$ 50.38	16.96
GROUP 4	$ 51.52	16.99
GROUP 5	$ 52.31	17.01

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective

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city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $1.00
ZONE 3 - $1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical ""splash suit"" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical ""splash suit""); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and

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cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

LABO0335-022 06/01/2025

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 32.67	15.60
GROUP 2	$ 40.56	15.60
GROUP 3	$ 44.06	15.60
GROUP 4	$ 44.90	15.60
GROUP 5	$ 45.54	15.60
GROUP 6	$ 46.08	15.60

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping, and/or Planting Laborers

GROUP 2: Fence Builders and Traffic Flaggers

GROUP 3: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Hod Carrier; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 4: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric;

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Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 5: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Pwdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 6: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

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LABO0348-003 06/01/2025

CHELAN, DOUGLAS (W OF 12TH MERIDIAN), KITTITAS, AND YAKIMA COUNTIES

	Rates	Fringes
LABORER		
GROUP 1	$ 31.19	16.48
GROUP 2	$ 35.34	16.59
GROUP 3	$ 38.40	16.66
GROUP 4	$ 39.26	16.68
GROUP 5	$ 39.89	16.70

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $1.00
ZONE 3 - $1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall
ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):
ZONE 2 - $2.25

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LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical ""splash suit"" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical ""splash suit""); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

PAIN0005-002 07/01/2025

STATEWIDE EXCEPT CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
STRIPERS	$ 41.80	20.85

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PAIN0010-012 07/01/2025

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
PAINTER (Brush, Roller, Spray & Sandblasting)	$ 39.94	16.68

PAIN0010-013 07/01/2025

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
Painters:		
HIGHWAY & PARKING LOT STRIPER	$ 41.19	17.09

PAIN0300-007 07/01/2025

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
PAINTER	$ 41.24	14.70

PAIN0427-005 07/01/2025

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE); CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
PAINTER (Application of Cold Tar Products, Epoxies, Polyurethanes, Acids, Radiation Resistant Material, Water, Sandblasting, Over 30'/Swing Stage Work, Brush, Roller, Striping, Steam-cleaning, and Spray)	$ 36.26	17.01

PLAS0072-004 06/01/2025

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1	$ 40.89	18.64

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Zone Differential (Add to Zone 1 rate): Zone 2 - $3.00

BASE POINTS: Spokane, Pasco, Lewiston; Wenatchee
Zone 1: 0 - 45 radius miles from the main post office
Zone 2: Over 45 radius miles from the main post office

PLAS0528-001 06/01/2024

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON, WAHKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
CEMENT MASON		
CEMENT MASON	$ 54.16	21.27
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE	$ 54.66	21.27
TROWELING MACHINE OPERATOR ON COMPOSITION	$ 54.66	21.27

PLAS0555-002 06/01/2025

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
CEMENT MASON		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD	$ 48.05	20.31
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD	$ 47.09	20.31
CEMENT MASONS	$ 46.13	20.31
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS	$ 47.09	20.31

Zone Differential (Add To Zone 1 Rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND, SALEM, THE DALLES, VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall
ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.
ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.
ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.
ZONE 5: More than 80 miles from the respective city hall

TEAM0037-002 06/01/2024

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CLARK, COWLITZ, KLICKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1	$ 33.09	17.63
GROUP 2	$ 33.24	17.63
GROUP 3	$ 33.40	17.63
GROUP 4	$ 33.72	17.63
GROUP 5	$ 33.97	17.63
GROUP 6	$ 34.18	17.63
GROUP 7	$ 34.42	17.63

Zone Differential (Add to Zone 1 Rates):
Zone 2 - $0.65
Zone 3 - 1.15
Zone 4 - 1.70
Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lifrt truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials on job site); Oil

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Distributor Driver or Leverman; Transit mix and wet or dry mix trcuks: over 5 cu. yds. and including 7 cu. yds.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom cumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

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* TEAM0174-001 06/01/2025

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:	$ 55.43	27.52
GROUP 2:	$ 54.59	27.52
GROUP 3:	$ 51.78	27.52
GROUP 4:	$ 46.81	27.52
GROUP 5:	$ 54.98	27.52

ZONE B (25-45 miles from center of listed cities*): Add $.70 per hour to Zone A rates.
ZONE C (over 45 miles from centr of listed cities*): Add $1.00 per hour to Zone A rates.

*Zone pay will be calculated from the city center of the following listed cities:

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BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - ""A-frame or Hydralift"" trucks and Boom trucks or similar equipment when ""A"" frame or ""Hydralift"" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards $.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired)(when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by $2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:
LEVEL C: +$.25 per hour - This level uses an air purifying respirator or additional protective clothing.
LEVEL B: +$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical ""splash suit.""
LEVEL A: +$.75 per hour - This level utilizes a fully-

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encapsulated suit with a self-contained breathing apparatus or a supplied air line.

TEAM0690-004 06/01/2024

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
Truck drivers: (AREA 1: SPOKANE ZONE CENTER: Adams, Chelan, Douglas, Ferry, Grant, Kittitas, Lincoln, Okanogan, Pen Oreille, Spokane, Stevens, and Whitman Counties		
AREA 1: LEWISTON ZONE CENTER: Asotin, Columbia, and Garfield Counties		
AREA 2: PASCO ZONE CENTER: Benton, Franklin, Walla Walla and Yakima Counties)		
AREA 1:		
GROUP 1	$ 36.83	20.93
GROUP 2	$ 39.47	20.93
GROUP 3	$ 39.58	20.93
GROUP 4	$ 39.91	20.93
GROUP 5	$ 40.02	20.93
GROUP 6	$ 40.22	20.93
GROUP 7	$ 40.56	20.93
GROUP 8	$ 40.88	20.93
AREA 2:		
GROUP 1	$ 33.83	20.93
GROUP 2	$ 36.47	20.93
GROUP 3	$ 36.58	20.93
GROUP 4	$ 36.91	20.93
GROUP 5	$ 37.02	20.93
GROUP 6	$ 37.22	20.93
GROUP 7	$ 37.56	20.93
GROUP 8	$ 37.88	20.93

Zone Differential (Add to Zone 1 rate: Zone 1 + $2.00)

BASE POINTS: Spokane, Pasco, Lewiston
Zone 1: 0-45 radius miles from the main post office.
Zone 2: Outside 45 radius miles from the main post office

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

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GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraullic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self- loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi- end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable oeprated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in additon to the classification working in as follows:

LEVEL C-D: - $.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - $1.00 PER HOUR (Uses supplied air is conjunction with a chemical spash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

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NOTE:
Trucks Pulling Equipment Trailers: shall receive $.15/hour over applicable truck rate

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at https://www.dol.gov/agencies/whd/government-contracts.

Note: Executive Order 13658 generally applies to contracts subject to the Davis-Bacon Act that were awarded on or between January 1, 2015 and January 29, 2022, and that have not been renewed or extended on or after January 30, 2022. Executive Order 13658 does not apply to contracts subject only to the Davis-Bacon Related Acts regardless of when they were awarded. If a contract is subject to Executive Order 13658, the contractor must pay all covered workers at least $13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025. The applicable Executive Order minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under Executive Order 13658 is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

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A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an

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internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

a) a survey underlying a wage determination
b) an existing published wage determination
c) an initial WHD letter setting forth a position on a wage determination matter
d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board

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U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

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STATE WAGE RATES

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Prevailing Wage Rate Requirements

The State of Washington prevailing wage rates for King County apply to work performed under this contract. The applicable prevailing wage rates may be found at the following website address of the Department of Labor and Industries (L&I): https://lni.wa.gov/licensing-permits/public-works-projects/prevailing-wage-rates/.

A copy of the applicable prevailing wage rates are available for viewing at the City of Bellevue's Purchasing and Contracting Services office, located at Bellevue City Hall 450 110th Ave NE, Bellevue WA 98004. Upon request, the City will mail a hard copy of the applicable prevailing wages for this project.

Prevailing Wage rate for public works contracts are published on the first business day of February and the first business day of August of each year. These rates become effective thirty days after the date of publication. The prevailing wage rate in effect on the bid opening date are the prevailing wage rates that apply to that project, no matter how long it lasts, unless the contract is awarded more than six months after the bids were due. For those contracts where award was delayed more than six months, the prevailing wage rate in effect on the date of the award shall apply for the duration of the contract.

Intents and Affidavits

Public works contracts require that each and every Contractor, Sub-Contractor and Lower Tier Contractors ("Contractors") on the project file the Statement of Intent to Pay Prevailing Wages (Intent), and Affidavit of Wages Paid (Affidavit) Public Works contract form. Contractors are responsible for filing all forms with L&I and shall be responsible for paying all filing fees. The forms are filed with L&I and, once they are approved, are submitted by the Contractors to the City. There is no minimum dollar contract amount. That is, Intent and Affidavit forms are required for every public works contract regardless of the size of the contract.

The Intent form is filed immediately after the contract is awarded and before work begins, if that is possible. The City **shall not** make any payments until Contractors have submitted an Intent form that has been approved by the Industrial Statistician.

The Affidavit form is not filed until after all the work is completed. The City **shall not** release final payment until all Contractors have submitted an Affidavit form that has been certified by the industrial statistician.

For additional information, contact:

State of Washington
Department of Labor and Industries
Prevailing Wage Section – Telephone 360-902-5335
PO Box 44540, Olympia, WA 98504-4540
Email: PW1@Lni.wa.gov

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

Washington State Prevailing Wage

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

Journey Level Prevailing Wage Rates for the Effective Date: 4/23/2026

King County

Trade	Job Classification	Wage	Holiday	Overtime	Note	Risk Class
Asbestos Abatement Workers	Journey Level	$67.39	**5D**	**1H**		**View**
Boilermakers	Journey Level	$78.89	**5N**	**1C**		**View**
Brick Mason	Journey Level	$76.07	**7E**	**1N**		**View**
Brick Mason	Pointer-Caulker-Cleaner	$76.07	**7E**	**1N**		**View**

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Building Service Employees	Janitor	$32.78	5S	2F		View
Building Service Employees	Traveling Waxer/Shampooer	$32.98	5S	2F		View
Building Service Employees	Window Cleaner (Non-Scaffold)	$35.58	5S	2F		View
Building Service Employees	Window Cleaner (Scaffold)	$36.58	5S	2F		View
Cabinet Makers (In Shop)	Journey Level	$22.74		1		View
Carpenters	Acoustical Worker	$83.21	15J	11U		View
Carpenters	Bridge Dock and Wharf Carpenter	$84.81	15J	11U	9L	View
Carpenters	Floor Layer & Floor Finisher	$83.21	15J	11U		View
Carpenters	General Carpenter	$83.21	15J	11U		View
Carpenters	Scaffold Erector	$83.21	15J	11U		View
Cement Masons	Application of all Composition Mastic	$81.87	15J	4U		View
Cement Masons	Application of all Epoxy Material	$81.36	15J	4U		View
Cement Masons	Application of all Plastic Material	$81.87	15J	4U		View

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Cement Masons	Application of Sealing Compound	$81.36	**15J**	**4U**	**View**
Cement Masons	Application of Underlayment	$81.87	**15J**	**4U**	**View**
Cement Masons	Building General	$81.36	**15J**	**4U**	**View**
Cement Masons	Composition or Kalman Floors	$81.87	**15J**	**4U**	**View**
Cement Masons	Concrete Paving	$81.36	**15J**	**4U**	**View**
Cement Masons	Curb & Gutter Machine	$81.87	**15J**	**4U**	**View**
Cement Masons	Curb & Gutter, Sidewalks	$81.36	**15J**	**4U**	**View**
Cement Masons	Curing Concrete	$81.36	**15J**	**4U**	**View**
Cement Masons	Finish Colored Concrete	$81.87	**15J**	**4U**	**View**
Cement Masons	Floor Grinding	$81.87	**15J**	**4U**	**View**
Cement Masons	Floor Grinding/Polisher	$81.36	**15J**	**4U**	**View**
Cement Masons	Green Concrete Saw, self-powered	$81.87	**15J**	**4U**	**View**
Cement Masons	Grouting of all Plates	$81.36	**15J**	**4U**	**View**

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Cement Masons	Grouting of all Tilt-up Panels	$81.36	**15J**	**4U**	**View**
Cement Masons	Gunite Nozzleman	$81.87	**15J**	**4U**	**View**
Cement Masons	Hand Powered Grinder	$81.87	**15J**	**4U**	**View**
Cement Masons	Journey Level	$81.36	**15J**	**4U**	**View**
Cement Masons	Patching Concrete	$81.36	**15J**	**4U**	**View**
Cement Masons	Pneumatic Power Tools	$81.87	**15J**	**4U**	**View**
Cement Masons	Power Chipping & Brushing	$81.87	**15J**	**4U**	**View**
Cement Masons	Sand Blasting Architectural Finish	$81.87	**15J**	**4U**	**View**
Cement Masons	Screed & Rodding Machine	$81.87	**15J**	**4U**	**View**
Cement Masons	Spackling or Skim Coat Concrete	$81.36	**15J**	**4U**	**View**
Cement Masons	Troweling Machine Operator	$81.87	**15J**	**4U**	**View**
Cement Masons	Troweling Machine Operator on Colored Slabs	$81.87	**15J**	**4U**	**View**

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Cement Masons	Tunnel Workers	$81.87	15J	4U		View
Divers & Tenders	Bell/Vehicle/Submersible Operator (not under pressure)	$144.72	15J	11T	9I	View
Divers & Tenders	Dive Supervisor	$146.22	15J	11T	9I	View
Divers & Tenders	Diver	$144.72	15J	11T	9I	View
Divers & Tenders	Diver Tender	$91.05	15J	11T	9I	View
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	$114.73	15J	11U		View
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 30.01-44.00 PSI	$124.28	15J	11U		View
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	$133.82	15J	11U		View
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	$143.37	15J	11U		View
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	$152.91	15J	11U		View

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Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	$162.46	**15J**	**11U**		**View**
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	$172.00	**15J**	**11U**		**View**
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 70.01 - 72.00 PSI	$181.55	**15J**	**11U**		**View**
Divers & Tenders	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	$191.09	**15J**	**11U**		**View**
Divers & Tenders	Lead Diver (Dive Master)	$105.51	**15J**	**11T**	**9I**	**View**
Divers & Tenders	Manifold Operator (Life Support Technician)	$96.05	**15J**	**11U**	**9I**	**View**
Divers & Tenders	Remote Operated Vehicle Operator/Technician	$91.05	**15J**	**11T**	**9I**	**View**
Divers & Tenders	Remote Operated Vehicle Operator/Technician	$91.05	**15J**	**11U**	**9I**	**View**
Divers & Tenders	Remote Operated Vehicle Tender	$84.75	**15J**	**11T**	**9I**	**View**
Divers & Tenders	Stand-by Diver	$100.51	**15J**	**11T**	**9I**	**View**

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Dredge Workers	Assistant Engineer	$89.47	5D	3F	View
Dredge Workers	Assistant Mate (Deckhand)	$88.78	5D	3F	View
Dredge Workers	Boatmen	$89.47	5D	3F	View
Dredge Workers	Engineer Welder	$91.20	5D	3F	View
Dredge Workers	Leverman, Hydraulic	$93.03	5D	3F	View
Dredge Workers	Mates	$89.47	5D	3F	View
Dredge Workers	Oiler	$88.78	5D	3F	View
Drywall Applicator	Journey Level	$81.71	15O	11S	View
Drywall Tapers	Journey Level	$81.71	15O	11S	View
Electrical Fixture Maintenance Workers	Journey Level	$42.69	5L	1E	View
Electricians - Inside	Cable Splicer	$119.89	7C	4E	View
Electricians - Inside	Cable Splicer (tunnel)	$128.61	7C	4E	View

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Electricians - Inside	Certified Welder	$115.92	7C	4E		View
Electricians - Inside	Certified Welder (tunnel)	$124.25	7C	4E		View
Electricians - Inside	Construction Stock Person	$56.78	7C	4E		View
Electricians - Inside	Journey Level	$111.96	7C	4E		View
Electricians - Inside	Journey Level (tunnel)	$119.89	7C	4E		View
Electricians - Motor Shop	Journey Level	$48.68	5A	1B		View
Electricians - Powerline Construction	Cable Splicer	$107.31	5A	4D		View
Electricians - Powerline Construction	Certified Line Welder	$98.45	5A	4D		View
Electricians - Powerline Construction	Groundperson	$61.75	5A	4D		View
Electricians - Powerline Construction	Heavy Line Equipment Operator	$98.45	5A	4D		View
Electricians - Powerline Construction	Journey Level Lineperson	$98.45	5A	4D		View
Electricians - Powerline Construction	Line Equipment Operator	$84.18	5A	4D		View
Electricians - Powerline Construction	Meter Installer	$61.75	5A	4D	8W	View

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Electricians - Powerline Construction	Pole Sprayer	$98.45	5A	4D		View
Electricians - Powerline Construction	Powderperson	$72.81	5A	4D		View
Electronic Technicians	Journey Level	$73.97	7E	1E		View
Elevator Constructors	Mechanic	$119.17	7D	4A		View
Elevator Constructors	Mechanic In Charge	$128.95	7D	4A		View
Fabricated Precast Concrete Products	All Classifications - In-Factory Work Only	$21.34	5B	1R		View
Fence Erectors	Fence Erector	$57.66	15J	11P	8Y	View
Fence Erectors	Fence Laborer	$57.66	15J	11P	8Y	View
Flaggers	Journey Level	$57.66	15J	11P	8Y	View
Glaziers	Journey Level	$85.16	7L	1Y		View
Heat & Frost Insulators And Asbestos Workers	Journey Level	$96.42	15H	11C		View
Heating Equipment Mechanics	Journey Level	$107.92	7F	1E		View

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Hod Carriers & Mason Tenders	Journey Level	$71.09	15J	11P	8Y	View
Industrial Power Vacuum Cleaner	Journey Level	$17.13		1		View
Inland Boatmen	Boat Operator	$71.28	5B	1K		View
Inland Boatmen	Cook	$69.70	5B	1K		View
Inland Boatmen	Deckhand	$70.00	5B	1K		View
Inland Boatmen	Deckhand Engineer	$69.55	5B	1K		View
Inland Boatmen	Launch Operator	$71.23	5B	1K		View
Inland Boatmen	Mate	$89.12	5B	1K		View
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Cleaner Operator	$54.56	15M	110		View
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Foamer Operator	$54.56	15M	110		View
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote	Grout Truck Operator	$54.56	15M	110		View

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Control						
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Head Operator	$52.40	**15M**	**11O**		**View**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	Technician	$45.97	**15M**	**11O**		**View**
Inspection/Cleaning/Sealing Of Sewer & Water Systems By Remote Control	TV Truck Operator	$49.20	**15M**	**11O**		**View**
Insulation Applicators	Journey Level	$83.21	**15J**	**11U**		**View**
Ironworkers	Journeyman	$94.82	**15K**	**11N**		**View**
Laborers	Air, Gas Or Electric Vibrating Screed	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	Airtrac Drill Operator	$69.37	**15J**	**11P**	**8Y**	**View**
Laborers	Ballast Regular Machine	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	Batch Weighman	$57.66	**15J**	**11P**	**8Y**	**View**

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Laborers	Brick Pavers	$67.39	15J	11P	8Y	View
Laborers	Brush Cutter	$67.39	15J	11P	8Y	View
Laborers	Brush Hog Feeder	$67.39	15J	11P	8Y	View
Laborers	Burner	$67.39	15J	11P	8Y	View
Laborers	Caisson Worker	$69.37	15J	11P	8Y	View
Laborers	Carpenter Tender	$67.39	15J	11P	8Y	View
Laborers	Cement Dumper-paving	$69.37	15J	11P	8Y	View
Laborers	Cement Finisher Tender	$67.39	15J	11P	8Y	View
Laborers	Change House Or Dry Shack	$67.39	15J	11P	8Y	View
Laborers	Chipping Gun (30 Lbs. And Over)	$68.56	15J	11P	8Y	View
Laborers	Chipping Gun (Under 30 Lbs.)	$67.39	15J	11P	8Y	View
Laborers	Choker Setter	$67.39	15J	11P	8Y	View
Laborers	Chuck Tender	$67.39	15J	11P	8Y	View

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Laborers	Clary Power Spreader	$68.56	15J	11P	8Y	View
Laborers	Clean-up Laborer	$67.39	15J	11P	8Y	View
Laborers	Concrete Dumper/Chute Operator	$69.37	15J	11P	8Y	View
Laborers	Concrete Form Stripper	$67.39	15J	11P	8Y	View
Laborers	Concrete Placement Crew	$69.37	15J	11P	8Y	View
Laborers	Concrete Saw Operator/Core Driller	$68.56	15J	11P	8Y	View
Laborers	Crusher Feeder	$57.66	15J	11P	8Y	View
Laborers	Curing Laborer	$67.39	15J	11P	8Y	View
Laborers	Demolition: Wrecking & Moving (Incl. Charred Material)	$67.39	15J	11P	8Y	View
Laborers	Ditch Digger	$67.39	15J	11P	8Y	View
Laborers	Diver	$69.37	15J	11P	8Y	View
Laborers	Drill Operator (Hydraulic, Diamond)	$68.56	15J	11P	8Y	View

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Laborers	Dry Stack Walls	$67.39	15J	11P	8Y	View
Laborers	Dump Person	$67.39	15J	11P	8Y	View
Laborers	Epoxy Technician	$67.39	15J	11P	8Y	View
Laborers	Erosion Control Worker	$67.39	15J	11P	8Y	View
Laborers	Faller & Bucker Chain Saw	$68.56	15J	11P	8Y	View
Laborers	Fine Graders	$67.39	15J	11P	8Y	View
Laborers	Firewatch	$57.66	15J	11P	8Y	View
Laborers	Form Setter	$69.37	15J	11P	8Y	View
Laborers	Gabian Basket Builders	$67.39	15J	11P	8Y	View
Laborers	General Laborer	$67.39	15J	11P	8Y	View
Laborers	Grade Checker & Transit Person	$71.09	15J	11P	8Y	View
Laborers	Grinders	$67.39	15J	11P	8Y	View
Laborers	Grout Machine Tender	$67.39	15J	11P	8Y	View

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Laborers	Groutmen (Pressure) Including Post Tension Beams	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Guardrail Erector	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	Hazardous Waste Worker (Level A)	$69.37	**15J**	**11P**	**8Y**	**View**
Laborers	Hazardous Waste Worker (Level B)	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Hazardous Waste Worker (Level C)	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	High Scaler	$69.37	**15J**	**11P**	**8Y**	**View**
Laborers	Jackhammer	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Laserbeam Operator	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Maintenance Person	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	Manhole Builder-Mudman	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Material Yard Person	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	Mold Abatement Worker	$67.39	**15J**	**11P**	**8Y**	**View**

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Laborers	Motorman-Dinky Locomotive	$71.19	**15J**	**11P**	**8Y**	**View**
Laborers	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	$71.09	**15J**	**11P**	**8Y**	**View**
Laborers	Pavement Breaker	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Pilot Car	$57.66	**15J**	**11P**	**8Y**	**View**
Laborers	Pipe Layer (Lead)	$71.09	**15J**	**11P**	**8Y**	**View**
Laborers	Pipe Layer/Tailor	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Pipe Pot Tender	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Pipe Reliner	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Pipe Wrapper	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Pot Tender	$67.39	**15J**	**11P**	**8Y**	**View**

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Laborers	Powderman	$69.37	15J	11P	8Y	View
Laborers	Powderman's Helper	$67.39	15J	11P	8Y	View
Laborers	Power Jacks	$68.56	15J	11P	8Y	View
Laborers	Power Washer	$67.39	15J	11P	8Y	View
Laborers	Railroad Spike Puller - Power	$68.56	15J	11P	8Y	View
Laborers	Raker - Asphalt	$71.09	15J	11P	8Y	View
Laborers	Re-timberman	$69.37	15J	11P	8Y	View
Laborers	Remote Equipment Operator	$68.56	15J	11P	8Y	View
Laborers	Rigger/Signal Person	$68.56	15J	11P	8Y	View
Laborers	Rip Rap Person	$67.39	15J	11P	8Y	View
Laborers	Rivet Buster	$68.56	15J	11P	8Y	View
Laborers	Rodder	$69.37	15J	11P	8Y	View
Laborers	Scaffold Erector	$67.39	15J	11P	8Y	View

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Laborers	Scale Person	$67.39	15J	11P	8Y	View
Laborers	Sloper (Over 20")	$68.56	15J	11P	8Y	View
Laborers	Sloper Sprayer	$67.39	15J	11P	8Y	View
Laborers	Spreader (Concrete)	$69.37	15J	11P	8Y	View
Laborers	Stake Hopper	$67.39	15J	11P	8Y	View
Laborers	Stock Piler	$67.39	15J	11P	8Y	View
Laborers	Swinging Stage/Boatswain Chair	$57.66	15J	11P	8Y	View
Laborers	Tamper & Similar Electric, Air & Gas Operated Tools	$68.56	15J	11P	8Y	View
Laborers	Tamper (Multiple & Self-propelled)	$68.56	15J	11P	8Y	View
Laborers	Timber Person - Sewer (Lagger, Shorer & Cribber)	$68.56	15J	11P	8Y	View
Laborers	Toolroom Person (at Jobsite)	$67.39	15J	11P	8Y	View
Laborers	Topper	$67.39	15J	11P	8Y	View

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Laborers	Track Laborer	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	Track Liner (Power)	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Traffic Control Laborer	$61.41	**15J**	**11P**	**9C**	**View**
Laborers	Traffic Control Supervisor	$64.86	**15J**	**11P**	**9C**	**View**
Laborers	Truck Mounted Attenuator	$61.41	**15J**	**11P**	**9C**	**View**
Laborers	Truck Spotter	$67.39	**15J**	**11P**	**8Y**	**View**
Laborers	Tugger Operator	$68.56	**15J**	**11P**	**8Y**	**View**
Laborers	Tunnel Work-Compressed Air Worker 0-30 psi	$225.32	**15J**	**11P**	**9B**	**View**
Laborers	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	$230.35	**15J**	**11P**	**9B**	**View**
Laborers	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	$234.03	**15J**	**11P**	**9B**	**View**
Laborers	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	$239.73	**15J**	**11P**	**9B**	**View**

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Laborers	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	$241.85	15J	11P	9B	View
Laborers	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	$246.95	15J	11P	9B	View
Laborers	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	$248.85	15J	11P	9B	View
Laborers	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	$250.85	15J	11P	9B	View
Laborers	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	$252.85	15J	11P	9B	View
Laborers	Tunnel Work-Guage and Lock Tender	$71.19	15J	11P	8Y	View
Laborers	Tunnel Work-Miner	$71.19	15J	11P	8Y	View
Laborers	Vibrator	$69.37	15J	11P	8Y	View
Laborers	Vinyl Seamer	$67.39	15J	11P	8Y	View
Laborers	Watchman	$52.73	15J	11P	8Y	View
Laborers	Welder	$68.56	15J	11P	8Y	View

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Laborers	Well Point Laborer	$68.56	15J	11P	8Y	View
Laborers	Window Washer/Cleaner	$52.73	15J	11P	8Y	View
Laborers - Underground Sewer & Water	General Laborer & Topman	$67.39	15J	11P	8Y	View
Laborers - Underground Sewer & Water	Pipe Layer	$68.56	15J	11P	8Y	View
Landscape Construction	Landscape Construction/Landscaping Or Planting Laborers	$52.73	15J	11P	8Y	View
Landscape Construction	Landscape Operator	$91.81	15J	11G	8X	View
Landscape Maintenance	Groundskeeper	$17.87		1		View
Lathers	Journey Level	$81.71	15O	11S		View
Marble Setters	Journey Level	$76.07	7E	1N		View
Metal Fabrication (In Shop)	Fitter/Certified Welder	$42.17	15I	11E		View
Metal Fabrication (In Shop)	General Laborer	$30.07	15I	11E		View

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Metal Fabrication (In Shop)	Mechanic	$43.63	15I	11E		View
Metal Fabrication (In Shop)	Welder/Burner	$39.28	15I	11E		View
Millwright	Journey Level	$84.44	5A	1B		View
Modular Buildings	Cabinet Assembly	$17.13		1		View
Modular Buildings	Electrician	$17.13		1		View
Modular Buildings	Equipment Maintenance	$17.13		1		View
Modular Buildings	Plumber	$17.13		1		View
Modular Buildings	Production Worker	$17.13		1		View
Modular Buildings	Tool Maintenance	$17.13		1		View
Modular Buildings	Utility Person	$17.13		1		View
Modular Buildings	Welder	$17.13		1		View
Painters	Journey Level	$57.46	6Z	11J		View
Pile Driver	Crew Tender	$80.50	15J	11U	9L	View

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Pile Driver	Journey Level	$84.81	15J	11U		View
Plasterers	Journey Level	$78.60	7Q	1R		View
Plasterers	Nozzleman	$82.70	7Q	1R		View
Playground & Park Equipment Installers	Journey Level	$17.13		1		View
Plumbers & Pipefitters	Journey Level	$111.59	6Z	1G		View
Power Equipment Operators	Asphalt Plant Operators	$93.36	15J	11G	8X	View
Power Equipment Operators	Assistant Engineer	$87.77	15J	11G	8X	View
Power Equipment Operators	Barrier Machine (zipper)	$92.52	15J	11G	8X	View
Power Equipment Operators	Batch Plant Operator: concrete	$92.52	15J	11G	8X	View
Power Equipment Operators	Boat Operator	$92.08	7A	11H	8X	View
Power Equipment Operators	Bobcat	$87.77	15J	11G	8X	View
Power Equipment Operators	Brokk - Remote Demolition Equipment	$87.77	15J	11G	8X	View

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Power Equipment Operators	Brooms	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Bump Cutter	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Cableways	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Chipper	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Compressor	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Concrete Finish Machine - Laser Screed	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Conveyors	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Cranes Friction: 200 tons and over	$94.85	**7A**	**11H**	**8X**	**View**

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Power Equipment Operators	Cranes, A-frame: 10 tons and under	$86.60	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$92.98	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Cranes: 20 tons through 44 tons with attachments	$91.25	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$93.95	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Cranes: 300 tons and over or 300' of boom including jib with attachments	$94.85	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$92.08	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Cranes: Friction cranes through 199 tons	$93.95	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Cranes: through 19 tons with attachments, a-frame over 10 tons	$90.55	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Crusher	$92.52	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators	Deck Engineer/Deck Winches (power)	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Derricks, On Building Work	$92.08	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Dozers D-9 & Under	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Drill Oilers: Auger Type, Truck Or Crane Mount	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Drilling Machine	$94.30	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Elevator and man-lift: permanent and shaft type	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Forklift: 3000 lbs and over with attachments	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Forklifts: under 3000 lbs. with attachments	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$92.52	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators	Gradechecker/Stakeman	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Guardrail Punch	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Hard Tail End Dump Articulating Off-Road Equipment 45 Yards. & Over	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Horizontal/Directional Drill Locator	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Horizontal/Directional Drill Operator	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Hydralifts/Boom Trucks Over 10 Tons	$90.55	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Hydralifts/boom trucks: 10 tons and under	$86.60	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Leverman	$95.28	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Loaders, Overhead Under 6 Yards	$92.52	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators	Loaders, Plant Feed	$92.52	15J	11G	8X	View
Power Equipment Operators	Loaders: Elevating Type Belt	$91.81	15J	11G	8X	View
Power Equipment Operators	Locomotives, All	$92.52	15J	11G	8X	View
Power Equipment Operators	Material Transfer Device	$92.52	15J	11G	8X	View
Power Equipment Operators	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$94.30	15J	11G	8X	View
Power Equipment Operators	Motor Patrol Graders	$93.36	15J	11G	8X	View
Power Equipment Operators	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$93.36	15J	11G	8X	View
Power Equipment Operators	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$87.77	15J	11G	8X	View
Power Equipment Operators	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$91.81	15J	11G	8X	View
Power Equipment Operators	Overhead, bridge type Crane: 20 tons through 44 tons	$91.25	7A	11H	8X	View
Power Equipment Operators	Overhead, bridge type: 100 tons and over	$92.98	7A	11H	8X	View

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Power Equipment Operators	Overhead, bridge type: 45 tons through 99 tons	$92.08	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Pavement Breaker	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Pile Driver (other Than Crane Mount)	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Plant Oiler - Asphalt, Crusher	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Posthole Digger, Mechanical	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Power Plant	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Pumps - Water	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Quad 9, Hd 41, D10 And Over	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Quick Tower: no cab, under 100 feet in height base to boom	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Remote Control Operator On Rubber Tired Earth Moving Equipment	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Rigger and Bellman	$86.60	**7A**	**11H**	**8X**	**View**

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Power Equipment Operators	Rigger/Signal Person, Bellman(Certified)	$90.55	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Rollagon	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Roller, Other Than Plant Mix	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Roller, Plant Mix Or Multi-lift Materials	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Roto-mill, Roto-grinder	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Saws - Concrete	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Scraper, Self Propelled Under 45 Yards	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Scrapers - Concrete & Carry All	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Scrapers, Self-propelled: 45 Yards And Over	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Service Engineers: Equipment	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Shotcrete/Gunite Equipment	$87.77	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$94.30	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$95.28	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Slipform Pavers	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Spreader, Topsider & Screedman	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Subgrader Trimmer	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Tower Bucket Elevators	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Tower Crane: over 175' through 250' in height, base to boom	$93.95	**7A**	**11H**	**8X**	**View**

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Power Equipment Operators	Tower crane: up to 175' in height base to boom	$92.98	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Tower Cranes: over 250' in height from base to boom	$94.85	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Transporters, All Track Or Truck Type	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Trenching Machines	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Truck Crane Oiler/Driver: 100 tons and over	$91.25	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Truck crane oiler/driver: under 100 tons	$90.55	**7A**	**11H**	**8X**	**View**
Power Equipment Operators	Truck Mount Portable Conveyor	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Vac Truck (Vactor Guzzler, Hydro Excavator)	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Welder	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Wheel Tractors, Farmall Type	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators	Yo Yo Pay Dozer	$92.52	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Asphalt Plant Operators	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Assistant Engineer	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Barrier Machine (zipper)	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Batch Plant Operator, Concrete	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Boat Operator	$92.08	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Bobcat	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Brokk - Remote Demolition Equipment	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Brooms	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Bump Cutter	$92.52	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Cableways	$93.36	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Chipper	$92.52	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Compressor	$87.77	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Concrete Finish Machine - Laser Screed	$87.77	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	$91.81	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Over 42 M	$93.36	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	$92.52	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Conveyors	$91.81	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Cranes Friction: 200 tons and over	$94.85	7A	11H	8X	View

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Power Equipment Operators-Underground Sewer & Water	Cranes, A-frame: 10 tons and under	$86.60	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	$92.98	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Cranes: 20 tons through 44 tons with attachments	$91.25	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	$93.95	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Cranes: 300 tons and over or 300' of boom including jib with attachments	$94.85	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	$92.08	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Cranes: Friction cranes through 199 tons	$93.95	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Cranes: through 19 tons with attachments, a-frame over 10 tons	$90.55	**7A**	**11H**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Crusher	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Deck Engineer/Deck Winches (power)	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Derricks, On Building Work	$92.08	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Dozers D-9 & Under	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Drill Oilers: Auger Type, Truck Or Crane Mount	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Drilling Machine	$94.30	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Elevator and man-lift: permanent and shaft type	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Finishing Machine, Bidwell And Gamaco & Similar Equipment	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Forklift: 3000 lbs and over with attachments	$91.81	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Forklifts: under 3000 lbs. with attachments	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Grade Engineer: Using Blue Prints, Cut Sheets, Etc	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Gradechecker/Stakeman	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Guardrail Punch	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-Road Equipment 45 Yards. & Over	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Locator	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Horizontal/Directional Drill Operator	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: 10 tons and under	$86.60	**7A**	**11H**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Hydralifts/boom trucks: over 10 tons	$90.55	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Leverman	$95.28	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Loader, Overhead, 6 Yards. But Not Including 8 Yards	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Loaders, Overhead Under 6 Yards	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Loaders, Plant Feed	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Loaders: Elevating Type Belt	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Locomotives, All	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Material Transfer Device	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Mechanics: All (Leadmen - $0.50 per hour over mechanic)	$94.30	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Motor Patrol Graders	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Oil Distributors, Blower Distribution & Mulch Seeding Operator	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Outside Hoists (Elevators and Manlifts), Air Tuggers, Strato	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type Crane: 20 tons through 44 tons	$91.25	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 100 tons and over	$92.98	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Overhead, bridge type: 45 tons through 99 tons	$92.08	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Pavement Breaker	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Pile Driver (other Than Crane Mount)	$92.52	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Plant Oiler - Asphalt, Crusher	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Posthole Digger, Mechanical	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Power Plant	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Pumps - Water	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Quad 9, Hd 41, D10 And Over	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Quick Tower: no cab, under 100 feet in height base to boom	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Remote Control Operator On Rubber Tired Earth Moving Equipment	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Rigger and Bellman	$86.60	**7A**	**11H**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Rigger/Signal Person, Bellman(Certified)	$90.55	**7A**	**11H**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Rollagon	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Roller, Other Than Plant Mix	$87.77	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Roller, Plant Mix Or Multi-lift Materials	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Roto-mill, Roto-grinder	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Saws - Concrete	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Scraper, Self Propelled Under 45 Yards	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Scrapers - Concrete & Carry All	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Scrapers, Self-propelled: 45 Yards And Over	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Shotcrete/Gunite Equipment	$87.77	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	$91.81	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	$94.30	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Shovel, Excavator, Backhoes: Over 90 Metric Tons	$95.28	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Slipform Pavers	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Spreader, Topsider & Screedman	$93.36	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Subgrader Trimmer	$92.52	**15J**	**11G**	**8X**	**View**
Power Equipment Operators-Underground Sewer & Water	Tower Bucket Elevators	$91.81	**15J**	**11G**	**8X**	**View**

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Power Equipment Operators-Underground Sewer & Water	Tower Crane: over 175' through 250' in height, base to boom	$93.95	7A	11H	8X	View
Power Equipment Operators-Underground Sewer & Water	Tower crane: up to 175' in height base to boom	$92.98	7A	11H	8X	View
Power Equipment Operators-Underground Sewer & Water	Tower Cranes: over 250' in height from base to boom	$94.85	7A	11H	8X	View
Power Equipment Operators-Underground Sewer & Water	Transporters, All Track Or Truck Type	$93.36	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Trenching Machines	$91.81	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Truck Crane Oiler/Driver: 100 tons and over	$91.25	7A	11H	8X	View
Power Equipment Operators-Underground Sewer & Water	Truck crane oiler/driver: under 100 tons	$90.55	7A	11H	8X	View
Power Equipment Operators-Underground Sewer & Water	Truck Mount Portable Conveyor	$92.52	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Vac Truck (Vactor Guzzler, Hydro Excavator)	$92.52	15J	11G	8X	View

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Power Equipment Operators-Underground Sewer & Water	Welder	$93.36	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Wheel Tractors, Farmall Type	$87.77	15J	11G	8X	View
Power Equipment Operators-Underground Sewer & Water	Yo Yo Pay Dozer	$92.52	15J	11G	8X	View
Power Line Clearance Tree Trimmers	Journey Level In Charge	$69.62	5A	4A		View
Power Line Clearance Tree Trimmers	Spray Person	$65.89	5A	4A		View
Power Line Clearance Tree Trimmers	Tree Equipment Operator	$69.62	5A	4A		View
Power Line Clearance Tree Trimmers	Tree Trimmer	$62.19	5A	4A		View
Power Line Clearance Tree Trimmers	Tree Trimmer Groundperson	$45.93	5A	4A		View
Refrigeration & Air Conditioning Mechanics	Journey Level	$104.91	6Z	1G		View
Residential Brick Mason	Journey Level	$76.07	7E	1N		View
Residential Carpenters	Journey Level	$65.88		1		View

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Residential Cement Masons	Journey Level	$46.64		1	View
Residential Drywall Applicators	Journey Level	$78.76	15J	4C	View
Residential Drywall Tapers	Journey Level	$81.71	15O	11S	View
Residential Electricians	Journey Level	$48.80		1	View
Residential Glaziers	Journey Level	$38.70		1	View
Residential Insulation Applicators	Journey Level	$70.54		1	View
Residential Laborers	Journey Level	$29.73		1	View
Residential Marble Setters	Journey Level	$27.38		1	View
Residential Painters	Journey Level	$33.77		1	View
Residential Plumbers & Pipefitters	Journey Level	$61.87		1	View
Residential Refrigeration & Air Conditioning Mechanics	Journey Level	$107.92	7F	1E	View
Residential Sheet Metal Workers	Journey Level	$107.92	7F	1E	View

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Residential Soft Floor Layers	Journey Level	$49.91	15J	4C	View
Residential Sprinkler Fitters (Fire Protection)	Journey Level	$63.61		1	View
Residential Stone Masons	Journey Level	$76.07	7E	1N	View
Residential Terrazzo Workers	Journey Level	$70.61	7E	1N	View
Residential Terrazzo/Tile Finishers	Journey Level	$24.39		1	View
Residential Tile Setters	Journey Level	$21.04		1	View
Roofers	Journey Level	$70.70	5A	3H	View
Roofers	Using Irritable Bituminous Materials	$74.15	5A	3H	View
Sheet Metal Workers	Journey Level (Field or Shop)	$107.92	7F	1E	View
Shipbuilding & Ship Repair	New Construction Boilermaker	$61.07	7X	4J	View
Shipbuilding & Ship Repair	New Construction Carpenter	$51.85	7X	4J	View
Shipbuilding & Ship Repair	New Construction Crane Operator	$44.29	7V	1	View

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Shipbuilding & Ship Repair	New Construction Electrician	$61.12	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Heat & Frost Insulator	$96.42	**15H**	**11C**	**View**
Shipbuilding & Ship Repair	New Construction Laborer	$60.73	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Machinist	$60.93	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Operating Engineer	$44.29	**7V**	**1**	**View**
Shipbuilding & Ship Repair	New Construction Painter	$60.93	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Pipefitter	$61.21	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Rigger	$61.07	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Sheet Metal	$60.94	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Shipwright	$51.85	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	New Construction Warehouse/Teamster	$44.29	**7V**	**1**	**View**
Shipbuilding & Ship Repair	New Construction Welder / Burner	$61.07	**7X**	**4J**	**View**

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Shipbuilding & Ship Repair	Ship Repair Boilermaker	$61.07	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Carpenter	$51.85	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Crane Operator	$45.06	**7Y**	**4K**	**View**
Shipbuilding & Ship Repair	Ship Repair Electrician	$61.12	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Heat & Frost Insulator	$96.42	**15H**	**11C**	**View**
Shipbuilding & Ship Repair	Ship Repair Laborer	$60.73	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Machinist	$60.93	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Operating Engineer	$45.06	**7Y**	**4K**	**View**
Shipbuilding & Ship Repair	Ship Repair Painter	$60.93	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Pipefitter	$61.21	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Rigger	$61.07	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Sheet Metal	$60.94	**7X**	**4J**	**View**
Shipbuilding & Ship Repair	Ship Repair Shipwright	$51.85	**7X**	**4J**	**View**

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Shipbuilding & Ship Repair	Ship Repair Warehouse / Teamster	$45.06	**7Y**	**4K**		**View**
Sign Makers & Installers (Electrical)	Journey Level	$60.46	**0**	**1**		**View**
Sign Makers & Installers (Non-Electrical)	Journey Level	$38.53	**0**	**1**		**View**
Soft Floor Layers	Journey Level	$63.29	**15J**	**4C**		**View**
Solar Controls For Windows	Journey Level	$17.13		**1**		**View**
Sprinkler Fitters (Fire Protection)	Journey Level	$104.44	**5C**	**1X**		**View**
Stage Rigging Mechanics (Non Structural)	Journey Level	$17.13		**1**		**View**
Stone Masons	Journey Level	$76.07	**7E**	**1N**		**View**
Street And Parking Lot Sweeper Workers	Journey Level	$19.09		**1**		**View**
Surveyors	Assistant Construction Site Surveyor	$90.55	**7A**	**11H**	**8X**	**View**
Surveyors	Chainman	$86.60	**7A**	**11H**	**8X**	**View**
Surveyors	Construction Site Surveyor	$92.08	**7A**	**11H**	**8X**	**View**

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Surveyors	Drone Operator (when used in conjunction with survey work only)	$86.60	7A	11H	8X	View
Surveyors	Ground Penetrating Radar Operator	$86.60	7A	11H	8X	View
Telecommunication Technicians	Journey Level	$73.97	7E	1E		View
Telephone Line Construction - Outside	Cable Splicer	$42.62	5A	2B		View
Telephone Line Construction - Outside	Hole Digger/Ground Person	$27.97	5A	2B		View
Telephone Line Construction - Outside	Telephone Equipment Operator (Light)	$35.60	5A	2B		View
Telephone Line Construction - Outside	Telephone Lineperson	$40.28	5A	2B		View
Terrazzo Workers	Journey Level	$70.61	7E	1N		View
Tile Setters	Journey Level	$68.61	7E	1N		View
Tile, Marble & Terrazzo Finishers	Finisher	$59.44	7E	1N		View
Traffic Control Stripers	All cleanup required in connection with traffic control stripers work	$95.41	15L	1K		View

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	(Group 1)				
Traffic Control Stripers	Handling, painting and installing of all car stops, stop signs and any other type sign (Group 2)	$62.69	**15L**	**1K**	**View**
Traffic Control Stripers	Installation of guard rail and posts and similar protective devices (Group 2)	$62.69	**15L**	**1K**	**View**
Traffic Control Stripers	Installation of parking gates, ticket spitters and other mechanical and automatic control devices (Group 2)	$62.69	**15L**	**1K**	**View**
Traffic Control Stripers	Installation of plastic metal or composition button, or lines used instead of paint (Group 1)	$95.41	**15L**	**1K**	**View**
Traffic Control Stripers	Line removal; chemical sand and hydro-blast, paint and button (Group 1)	$95.41	**15L**	**1K**	**View**
Traffic Control Stripers	Manufacturing and installation of all car stops and control devices and similar traffic regulators (Group 2)	$62.69	**15L**	**1K**	**View**

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Traffic Control Stripers	Manufacturing, painting, stenciling, servicing, repairing, placing and removal of traffic safety and control devices/barricades (Group 2)	$62.69	**15L**	**1K**		**View**
Traffic Control Stripers	Painting and installing lines, arrows, bumpers, curbs, etc., on parking lots, air fields, highways, game courts (Group 1)	$95.41	**15L**	**1K**		**View**
Traffic Control Stripers	Preparation and maintenance of all surfaces (Group 1)	$95.41	**15L**	**1K**		**View**
Traffic Control Stripers	Seal coating, slurry coating and other surface protection (Group 2)	$62.69	**15L**	**1K**		**View**
Truck Drivers	Asphalt Mix Over 16 Yards	$82.95	**15J**	**11M**	**8L**	**View**
Truck Drivers	Asphalt Mix To 16 Yards	$82.11	**15J**	**11M**	**8L**	**View**
Truck Drivers	Dump Truck	$82.11	**15J**	**11M**	**8L**	**View**
Truck Drivers	Dump Truck & Trailer	$82.95	**15J**	**11M**	**8L**	**View**
Truck Drivers	Other Trucks	$82.95	**15J**	**11M**	**8L**	**View**

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Truck Drivers - Ready Mix	Transit Mix	$82.95	**15J**	**11M**	**8L**	**View**
Well Drillers & Irrigation Pump Installers	Irrigation Pump Installer	$17.71		**1**		**View**
Well Drillers & Irrigation Pump Installers	Oiler	$17.13		**1**		**View**
Well Drillers & Irrigation Pump Installers	Well Driller	$18.00		**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.

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Overtime Codes Continued

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

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

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

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

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

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

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

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.

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Overtime Codes Continued

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

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

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

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

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

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

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

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

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

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

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

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

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Overtime Codes Continued

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

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

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

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

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

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

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

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

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

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

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

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Overtime Codes Continued

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

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

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

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

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

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

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

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Overtime Codes Continued

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

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

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

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

Overtime Codes Continued

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

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

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

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

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

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

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

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Overtime Codes Continued

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

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

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

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

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

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

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

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

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

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

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

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Overtime Codes Continued

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

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

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

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

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

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

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

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Overtime Codes Continued

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

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

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

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

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

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

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

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

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

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

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

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Overtime Codes Continued

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

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

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

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

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

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

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

V. 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.

W. 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 6 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 on Sundays and Holidays 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.

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Holiday Codes

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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Holiday Codes Continued

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

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

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

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

Holiday Codes Continued

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

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

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

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

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

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

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Holiday Codes Continued

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

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

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

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

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.

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Holiday Codes Continued

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

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

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

Holiday Codes Continued

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

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

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

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

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

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

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

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Holiday Codes Continued

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

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

P. Holidays: New Year's Day, Memorial Day, Labor Day, Independence Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve 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.

Note Codes

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

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

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

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

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

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

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

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Note Codes Continued

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

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

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

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

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

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

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

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

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

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

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Note Codes Continued

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

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

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

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

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

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

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

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

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

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

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

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Note Codes Continued

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

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

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

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

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

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

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

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

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

M. Certified Crane Operator Premium: Crane operators requiring certifications shall be paid $1.50 per hour above their classification rate.

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 6 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.)

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APPENDIX C:
TELEPHONE NUMBERS

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FRANCHISE UTILITY AND TELECOM CONTACTS
LAST UPDATED 10/2025

Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
AT&T						
		SWF/WCF Lease Payments	Cara Lehman	Property Manager	425-898-3396	Cl361f@att.com
		SWF	Zack Hammond	Lead Real Estate and Construction	425-971-8821	ZH096X@att.com
			Chris Reynolds			cr3432@att.com
			Greg Dodier			gd8554@att.com
			David Warwick		925-699-8583	DW989v@att.com
			Tyrell Fincher		206-387-6347	Tf408s@att.com
			Byron Jamagin		503-826-6070	Bj4467@att.com
			Greg Roberts		206-496-7973	Gr255y@att.com
	AT&T Metro		Bobby Akhter	Professional – Tech Project Mgmt	630-390-0089	Ba3817@att.com
	AT&T Mobility/Cingular Wireless LLC		Gary Toporke	Field Operations Manager	253-680-2403	Gt1917@att.com
	AT&T Mobility/Cingular		Bill LaCount	Manager, Operations	360-395-5425	Wl4293@att.com
	AT&T Mobility/Cingular Wireless LLC		Wayne Wooten	Director-C&E West	503-691-4991 503-593-4668 (cell)	Wayne.wooten@att.com
	Engineering Consultants - Siena Group		Louie Van Hollebeke		425-896-9850	louie.vanhollebeke@sienaengineeringgroup.com
	AT&T Long Distance		Steve Duppenthaler	Sr. Tech. Network Services	425-286-3822	sd1891@att.com

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FRANCHISE UTILITY AND TELECOM CONTACTS
LAST UPDATED 10/2025

Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
Boldyn Networks (formerly MOBILITE - RUA expired cannot do work in Bellevue's ROW)						
			Sean Lacey	Director, Contracts, US	312-859-2596	Sean.lacey@boldyn.com
			Justin Blackwell	Government Relations	657-261-3872	JBlackwell@mobilitie.com
BP - Olympic Pipeline						
			Tim Fehr SR/WA	Third Party Contract Right of Way Supervisor	312-809-4719	Timothy.fehr@bp.com
		Franchise Agreement	Chase Wakefield	Right of Way Agent	360-967-9461 Teams 425-370-9925 Mobile	Chase.wakefield@bp.com
Comcast						
		General Comcast Issues	Sean Hensley	Permitting Manager		Sean_Hensley@comcast.com
		ROW Permitting	Julissa Davalos	Permitting Coordinator		Julissa_Davalos@comcast.com
		ROW Permitting	Jennifer Galicia	Permitting Supervisor		Jennifer_Galicia@cable.comcast.com
		Construction	DJ Page	Engineering/Construction – 98006 & 98007	253-736-4073	Donald_Page@comcast.com
		Construction	Daniel Laroche	Engineering/Construction Coordinator (east of I-405 and south of I-90) - 98005	253-864-4395	Daniel_Laroche@cable.comcast.com
	ITG	General email for JUTs				permits@i-t-g.net
	ITG	Single Family JUT	Al Jonhson	Construction Supervisor	720-760-4258	Albert.johnson@itgcomm.com
		Single Family JUT	Michael Murphy			Michael_murphy@comcast.com
		Single Family JUT – Send PSE Plans	Caitlin Ovenell			caitlin@advancedconceptsllc.com
		Single Family JUT – residential drop	Steve Loth			Steve_Loth@comcast.com

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Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
		Single Family JUT – residential drop	Ryan Bruce			Ryan_Bruce@comcast.com
	C - XNet		Russ Carver	Construction Manager XNet		russ_carver@comcast.com
			Randal Schreur			Randal_Schreur@comcast.com
			Chris Combs	Construction Specialist	425-273-7832	Chris_combs@cable.comcast.com
			Bianca Crawford	Engineering/Construction Coordinator	253-303-2723	bianca_crawford@cable.comcast.com
		Franchise Agreement	Terry Davis	Senior Director, External-Government Affairs	253-261-1586	Terry_Davis@comcast.com
			Ethan Cole	Network Project Manager	253-999-2981	Ethan_cole@comcast.com
Coal Creek Utility District						
			Patrick Martin	Technician	206-255-1961	Patrick@ccud.org
Crown Castle						
			Matthew Doran	District Manager - PNW	480-746-4493	Matthew.Doran@crowncastle.com
			Megan LaMon	Manager Utilities and Permitting - PNW	443-207-6212	Megan.LaMon@crowncastle.com
			Amanda Nations	Supervising Utilities and Permitting - PNW		Amanda.nations@crowncastle.com
			Kathy Putt	Government Relations Manager	425-236-5677	Kathy.Putt@crowncastle.com
			Wes Jones	Director Permitting and Utilities		Wesley.Jones@crowncastle.com
			Frank Gomez	Manager Network Construction	253-302-9678	Frank.Gomez@crowncastle.com
Lumen						

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FRANCHISE UTILITY AND TELECOM CONTACTS
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Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
		General Lumen Issues	Sam Maloney	Local Permitting Manager	206-455-3020	Samuel.maloney@lumen.com
		Permitting	Nathan Macleod	SR Networking Implementation Program Manager	253-583-6283	Nathan.macleod@lumen.com
		Single Family JUT	Paula Elsaeed	Network Implementation Engineer	253-458-6583	Paula.Elsaeed@lumen.com
		Single family JUT	Levi Stockdale		206-806-7259	Levi.Stockdale@lumen.com
		Construction/field issues	Skip Moody			Skip.moody@lumen.com
		Construction/field issues	Gene Reed			Geno.reed@lumen.com
		Construction/field issues	John Schlueter			John.Schlueter@lumen.com
			Joy Eakins	Network Implementation Engineer I – WA State Permitting	253-458-6566	Joy.eakins@lumen.com
			Alec Haggerty			Alec.haggerty@lumen.com
			Joe Thomas	Maint, Eng and Construction Division	206-580-2961	Joseph.Thomas@lumen.com
		Pole transfers	Audrey Johnson	Construction Project Administrator	208-207-2308	Audrey.johnson@lumen.com
		General email for pole transfers				Fpt.washington@lumen.com
			David Kludsikofsky	Sr MGR Local Network Implementation	Cell: 253-273-6962 Office: 206-806-7284	David.Kludsikofsky@lumen.com
			Emily Starkel	Wire Center Engineer	253-458-6602	Emily.starkel@lumen.com
			Suzi Ronalds	FTTB Engineer	206-678-6678	Suzi.Ronalds1@lumen.com
			Edd Saggus	Wire Center Engineer	720-936-9259	ESaggus@truenetcommunications.com

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Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
			Christian Doherty	OSP Network Engineer 1/ Permit Manger Bellevue	253-223-908	Christian.doherty@lumen.com
	Level 3 Communications. LLC		Kavyan Fassnacht	Engineer	425-213-9378	Kayvan.fassnacht@lumen.com
	OnFiber Carrier Services Inc.		Bill Bodin	Engineer	916-765-2074	
	Qwest Broadband Services Inc.		Suzi Ronalds	Engineer Fiber to the Business	206-678-6678	Suzi.ronalds1@lumen.com
	Level 3 Communications. LLC		Krishna Mitchell		720-387-3342	KRISHNA.MITCHELL@LEVEL3.CO
	OnFiber Carrier Services Inc.		Bill Bodin	Engineer	916-765-2074	
Puget Sound Energy						
		General PSE Issues	Justin McConachie	Municipal Liaison Manager	206-517-3432 (o) 206-518-1452 (c)	Justin.McConachie@pse.com
		Permitting – both gas and electric	Jeremy Eusebio	Senior Permit Specialist	425-531-5946	Jeremy.Eusebio@pse.com
		General email for JUT notification				Permits.central@pse.com
		Construction/Field Issues	Matias Narvaja			Matias.Narvaja@pse.com
		Pole Transfers	Allan Wells			Allan.Wells@pse.com
			Courtney Persson	Project Manager PSE Veg Management	206-536-0243	Courtney.Persson@pse.com
Seattle Public Utilities						
			Mike Freeman	Transmission Crew Chief Water Operations and System Maintenance	D: 206-684-8117 C: 206-348-	Michael.Freeman@seattle.gov

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Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
				Water Line of Business	0845	
Sound Transit						
			Emergency Line for Light Rail		206-205-8177	
T-Mobile						
		General T-Mobile Issues	Matt Russo	Site Development Manager	408-314-1398	Matt.Russo4@T-Mobile.com
		General email for WCF site inquiries – include site # in subject line			1-877-373-0093	Propertymanagement@tmobile.com
	Extenet	SWF	Pedro Rosenkvist	Market Director, Outside Plant	608-417-0278	jan.rosenkvist@extenetsystems.com
	Extenet	SWF construction	Matthew Smith	Project Manager for Construction	253-592-1299	matthew.smith@extenetsystems.com
Verizon						
	Verizon Wireless	SWF billing, permitting, construction	Mitzi Bodine	Sr Engr Spec Ntwk Reg/RE PNW Engineering	503-201-9380	Melissa.bodine@verizonwireless.com
	Verizon Wireless	SWF construction	Anthony Accetturo	Sr Construction Engineer PNW Network Engineering	206-430-0143	Anthony.accetturo@verizonwireless.com
	Verizon Wireless		Dennis Frederick	Senior Manager	425-505-3058	dennis.frederick@verizonwireless.com
	Verizon Wireless		Bryan Adams	Senior Manager for Regulatory and Real Estate	206-715-6499	Bryan.adams@verizonwireless.com
	Verizon Business	Verizon Fiber – construction/field issues	Kenny Terhune	Engr III Spec - Outside Plant Fiber Access Engineering	425-301-8658	kenneth.terhune@verizon.com
	Verizon Business		Scott Christenson	Maintenance and Relocation Sr Engineer	425-471-1079	Scott.christenson@verizon.com
Wave Holdco (includes Astound Broadband LLC services)						

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Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
	Astound Business Solutions		Lydia Kinsella	Strategic Account Executive-GEMS	425-471-9821	Lydia.Kinsella@astound.com
	Astound Business Solutions		Tim West	Director of Sales, GEMS	425-429-4635	Tim.west@astound.com
			Michael Robinson	Director of Sales Engineering	425-896-1869 (o) 206-437-0763 (c)	mrobinson@wavebroadband.com
			Michael Miller		425-223-0153	mimiller@wavebroadband.com
			David von Moritz	Staff Counsel	425-896-1868 (o) 425-576-8221 (c)	dvonmoritz@wavebroadband.com
			Jim Penney	General Counsel	425-896-1891 (o) 206-972-6943 (c)	jpenney@wavebroadband.com
Zayo						
		General Zayo Issues	Scott Morrison	Director, Regional OSP Operations	206-596-7988 (o) 253-441-0653 (c)	Scott.morrison@zayo.com
			Frederick Luco	OSP Project Manager	253-686-3896	Fredrick.luco@zayo.com
			Scott Hearn		253-579-5916	Scott.hearn@zayo.com
			Elliot Coons			Elliot.coons@zayo.com
Ziply (formerly Frontier Communications services for the area)						
		General distribution email				WASouth.Engineering@ziply.com
			David Collins	Manager – OSP Engineering	425-389-3211	David.collins@ziply.com

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FRANCHISE UTILITY AND TELECOM CONTACTS
LAST UPDATED 10/2025

Company	Subsidiary/ Subcontractor	Issue/Area of Expertise	Name	Title	Phone	Email
			Peter Calo	Sr OSP Engineering Manager	971-416-6631	Peter.calo@ziply.com
			Michael Hall	Senior Construction Technician – Lead	425-359-0752	Michael.hall@ziply.com
		Single family JUT	Cheryl Schneider	Sr Network Exchange Engineer	509-820-1262	Cheryl.schneider@ziply.com
			Jerry Rush	Fiber expansion team	463-969-9073	Jerry.rush@ziply.com
			Rob Larson	VP of Planning		Robert.larson@ziply.com

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APPENDIX D:
PERMITS

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US Army Corps of Engineers ®
Seattle District

NATIONWIDE PERMIT 42
Terms and Conditions

2021 NWPs - Final 16; Effective Date: March 15, 2021
Revised April 7, 2022, amended with RGCs 10-14 June 28, 2024

A. Description of Authorized Activities
B. U.S. Army Corps of Engineers (Corps) National General Conditions for All Final 16 NWPs
C. Seattle District Regional General Conditions
D. Seattle District Regional Specific Conditions for this Nationwide Permit (NWP)
E. 401 Water Quality Certification (401 WQC)
F. Coastal Zone Management Consistency Response for this NWP

In addition to any special condition that may be required on a case-by-case basis by the District Engineer, the following terms and conditions must be met, as applicable, for a Nationwide Permit (NWP) authorization to be valid in Washington State.

A. DESCRIPTION OF AUTHORIZED ACTIVITIES

42. Recreational Facilities.
Discharges of dredged or fill material into non-tidal waters of the United States for the construction or expansion of recreational facilities. Examples of recreational facilities that may be authorized by this NWP include playing fields (e.g., football fields, baseball fields), basketball courts, tennis courts, hiking trails, bike paths, golf courses, ski areas, horse paths, nature centers, and campgrounds (excluding recreational vehicle parks). This NWP also authorizes the construction or expansion of small support facilities, such as maintenance and storage buildings and stables that are directly related to the recreational activity, but it does not authorize the construction of hotels, restaurants, racetracks, stadiums, arenas, or similar facilities.

The discharge must not cause the loss of greater than 1/2-acre of non-tidal waters of the United States. This NWP does not authorize discharges of dredged or fill material into non-tidal wetlands adjacent to tidal waters.

Notification: The permittee must submit a pre-construction notification to the district engineer prior to commencing the activity. (See general condition 32.) (Authority: Section 404)

B. CORPS NATIONAL GENERAL CONDITIONS FOR ALL 2021 NWPs - FINAL 16

Note: To qualify for NWP authorization, the prospective permittee must comply with the following general conditions, as applicable, in addition to any regional or case-specific conditions imposed by the division engineer or district engineer. Prospective permittees should contact the appropriate Corps district office to determine if regional conditions have been imposed on an NWP. Prospective permittees should also contact the appropriate Corps district office to determine the status of Clean Water Act Section 401 water quality certification and/or Coastal Zone Management Act consistency for an NWP. Every person who may wish to obtain permit authorization under one or more NWPs, or who is currently relying on an existing or prior permit authorization under one or more NWPs, has been and is on notice that all of the provisions of 33 CFR 330.1 through 330.6 apply to every NWP authorization. Note especially 33 CFR 330.5 relating to the modification, suspension, or revocation of any NWP authorization.

1. Navigation. (a) No activity may cause more than a minimal adverse effect on navigation.

(b) Any safety lights and signals prescribed by the U.S. Coast Guard, through regulations or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States.

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(c) The permittee understands and agrees that, if future operations by the United States require the removal, relocation, or other alteration, of the structure or work herein authorized, or if, in the opinion of the Secretary of the Army or his or her authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps of Engineers, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

2. Aquatic Life Movements. No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless culvert cannot be used, then the crossing should be designed and constructed to minimize adverse effects to aquatic life movements.

3. Spawning Areas. Activities in spawning areas during spawning seasons must be avoided to the maximum extent practicable. Activities that result in the physical destruction (e.g., through excavation, fill, or downstream smothering by substantial turbidity) of an important spawning area are not authorized.

4. Migratory Bird Breeding Areas. Activities in waters of the United States that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable.

5. Shellfish Beds. No activity may occur in areas of concentrated shellfish populations, unless the activity is directly related to a shellfish harvesting activity authorized by NWPs 4 and 48, or is a shellfish seeding or habitat restoration activity authorized by NWP 27.

6. Suitable Material. No activity may use unsuitable material (e.g., trash, debris, car bodies, asphalt, etc.). Material used for construction or discharged must be free from toxic pollutants in toxic amounts (see section 307 of the Clean Water Act).

7. Water Supply Intakes. No activity may occur in the proximity of a public water supply intake, except where the activity is for the repair or improvement of public water supply intake structures or adjacent bank stabilization.

8. Adverse Effects From Impoundments. If the activity creates an impoundment of water, adverse effects to the aquatic system due to accelerating the passage of water, and/or restricting its flow must be minimized to the maximum extent practicable.

9. Management of Water Flows. To the maximum extent practicable, the pre-construction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows, unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity, and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Fills Within 100-Year Floodplains. The activity must comply with applicable FEMA-approved state or local floodplain management requirements.

11. Equipment. Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.

12. Soil Erosion and Sediment Controls. Appropriate soil erosion and sediment controls must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at

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the earliest practicable date. Permittees are encouraged to perform work within waters of the United States during periods of low-flow or no-flow, or during low tides.

13. Removal of Temporary Structures and Fills. Temporary structures must be removed, to the maximum extent practicable, after their use has been discontinued. Temporary fills must be removed in their entirety and the affected areas returned to pre-construction elevations. The affected areas must be revegetated, as appropriate.

14. Proper Maintenance. Any authorized structure or fill shall be properly maintained, including maintenance to ensure public safety and compliance with applicable NWP general conditions, as well as any activity-specific conditions added by the district engineer to an NWP authorization.

15. Single and Complete Project. The activity must be a single and complete project. The same NWP cannot be used more than once for the same single and complete project.

16. Wild and Scenic Rivers. (a) No NWP activity may occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, unless the appropriate Federal agency with direct management responsibility for such river, has determined in writing that the proposed activity will not adversely affect the Wild and Scenic River designation or study status.

(b) If a proposed NWP activity will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, the permittee must submit a pre-construction notification (see general condition 32). The district engineer will coordinate the PCN with the Federal agency with direct management responsibility for that river. Permittees shall not begin the NWP activity until notified by the district engineer that the Federal agency with direct management responsibility for that river has determined in writing that the proposed NWP activity will not adversely affect the Wild and Scenic River designation or study status.

(c) Information on Wild and Scenic Rivers may be obtained from the appropriate Federal land management agency responsible for the designated Wild and Scenic River or study river (e.g., National Park Service, U.S. Forest Service, Bureau of Land Management, U.S. Fish and Wildlife Service). Information on these rivers is also available at: http://www.rivers.gov/.

17. Tribal Rights. No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.

18. Endangered Species. (a) No activity is authorized under any NWP which is likely to directly or indirectly jeopardize the continued existence of a threatened or endangered species or a species proposed for such designation, as identified under the Federal Endangered Species Act (ESA), or which will directly or indirectly destroy or adversely modify designated critical habitat or critical habitat proposed for such designation. No activity is authorized under any NWP which "may affect" a listed species or critical habitat, unless ESA section 7 consultation addressing the consequences of the proposed activity on listed species or critical habitat has been completed. See 50 CFR 402.02 for the definition of "effects of the action" for the purposes of ESA section 7 consultation, as well as 50 CFR 402.17, which provides further explanation under ESA section 7 regarding "activities that are reasonably certain to occur" and "consequences caused by the proposed action."

(b) Federal agencies should follow their own procedures for complying with the requirements of the ESA (see 33 CFR 330.4(f)(1)). If pre-construction notification is required for the proposed activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation has not been submitted, additional ESA section 7 consultation may be necessary for the activity and the respective federal agency would be responsible for fulfilling its obligation under section 7 of the ESA.

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(c) Non-federal permittees must submit a pre-construction notification to the district engineer if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat or critical habitat proposed for such designation, and shall not begin work on the activity until notified by the district engineer that the requirements of the ESA have been satisfied and that the activity is authorized. For activities that might affect Federally-listed endangered or threatened species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation), the pre-construction notification must include the name(s) of the endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or that utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. The district engineer will determine whether the proposed activity "may affect" or will have "no effect" to listed species and designated critical habitat and will notify the non-Federal applicant of the Corps' determination within 45 days of receipt of a complete pre-construction notification. For activities where the non-Federal applicant has identified listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) that might be affected or is in the vicinity of the activity, and has so notified the Corps, the applicant shall not begin work until the Corps has provided notification that the proposed activity will have "no effect" on listed species (or species proposed for listing or designated critical habitat (or critical habitat proposed for such designation), or until ESA section 7 consultation or conference has been completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(d) As a result of formal or informal consultation or conference with the FWS or NMFS the district engineer may add species-specific permit conditions to the NWPs.

(e) Authorization of an activity by an NWP does not authorize the "take" of a threatened or endangered species as defined under the ESA. In the absence of separate authorization (e.g., an ESA Section 10 Permit, a Biological Opinion with "incidental take" provisions, etc.) from the FWS or the NMFS, the Endangered Species Act prohibits any person subject to the jurisdiction of the United States to take a listed species, where "take" means to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. The word "harm" in the definition of "take" means an act which actually kills or injures wildlife. Such an act may include significant habitat modification or degradation where it actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering.

(f) If the non-federal permittee has a valid ESA section 10(a)(1)(B) incidental take permit with an approved Habitat Conservation Plan for a project or a group of projects that includes the proposed NWP activity, the non-federal applicant should provide a copy of that ESA section 10(a)(1)(B) permit with the PCN required by paragraph (c) of this general condition. The district engineer will coordinate with the agency that issued the ESA section 10(a)(1)(B) permit to determine whether the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation conducted for the ESA section 10(a)(1)(B) permit. If that coordination results in concurrence from the agency that the proposed NWP activity and the associated incidental take were considered in the internal ESA section 7 consultation for the ESA section 10(a)(1)(B) permit, the district engineer does not need to conduct a separate ESA section 7 consultation for the proposed NWP activity. The district engineer will notify the non-federal applicant within 45 days of receipt of a complete pre-construction notification whether the ESA section 10(a)(1)(B) permit covers the proposed NWP activity or whether additional ESA section 7 consultation is required.

(g) Information on the location of threatened and endangered species and their critical habitat can be obtained directly from the offices of the FWS and NMFS or their world wide web pages at http://www.fws.gov/ or http://www.fws.gov/ipac and http://www.nmfs.noaa.gov/pr/species/esa/ respectively.

19. Migratory Birds and Bald and Golden Eagles. The permittee is responsible for ensuring that an action authorized by an NWP complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting the appropriate local office of the U.S. Fish and Wildlife Service to determine what measures, if any, are necessary or appropriate to reduce adverse effects to migratory birds or eagles, including whether "incidental take" permits are necessary and

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available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity.

20. Historic Properties. (a) No activity is authorized under any NWP which may have the potential to cause effects to properties listed, or eligible for listing, in the National Register of Historic Places until the requirements of Section 106 of the National Historic Preservation Act (NHPA) have been satisfied.

(b) Federal permittees should follow their own procedures for complying with the requirements of section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)(1)). If pre-construction notification is required for the proposed NWP activity, the Federal permittee must provide the district engineer with the appropriate documentation to demonstrate compliance with those requirements. The district engineer will verify that the appropriate documentation has been submitted. If the appropriate documentation is not submitted, then additional consultation under section 106 may be necessary. The respective federal agency is responsible for fulfilling its obligation to comply with section 106.

(c) Non-federal permittees must submit a pre-construction notification to the district engineer if the NWP activity might have the potential to cause effects to any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the National Register of Historic Places, including previously unidentified properties. For such activities, the pre-construction notification must state which historic properties might have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic properties or the potential for the presence of historic properties. Assistance regarding information on the location of, or potential for, the presence of historic properties can be sought from the State Historic Preservation Officer, Tribal Historic Preservation Officer, or designated tribal representative, as appropriate, and the National Register of Historic Places (see 33 CFR 330.4(g)). When reviewing pre-construction notifications, district engineers will comply with the current procedures for addressing the requirements of section 106 of the National Historic Preservation Act. The district engineer shall make a reasonable and good faith effort to carry out appropriate identification efforts commensurate with potential impacts, which may include background research, consultation, oral history interviews, sample field investigation, and/or field survey. Based on the information submitted in the PCN and these identification efforts, the district engineer shall determine whether the proposed NWP activity has the potential to cause effects on the historic properties. Section 106 consultation is not required when the district engineer determines that the activity does not have the potential to cause effects on historic properties (see 36 CFR 800.3(a)). Section 106 consultation is required when the district engineer determines that the activity has the potential to cause effects on historic properties. The district engineer will conduct consultation with consulting parties identified under 36 CFR 800.2(c) when he or she makes any of the following effect determinations for the purposes of section 106 of the NHPA: no historic properties affected, no adverse effect, or adverse effect.

(d) Where the non-Federal applicant has identified historic properties on which the proposed NWP activity might have the potential to cause effects and has so notified the Corps, the non-Federal applicant shall not begin the activity until notified by the district engineer either that the activity has no potential to cause effects to historic properties or that NHPA section 106 consultation has been completed. For non-federal permittees, the district engineer will notify the prospective permittee within 45 days of receipt of a complete pre-construction notification whether NHPA section 106 consultation is required. If NHPA section 106 consultation is required, the district engineer will notify the non-Federal applicant that he or she cannot begin the activity until section 106 consultation is completed. If the non-Federal applicant has not heard back from the Corps within 45 days, the applicant must still wait for notification from the Corps.

(e) Prospective permittees should be aware that section 110k of the NHPA (54 U.S.C. 306113) prevents the Corps from granting a permit or other assistance to an applicant who, with intent to avoid the requirements of section 106 of the NHPA, has intentionally significantly adversely affected a historic property to which the permit would relate, or having legal power to prevent it, allowed such significant adverse effect to occur, unless the Corps, after consultation with the Advisory Council on Historic Preservation (ACHP), determines that circumstances justify granting such assistance despite the adverse effect created or permitted by the applicant. If circumstances justify granting the assistance, the Corps is required to notify the ACHP and provide documentation specifying the circumstances, the degree of damage to the integrity of any historic properties affected, and proposed mitigation. This documentation must include any views obtained from the applicant, SHPO/THPO, appropriate Indian tribes if the

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undertaking occurs on or affects historic properties on tribal lands or affects properties of interest to those tribes, and other parties known to have a legitimate interest in the impacts to the permitted activity on historic properties.

21. Discovery of Previously Unknown Remains and Artifacts. Permittees that discover any previously unknown historic, cultural or archeological remains and artifacts while accomplishing the activity authorized by an NWP, they must immediately notify the district engineer of what they have found, and to the maximum extent practicable, avoid construction activities that may affect the remains and artifacts until the required coordination has been completed. The district engineer will initiate the Federal, Tribal, and state coordination required to determine if the items or remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

22. Designated Critical Resource Waters. Critical resource waters include, NOAA-managed marine sanctuaries and marine monuments, and National Estuarine Research Reserves. The district engineer may designate, after notice and opportunity for public comment, additional waters officially designated by a state as having particular environmental or ecological significance, such as outstanding national resource waters or state natural heritage sites. The district engineer may also designate additional critical resource waters after notice and opportunity for public comment.

(a) Discharges of dredged or fill material into waters of the United States are not authorized by NWPs 7, 12, 14, 16, 17, 21, 29, 31, 35, 39, 40, 42, 43, 44, 49, 50, 51, 52, 57 and 58 for any activity within, or directly affecting, critical resource waters, including wetlands adjacent to such waters.

(b) For NWPs 3, 8, 10, 13, 15, 18, 19, 22, 23, 25, 27, 28, 30, 33, 34, 36, 37, 38, and 54, notification is required in accordance with general condition 32, for any activity proposed by permittees in the designated critical resource waters including wetlands adjacent to those waters. The district engineer may authorize activities under these NWPs only after she or he determines that the impacts to the critical resource waters will be no more than minimal.

23. Mitigation. The district engineer will consider the following factors when determining appropriate and practicable mitigation necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal:

(a) The activity must be designed and constructed to avoid and minimize adverse effects, both temporary and permanent, to waters of the United States to the maximum extent practicable at the project site (i.e., on site).

(b) Mitigation in all its forms (avoiding, minimizing, rectifying, reducing, or compensating for resource losses) will be required to the extent necessary to ensure that the individual and cumulative adverse environmental effects are no more than minimal.

(c) Compensatory mitigation at a minimum one-for-one ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. For wetland losses of 1/10-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects.

(d) Compensatory mitigation at a minimum one-for-one ratio will be required for all losses of stream bed that exceed 3/100-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation would be more environmentally appropriate or the adverse environmental effects of the proposed activity are no more than minimal, and provides an activity-specific waiver of this requirement. This compensatory mitigation requirement may be satisfied through the restoration or enhancement of riparian areas next to streams in accordance with paragraph (e) of this general condition. For losses of stream bed of 3/100-acre or less that require pre-construction notification, the district engineer may determine on a case-by-case basis that compensatory mitigation is required to ensure that the activity results in only minimal adverse environmental effects. Compensatory

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mitigation for losses of streams should be provided, if practicable, through stream rehabilitation, enhancement, or preservation, since streams are difficult-to-replace resources (see 33 CFR 332.3(e)(3)).

(e) Compensatory mitigation plans for NWP activities in or near streams or other open waters will normally include a requirement for the restoration or enhancement, maintenance, and legal protection (e.g., conservation easements) of riparian areas next to open waters. In some cases, the restoration or maintenance/protection of riparian areas may be the only compensatory mitigation required. If restoring riparian areas involves planting vegetation, only native species should be planted. The width of the required riparian area will address documented water quality or aquatic habitat loss concerns. Normally, the riparian area will be 25 to 50 feet wide on each side of the stream, but the district engineer may require slightly wider riparian areas to address documented water quality or habitat loss concerns. If it is not possible to restore or maintain/protect a riparian area on both sides of a stream, or if the waterbody is a lake or coastal waters, then restoring or maintaining/protecting a riparian area along a single bank or shoreline may be sufficient. Where both wetlands and open waters exist on the project site, the district engineer will determine the appropriate compensatory mitigation (e.g., riparian areas and/or wetlands compensation) based on what is best for the aquatic environment on a watershed basis. In cases where riparian areas are determined to be the most appropriate form of minimization or compensatory mitigation, the district engineer may waive or reduce the requirement to provide wetland compensatory mitigation for wetland losses.

(f) Compensatory mitigation projects provided to offset losses of aquatic resources must comply with the applicable provisions of 33 CFR part 332.

(1) The prospective permittee is responsible for proposing an appropriate compensatory mitigation option if compensatory mitigation is necessary to ensure that the activity results in no more than minimal adverse environmental effects. For the NWPs, the preferred mechanism for providing compensatory mitigation is mitigation bank credits or in-lieu fee program credits (see 33 CFR 332.3(b)(2) and (3)). However, if an appropriate number and type of mitigation bank or in-lieu credits are not available at the time the PCN is submitted to the district engineer, the district engineer may approve the use of permittee-responsible mitigation.

(2) The amount of compensatory mitigation required by the district engineer must be sufficient to ensure that the authorized activity results in no more than minimal individual and cumulative adverse environmental effects (see 33 CFR 330.1(e)(3)). (See also 33 CFR 332.3(f).)

(3) Since the likelihood of success is greater and the impacts to potentially valuable uplands are reduced, aquatic resource restoration should be the first compensatory mitigation option considered for permittee-responsible mitigation.

(4) If permittee-responsible mitigation is the proposed option, the prospective permittee is responsible for submitting a mitigation plan. A conceptual or detailed mitigation plan may be used by the district engineer to make the decision on the NWP verification request, but a final mitigation plan that addresses the applicable requirements of 33 CFR 332.4(c)(2) through (14) must be approved by the district engineer before the permittee begins work in waters of the United States, unless the district engineer determines that prior approval of the final mitigation plan is not practicable or not necessary to ensure timely completion of the required compensatory mitigation (see 33 CFR 332.3(k)(3)). If permittee-responsible mitigation is the proposed option, and the proposed compensatory mitigation site is located on land in which another federal agency holds an easement, the district engineer will coordinate with that federal agency to determine if proposed compensatory mitigation project is compatible with the terms of the easement.

(5) If mitigation bank or in-lieu fee program credits are the proposed option, the mitigation plan needs to address only the baseline conditions at the impact site and the number of credits to be provided (see 33 CFR 332.4(c)(1)(ii)).

(6) Compensatory mitigation requirements (e.g., resource type and amount to be provided as compensatory mitigation, site protection, ecological performance standards, monitoring requirements)

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may be addressed through conditions added to the NWP authorization, instead of components of a compensatory mitigation plan (see 33 CFR 332.4(c)(1)(ii)).

(g) Compensatory mitigation will not be used to increase the acreage losses allowed by the acreage limits of the NWPs. For example, if an NWP has an acreage limit of 1/2-acre, it cannot be used to authorize any NWP activity resulting in the loss of greater than 1/2-acre of waters of the United States, even if compensatory mitigation is provided that replaces or restores some of the lost waters. However, compensatory mitigation can and should be used, as necessary, to ensure that an NWP activity already meeting the established acreage limits also satisfies the no more than minimal impact requirement for the NWPs.

(h) Permittees may propose the use of mitigation banks, in-lieu fee programs, or permittee-responsible mitigation. When developing a compensatory mitigation proposal, the permittee must consider appropriate and practicable options consistent with the framework at 33 CFR 332.3(b). For activities resulting in the loss of marine or estuarine resources, permittee-responsible mitigation may be environmentally preferable if there are no mitigation banks or in-lieu fee programs in the area that have marine or estuarine credits available for sale or transfer to the permittee. For permittee-responsible mitigation, the special conditions of the NWP verification must clearly indicate the party or parties responsible for the implementation and performance of the compensatory mitigation project, and, if required, its long-term management.

(i) Where certain functions and services of waters of the United States are permanently adversely affected by a regulated activity, such as discharges of dredged or fill material into waters of the United States that will convert a forested or scrub-shrub wetland to a herbaceous wetland in a permanently maintained utility line right-of-way, mitigation may be required to reduce the adverse environmental effects of the activity to the no more than minimal level.

24. Safety of Impoundment Structures. To ensure that all impoundment structures are safely designed, the district engineer may require non-Federal applicants to demonstrate that the structures comply with established state or federal, dam safety criteria or have been designed by qualified persons. The district engineer may also require documentation that the design has been independently reviewed by similarly qualified persons, and appropriate modifications made to ensure safety.

25. Water Quality. (a) Where the certifying authority (state, authorized tribe, or EPA, as appropriate) has not previously certified compliance of an NWP with CWA section 401, a CWA section 401 water quality certification for the proposed discharge must be obtained or waived (see 33 CFR 330.4(c)). If the permittee cannot comply with all of the conditions of a water quality certification previously issued by certifying authority for the issuance of the NWP, then the permittee must obtain a water quality certification or waiver for the proposed discharge in order for the activity to be authorized by an NWP.

(b) If the NWP activity requires pre-construction notification and the certifying authority has not previously certified compliance of an NWP with CWA section 401, the proposed discharge is not authorized by an NWP until water quality certification is obtained or waived. If the certifying authority issues a water quality certification for the proposed discharge, the permittee must submit a copy of the certification to the district engineer. The discharge is not authorized by an NWP until the district engineer has notified the permittee that the water quality certification requirement has been satisfied by the issuance of a water quality certification or a waiver.

(c) The district engineer or certifying authority may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality.

26. Coastal Zone Management. In coastal states where an NWP has not previously received a state coastal zone management consistency concurrence, an individual state coastal zone management consistency concurrence must be obtained, or a presumption of concurrence must occur (see 33 CFR 330.4(d)). If the permittee cannot comply with all of the conditions of a coastal zone management consistency concurrence previously issued by the state, then the permittee must obtain an individual coastal zone management consistency concurrence or presumption of concurrence in order for the

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activity to be authorized by an NWP. The district engineer or a state may require additional measures to ensure that the authorized activity is consistent with state coastal zone management requirements.

27. Regional and Case-By-Case Conditions. The activity must comply with any regional conditions that may have been added by the Division Engineer (see 33 CFR 330.4(e)) and with any case specific conditions added by the Corps or by the state, Indian Tribe, or U.S. EPA in its CWA section 401 Water Quality Certification, or by the state in its Coastal Zone Management Act consistency determination.

28. Use of Multiple Nationwide Permits. The use of more than one NWP for a single and complete project is authorized, subject to the following restrictions:
(a) If only one of the NWPs used to authorize the single and complete project has a specified acreage limit, the acreage loss of waters of the United States cannot exceed the acreage limit of the NWP with the highest specified acreage limit. For example, if a road crossing over tidal waters is constructed under NWP 14, with associated bank stabilization authorized by NWP 13, the maximum acreage loss of waters of the United States for the total project cannot exceed 1/3-acre.
(b) If one or more of the NWPs used to authorize the single and complete project has specified acreage limits, the acreage loss of waters of the United States authorized by those NWPs cannot exceed their respective specified acreage limits. For example, if a commercial development is constructed under NWP 39, and the single and complete project includes the filling of an upland ditch authorized by NWP 46, the maximum acreage loss of waters of the United States for the commercial development under NWP 39 cannot exceed 1/2-acre, and the total acreage loss of waters of United States due to the NWP 39 and 46 activities cannot exceed 1 acre.

29. Transfer of Nationwide Permit Verifications. If the permittee sells the property associated with a nationwide permit verification, the permittee may transfer the nationwide permit verification to the new owner by submitting a letter to the appropriate Corps district office to validate the transfer. A copy of the nationwide permit verification must be attached to the letter, and the letter must contain the following statement and signature:

"When the structures or work authorized by this nationwide permit are still in existence at the time the property is transferred, the terms and conditions of this nationwide permit, including any special conditions, will continue to be binding on the new owner(s) of the property. To validate the transfer of this nationwide permit and the associated liabilities associated with compliance with its terms and conditions, have the transferee sign and date below."

_____
(Transferee)

_____
(Date)

30. Compliance Certification. Each permittee who receives an NWP verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. The success of any required permittee-responsible mitigation, including the achievement of ecological performance standards, will be addressed separately by the district engineer. The Corps will provide the permittee the certification document with the NWP verification letter. The certification document will include:

(a) A statement that the authorized activity was done in accordance with the NWP authorization, including any general, regional, or activity-specific conditions;

(b) A statement that the implementation of any required compensatory mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation

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required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits; and

(c) The signature of the permittee certifying the completion of the activity and mitigation.

The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.

31. Activities Affecting Structures or Works Built by the United States. If an NWP activity also requires review by, or permission from, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers (USACE) federally authorized Civil Works project (a "USACE project"), the prospective permittee must submit a pre-construction notification. See paragraph (b)(10) of general condition 32. An activity that requires section 408 permission and/or review is not authorized by an NWP until the appropriate Corps office issues the section 408 permission or completes its review to alter, occupy, or use the USACE project, and the district engineer issues a written NWP verification.

32. Pre-Construction Notification. (a) *Timing*. Where required by the terms of the NWP, the prospective permittee must notify the district engineer by submitting a pre-construction notification (PCN) as early as possible. The district engineer must determine if the PCN is complete within 30 calendar days of the date of receipt and, if the PCN is determined to be incomplete, notify the prospective permittee within that 30 day period to request the additional information necessary to make the PCN complete. The request must specify the information needed to make the PCN complete. As a general rule, district engineers will request additional information necessary to make the PCN complete only once. However, if the prospective permittee does not provide all of the requested information, then the district engineer will notify the prospective permittee that the PCN is still incomplete and the PCN review process will not commence until all of the requested information has been received by the district engineer. The prospective permittee shall not begin the activity until either:

(1) He or she is notified in writing by the district engineer that the activity may proceed under the NWP with any special conditions imposed by the district or division engineer; or

(2) 45 calendar days have passed from the district engineer's receipt of the complete PCN and the prospective permittee has not received written notice from the district or division engineer. However, if the permittee was required to notify the Corps pursuant to general condition 18 that listed species or critical habitat might be affected or are in the vicinity of the activity, or to notify the Corps pursuant to general condition 20 that the activity might have the potential to cause effects to historic properties, the permittee cannot begin the activity until receiving written notification from the Corps that there is "no effect" on listed species or "no potential to cause effects" on historic properties, or that any consultation required under Section 7 of the Endangered Species Act (see 33 CFR 330.4(f)) and/or section 106 of the National Historic Preservation Act (see 33 CFR 330.4(g)) has been completed. If the proposed activity requires a written waiver to exceed specified limits of an NWP, the permittee may not begin the activity until the district engineer issues the waiver. If the district or division engineer notifies the permittee in writing that an individual permit is required within 45 calendar days of receipt of a complete PCN, the permittee cannot begin the activity until an individual permit has been obtained. Subsequently, the permittee's right to proceed under the NWP may be modified, suspended, or revoked only in accordance with the procedure set forth in 33 CFR 330.5(d)(2).

(b) *Contents of Pre-Construction Notification*: The PCN must be in writing and include the following information:

(1) Name, address and telephone numbers of the prospective permittee;

(2) Location of the proposed activity;

(3) Identify the specific NWP or NWP(s) the prospective permittee wants to use to authorize the proposed activity;

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(4) (i) A description of the proposed activity; the activity's purpose; direct and indirect adverse environmental effects the activity would cause, including the anticipated amount of loss of wetlands, other special aquatic sites, and other waters expected to result from the NWP activity, in acres, linear feet, or other appropriate unit of measure; a description of any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed activity; and any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity, including other separate and distant crossings for linear projects that require Department of the Army authorization but do not require pre-construction notification. The description of the proposed activity and any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or other mitigation measures.

(ii) For linear projects where one or more single and complete crossings require pre-construction notification, the PCN must include the quantity of anticipated losses of wetlands, other special aquatic sites, and other waters for each single and complete crossing of those wetlands, other special aquatic sites, and other waters (including those single and complete crossings authorized by an NWP but do not require PCNs). This information will be used by the district engineer to evaluate the cumulative adverse environmental effects of the proposed linear project, and does not change those non-PCN NWP activities into NWP PCNs.

(iii) Sketches should be provided when necessary to show that the activity complies with the terms of the NWP. (Sketches usually clarify the activity and when provided results in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed activity (e.g., a conceptual plan), but do not need to be detailed engineering plans);

(5) The PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial and intermittent streams, on the project site. Wetland delineations must be prepared in accordance with the current method required by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. Furthermore, the 45-day period will not start until the delineation has been submitted to or completed by the Corps, as appropriate;

(6) If the proposed activity will result in the loss of greater than 1/10-acre of wetlands or 3/100-acre of stream bed and a PCN is required, the prospective permittee must submit a statement describing how the mitigation requirement will be satisfied, or explaining why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required. As an alternative, the prospective permittee may submit a conceptual or detailed mitigation plan.

(7) For non-federal permittees, if any listed species (or species proposed for listing) or designated critical habitat (or critical habitat proposed for such designation) might be affected or is in the vicinity of the activity, or if the activity is located in designated critical habitat (or critical habitat proposed for such designation), the PCN must include the name(s) of those endangered or threatened species (or species proposed for listing) that might be affected by the proposed activity or utilize the designated critical habitat (or critical habitat proposed for such designation) that might be affected by the proposed activity. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with the Endangered Species Act;

(8) For non-federal permittees, if the NWP activity might have the potential to cause effects to a historic property listed on, determined to be eligible for listing on, or potentially eligible for listing on, the National Register of Historic Places, the PCN must state which historic property might have the potential to be affected by the proposed activity or include a vicinity map indicating the location of the historic property. For NWP activities that require pre-construction notification, Federal permittees must provide documentation demonstrating compliance with section 106 of the National Historic Preservation Act;

(9) For an activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river

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is in an official study status, the PCN must identify the Wild and Scenic River or the "study river" (see general condition 16); and

(10) For an NWP activity that requires permission from, or review by, the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, the pre-construction notification must include a statement confirming that the project proponent has submitted a written request for section 408 permission from, or review by, the Corps office having jurisdiction over that USACE project.

(c) *Form of Pre-Construction Notification*: The nationwide permit pre-construction notification form (Form ENG 6082) should be used for NWP PCNs. A letter containing the required information may also be used. Applicants may provide electronic files of PCNs and supporting materials if the district engineer has established tools and procedures for electronic submittals.

(d) *Agency Coordination*: (1) The district engineer will consider any comments from Federal and state agencies concerning the proposed activity's compliance with the terms and conditions of the NWPs and the need for mitigation to reduce the activity's adverse environmental effects so that they are no more than minimal.

(2) Agency coordination is required for: (i) all NWP activities that require pre-construction notification and result in the loss of greater than 1/2-acre of waters of the United States; (ii) NWP 13 activities in excess of 500 linear feet, fills greater than one cubic yard per running foot, or involve discharges of dredged or fill material into special aquatic sites; and (iii) NWP 54 activities in excess of 500 linear feet, or that extend into the waterbody more than 30 feet from the mean low water line in tidal waters or the ordinary high water mark in the Great Lakes.

(3) When agency coordination is required, the district engineer will immediately provide (e.g., via e-mail, facsimile transmission, overnight mail, or other expeditious manner) a copy of the complete PCN to the appropriate Federal or state offices (FWS, state natural resource or water quality agency, EPA, and, if appropriate, the NMFS). With the exception of NWP 37, these agencies will have 10 calendar days from the date the material is transmitted to notify the district engineer via telephone, facsimile transmission, or e-mail that they intend to provide substantive, site-specific comments. The comments must explain why the agency believes the adverse environmental effects will be more than minimal. If so contacted by an agency, the district engineer will wait an additional 15 calendar days before making a decision on the pre-construction notification. The district engineer will fully consider agency comments received within the specified time frame concerning the proposed activity's compliance with the terms and conditions of the NWPs, including the need for mitigation to ensure that the net adverse environmental effects of the proposed activity are no more than minimal. The district engineer will provide no response to the resource agency, except as provided below. The district engineer will indicate in the administrative record associated with each pre-construction notification that the resource agencies' concerns were considered. For NWP 37, the emergency watershed protection and rehabilitation activity may proceed immediately in cases where there is an unacceptable hazard to life or a significant loss of property or economic hardship will occur. The district engineer will consider any comments received to decide whether the NWP 37 authorization should be modified, suspended, or revoked in accordance with the procedures at 33 CFR 330.5.

(4) In cases of where the prospective permittee is not a Federal agency, the district engineer will provide a response to NMFS within 30 calendar days of receipt of any Essential Fish Habitat conservation recommendations, as required by section 305(b)(4)(B) of the Magnuson-Stevens Fishery Conservation and Management Act.

(5) Applicants are encouraged to provide the Corps with either electronic files or multiple copies of pre-construction notifications to expedite agency coordination.

C. SEATTLE DISTRICT REGIONAL GENERAL CONDITIONS: The following conditions apply to the 2021 NWPs - Final 16 NWPs for the Seattle District in Washington State, as applicable.

RGC 1, Project Drawings

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Drawings must be submitted with a pre-construction notification (PCN). Drawings must provide a clear understanding of the proposed project, and how waters of the United States will be affected. Drawings must be originals and not reduced copies of large-scale plans. Engineering drawings are not required. Existing and proposed site conditions (manmade and landscape features) must be drawn to scale.

RGC 2, Aquatic Resources Requiring Special Protection
A PCN is required for activities resulting in a loss of waters of the United States in wetlands in dunal systems along the Washington coast, mature forested wetlands, bogs and peatlands, aspen-dominated wetlands, alkali wetlands, vernal pools, camas prairie wetlands, estuarine wetlands, and wetlands in coastal lagoons.

RGC 3, New Bank Stabilization in Tidal Waters of Puget Sound
Activities involving new bank stabilization in tidal waters in Water Resource Inventory Areas (WRIAs) 8, 9, 10, 11, and 12 (within the areas identified on Figures 1a through 1e) cannot be authorized by NWP.

RGC 4, Commencement Bay
No permanent losses of wetlands or mudflats within the Commencement Bay Study Area may be authorized by any NWP (see Figure 2).

RGC 5, Bank Stabilization
All projects including new or maintenance bank stabilization activities in waters of the United States where salmonid species are present or could be present, requires PCN to the U.S. Army Corps of Engineers (Corps) (see NWP general condition 32).

For new bank stabilization projects only, the following must be submitted to the Corps:

a. The cause of the erosion and the distance of any existing structures from the area(s) being stabilized.

b. The type and length of existing bank stabilization within 300 feet of the proposed project.

c. A description of current conditions and expected post-project conditions in the waterbody.

d. A statement describing how the project incorporates elements avoiding and minimizing adverse environmental effects to the aquatic environment and nearshore riparian area, including vegetation impacts in the waterbody.

In addition to a. through d., the results from any relevant geotechnical investigations can be submitted with the PCN if it describes current or expected conditions in the waterbody.

RGC 6, Crossings of Waters of the United States
Any project including installing, replacing, or modifying crossings of waters of the United States, such as culverts or bridges, requires submittal of a PCN to the U.S. Army Corps of Engineers (see NWP general condition 32).

If a culvert is proposed to cross waters of the U.S. where salmonid species are present or could be present, the project must apply the stream simulation design method from the Washington Department of Fish and Wildlife located in the Water Crossing Design Guidelines (2013), or a design method which provides passage at all life stages at all flows where the salmonid species would naturally seek passage. If the stream simulation design method is not applied for a culvert where salmonid species are present or could be present, the applicant must provide a rationale in the PCN sufficient to establish one of the following:

a. The existence of extraordinary site conditions.

b. How the proposed design will provide equivalent or better fish passage and fisheries habitat benefits than the stream simulation design method.

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Culverts installed under emergency authorization that do not meet the above design criteria will be required to meet the above design criteria to receive an after-the-fact nationwide permit verification.

RGC 7, Stream Loss
A PCN is required for all activities that result in the loss of any linear feet of streams.

RGC 8, Construction Boundaries
Permittees must clearly mark all construction area boundaries within waters of the United States before beginning work on projects that involve grading or placement of fill. Boundary markers and/or construction fencing must be maintained and clearly visible for the duration of construction. Permittees should avoid and minimize removal of native vegetation (including submerged aquatic vegetation) to the maximum extent possible.

RGC 9, ESA Reporting to NMFS
For any nationwide permit that may affect threatened or endangered species:

Incidents where any individuals of fish species, marine mammals and/or sea turtles listed by National Oceanic and Atmospheric Administration Fisheries, National Marine Fisheries Service (NMFS) under the Endangered Species Act appear to be injured or killed as a result of discharges of dredged or fill material into waters of the U.S. or structures or work in navigable waters of the U.S. authorized by this Nationwide Permit verification shall be reported to NMFS, Office of Protected Resources at (301) 713-1401 and the Regulatory Office of the Seattle District of the U.S. Army Corps of Engineers at (206) 764-3495. The finder should leave the animal alone, make note of any circumstances likely causing the death or injury, note the location and number of individuals involved and, if possible, take photographs. Adult animals should not be disturbed unless circumstances arise where they are obviously injured or killed by discharge exposure or some unnatural cause. The finder may be asked to carry out instructions provided by the NMFS to collect specimens or take other measures to ensure that evidence intrinsic to the specimen is preserved.

RGC 10, Limitations on New Bank Stabilization Within the Salish Sea
The length of new bank stabilization within waters of the U.S., including new bank stabilization associated with maintenance activities that would expand previously authorized armoring length, cannot exceed 50 linear feet within the Salish Sea under any NWP.

RGC 11, Effects to Forage Fish Spawning Beaches, Drift Cells, and Feeder Bluffs)
No NWP activity can:

a. cause more than minimal adverse effects to forage fish spawning beaches or drift cells; or

b. prevent the functioning of feeder bluffs, including more than minimal adverse effects to sediment recruitment, transport, or deposition.

This regional general condition applies to all NWP activities within the Salish Sea. Information regarding the location of forage fish spawning beaches is available on the Washington Department of Fish and Wildlife's (WDFW) Forage Fish Spawning Map at https://wdfw.maps.arcgis.com/home/webmap/viewer.html?webmap=19b8f74e2d41470cbd80b1af8dedd6b3. Information regarding the location and movement of drift cells, shoreline stability, and coastal landforms, to include feeder bluffs, is available at the Washington State Department of Ecology's Coastal Atlas Map website: https://apps.ecology.wa.gov/coastalatlasmap. These maps are resources that can be used to help identify the location of forage fish spawning beaches, drift cells, and feeder bluffs; they are not a substitute for site-specific data. Information about forage fish, their spawning habitats, and spawning behavior are available through the WDFW. Additional information about the importance of these species as prey species for Endangered Species Act listed salmonids can be found on the National Marine Fisheries Service website.

RGC 12, Bank Stabilization Design Considerations

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Bank stabilization activities, including maintenance activities, shall utilize living shorelines, vegetative stabilization, bioengineering, including but not limited to large woody material with intact root wads, and other soft bank stabilization approaches to the maximum practicable extent before considering hard bank stabilization methods such as bulkheads and rock revetments.

RGC 13, PCNs for Activities in Areas Where There May Be Treaty-Reserved Tribal Rights
To ensure compliance with General Condition 17, Tribal Rights, a pre-construction notification (PCN) is required for all NWPs associated with structures or fills in areas where Tribes have retained via treaty the right to fish in their usual and accustomed grounds and stations.

RGC 14, Maintenance of Existing Bank Stabilization Structures and Fills
(Applicable to NWP 3, Maintenance Activities) Maintenance of existing bank stabilization structures that expand the existing structure's footprint or dimensions either waterward, vertically, or linearly along the shoreline within the geographic jurisdiction of the U.S. Army Corps of Engineers are not eligible for NWP 3.

D. SEATTLE DISTRICT REGIONAL SPECIFIC CONDITIONS FOR THIS NWP:

1. Pre-construction notification must identify if the project is an individual lot within a subdivision or part of a multiphase development.

E. 401 WATER QUALITY CERTIFICATION: Depending on the geographic region of the work authorized by this verification, the appropriate 401 certifying authority has made the following determinations:

Washington Department of Ecology (Ecology) (Projects in all areas except as described for the other certifying agencies listed below): General and Specific WQC Conditions

A. State General Conditions for all Nationwide Permits

In addition to all of the U.S. Army Corps of Engineers' (Corps) national and Seattle District'sregional permit conditions, the following state general Water Quality Certification (WQC) conditions **apply to all NWPs whether granted or granted with conditions** in Washington where Ecology is the certifying authority.

Due to the lack of site specific information on the discharge types, quantities, and specific locations, as well as the condition of receiving waters and the quantity of waters (including wetlands) that may be lost, Ecology may need to review the project if one of the following stategeneral conditions is triggered.

This case-by-case review may be required, and additional information regarding the project and associated discharges may be needed, to verify that the proposed project would comply with state water quality requirements and if an individual WQC is required or if the project meets this programmatic WQC.

1. **In-water construction activities**. Ecology WQC review is required for projects or activities authorized under NWPs where the project proponent has indicated on the Joint Aquatic Resource Permit Application (JARPA) question 9e that the project or activity will not meet State water quality standards, or has provided information indicating that the project or activity will cause, or may be likely to cause or contributeto an exceedance of a State water quality standard (Chapter 173-201A WAC) or sediment management standard (Chapter 173-204 WAC).

Note: In-water activities include any activity within a jurisdictional wetland and/orwaters.

2. **Projects or Activities Discharging to Impaired Waters**. Ecology WQC review is required for projects or activities that will occur in a 303(d) listed segment of a waterbody or upstream of a listed segment and may result in further exceedances of the specific listedparameter to determine if the project meets this programmatic WQC or will require individual WQC.

To determine if your project or activity is in a 303(d) listed segment of a waterbody, visitEcology's Water

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Quality Assessment webpage for maps and search tools.

3. **Aquatic resources requiring special protection**. Certain aquatic resources are unique and difficult-to-replace components of the aquatic environment in Washington. Activities that would affect these resources must be avoided to the greatest extent practicable. Compensating for adverse impacts to high value aquatic resources is typically difficult, prohibitively expensive, and may not be possible in some landscapesettings.

Ecology WQC review is required for projects or activities in areas identified below to determine if the project meets this programmatic WQC or will require individual WQC.

a. Activities in or affecting the following aquatic resources:
   i. Wetlands with special characteristics (as defined in the Washington State Wetland Rating Systems for western and eastern Washington, Ecology Publications #14-06-029 and #14-06-030):
      - Estuarine wetlands.
      - Wetlands of High Conservation Value.
      - Bogs.
      - Old-growth forested wetlands and mature forested wetlands.
      - Wetlands in coastal lagoons.
      - Wetlands in dunal systems along the Washington coast.
      - Vernal pools.
      - Alkali wetlands.

   ii. Fens, aspen-dominated wetlands, camas prairie wetlands.

   iii. Category I wetlands.

   iv. Category II wetlands with a habitat score ≥ 8 points.

b. Activities in or resulting in a loss of eelgrass (Zostera marina) beds.

This state general condition does not apply to the following NWPs:
NWP 20 – Response Operations for Oil and Hazardous Substances
NWP 32 – Completed Enforcement Actions
NWP 48 – Commercial Shellfish Mariculture Activities

4. **Loss of More than 300 Linear Feet of Streambed.** For any project that results in the lossof more than 300 linear feet of streambed Ecology WQC review is required to determineif the project meets this programmatic WQC or will require individual WQC.

5. **Temporary Fills.** For any project or activity with temporary fill in wetlands or other waters for more than six months Ecology WQC review is required to determine if theproject meets this programmatic WQC or will require individual WQC.

6. **Mitigation.** Project proponents are required to show that they have followed the mitigation sequence and have first avoided and minimized impacts to aquatic resourceswherever practicable. For projects requiring Ecology WQC review or an individual WQC with unavoidable impacts to aquatics resources, a mitigation plan must be provided.

   a. Wetland mitigation plans submitted for Ecology review and approval shall be based on the most current guidance provided in Wetland Mitigation in Washington State, Parts 1 and 2 (available on Ecology's website) and shall, at aminimum, include the following:

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i. A description of the measures taken to avoid and minimize impacts to wetlands and other waters of the U.S.

ii. The nature of the proposed impacts (i.e., acreage of wetlands and functions lost or degraded).

iii. The rationale for the mitigation site that was selected.

iv. The goals and objectives of the compensatory mitigation project.

v. How the mitigation project will be accomplished, including construction sequencing, best management practices to protect water quality, proposed performance standards for measuring success and the proposed buffer widths.

vi. How it will be maintained and monitored to assess progress toward goals and objectives. Monitoring will generally be required for a minimum of five years. For forested and scrub-shrub wetlands, 10 years of monitoring will often be necessary.

vii. How the compensatory mitigation site will be legally protected for the long term.

Refer to Wetland Mitigation in Washington State – Part 2: Developing Mitigation Plans (Ecology Publication #06-06-011b) and Selecting Wetland Mitigation Sites Using a Watershed Approach (Ecology Publications #09-06-032 (Western Washington) and #10-06-007 (Eastern Washington)) for guidance on selecting suitable mitigation sites and developing mitigation plans.

Ecology encourages the use of alternative mitigation approaches, includingcredit/debit methodology, advance mitigation, and other programmatic approaches such as mitigation banks and in-lieu fee programs. If you are interested in proposing use of an alternative mitigation approach, consult with the appropriate Ecology regional staff person. Information on alternative mitigation approaches is available on Ecology's website.

b. Mitigation for other aquatic resource impacts will be determined on a case-by-case basis.

7. **Stormwater Pollution Prevention**. All projects involving land disturbance or impervious surfaces must implement stormwater pollution prevention or control measures to avoiddischarge of pollutants in stormwater runoff to waters.

a. For land disturbances during construction, the applicant must obtain and implement permits (e.g., Construction Stormwater General Permit) where required and follow Ecology's current stormwater manual.

b. Following construction, prevention or treatment of on-going stormwater runofffrom impervious surfaces shall be provided.

Ecology's Stormwater Management and Design Manuals and stormwater permitinformation are available on Ecology's website.

8. **Application**. For projects or activities that will require Ecology WQC review, or anindividual WQC, project proponents must provide Ecology with a JARPA or the equivalent information, along with the documentation provided to the Corps, as described in national general condition 32, Pre-Construction Notification (PCN), including, where applicable:

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a. A description of the project, including site plans, project purpose, direct and indirect adverse environmental effects the project discharge(s) would cause, best management practices (BMPs), and proposed means to monitor the discharge(s).

b. List of all federal, state or local agency authorizations required to be used for anypart of the proposed project or any related activity.

c. Drawings indicating the OHWM, delineation of special aquatic sites, and other waters of the state. Wetland delineations must be prepared in accordance with thecurrent method required by the Corps and shall include Ecology's Wetland Rating form. Wetland Rating forms are subject to review and verification by Ecology staff.

Guidance for determining the OHWM is available on Ecology's website.

d. A statement describing how the mitigation requirement will be satisfied. A conceptual or detailed mitigation or restoration plan may be submitted. See stategeneral condition 5.

e. Other applicable requirements of Corps NWP general condition 32, Corps regional conditions, or notification conditions of the applicable NWP.

Ecology **grants Water Quality Certification** for this NWP provided that individual WQC review is not required per the state general conditions (see above) and the following NWP specific conditions:

42 – Recreational Facilities

Ecology Section 401 Water Quality Certification – Granted with conditions. Ecology individual WQC is required for projects or activities authorized under this NWP if:

1. The project or activity affects ¼ acre or more of waters; or

2. This NWP is authorized in conjunction with any other NWP.

Environmental Protection Agency (EPA) (on Tribal Lands where Tribes Do Not Have Treatment in a Similar Manner as a State and Lands with Exclusive Federal Jurisdiction in Washington):
Individual WQC is required by EPA for this NWP.

Specific Tribes with Certifying Authority (Projects in Specific Tribal Areas):
WQC was issued by the Swinomish Indian Tribal Community. WQC was waived by the Confederated Tribes of the Chehalis Reservation and Colville Indian Reservation, Kalispel Tribe of Indians, Port Gamble S'Klallam Tribe, Quinault Indian Nation, and the Spokane Tribe of Indians. WQC was denied by the Lummi Nation, Makah Tribe, Puyallup Tribe of Indians, and the Tulalip Tribes; therefore, individual WQC is required from these tribes.

F. COASTAL ZONE MANAGEMENT ACT (CZMA) CONSISTENCY RESPONSE FOR THIS NWP:

Ecology's determination is that they concur that this NWP is consistent with CZMA.

1. A (individual) CZM Federal Consistency Decision is required for projects or activities under this NWP if a (individual) State 401 Water Quality Certification is required.

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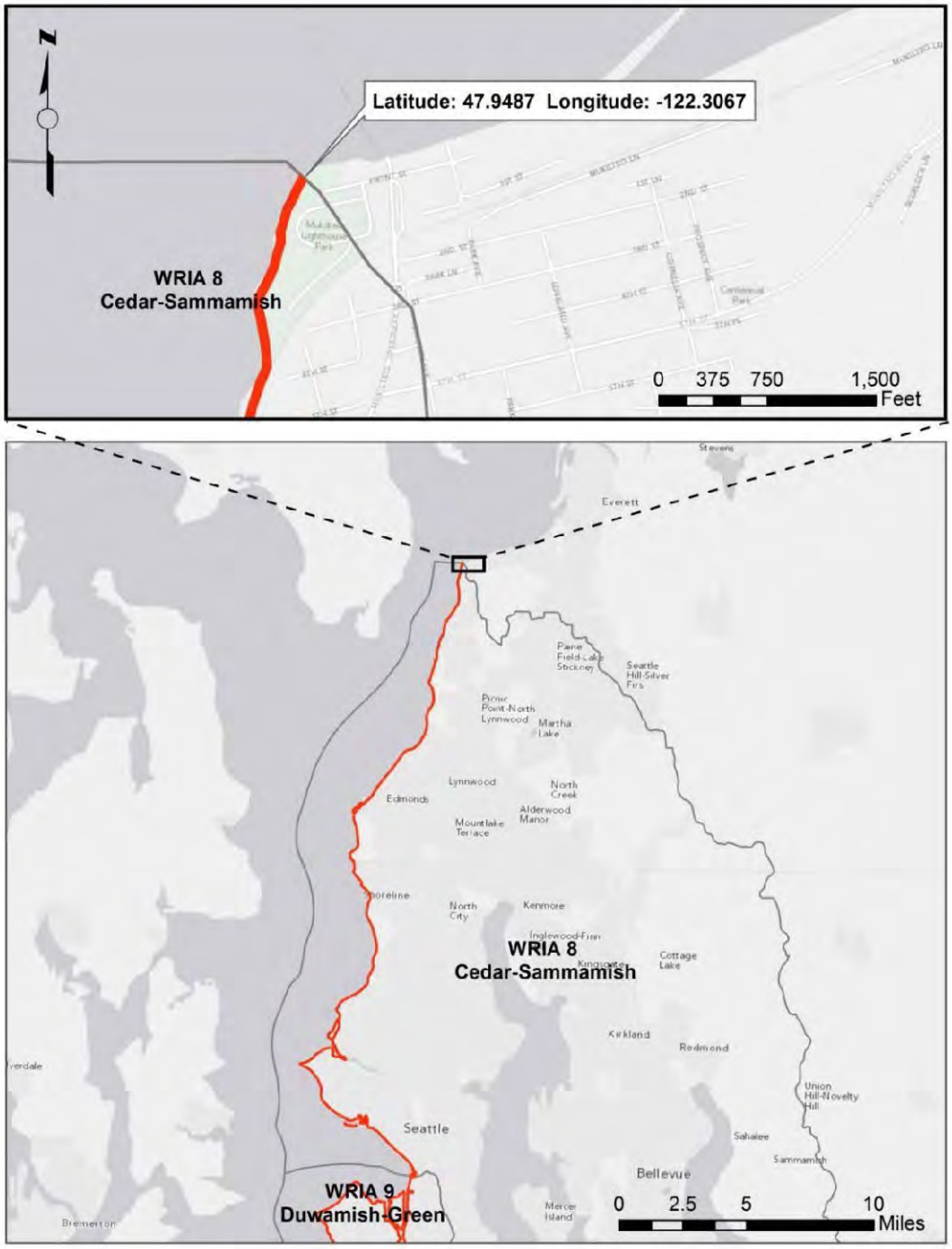
Seattle District Regional General Conditions - Figures
Figure 1: RGC 3 - WRIAs 8, 9, 10, 11, and 12
a. WRIA 8



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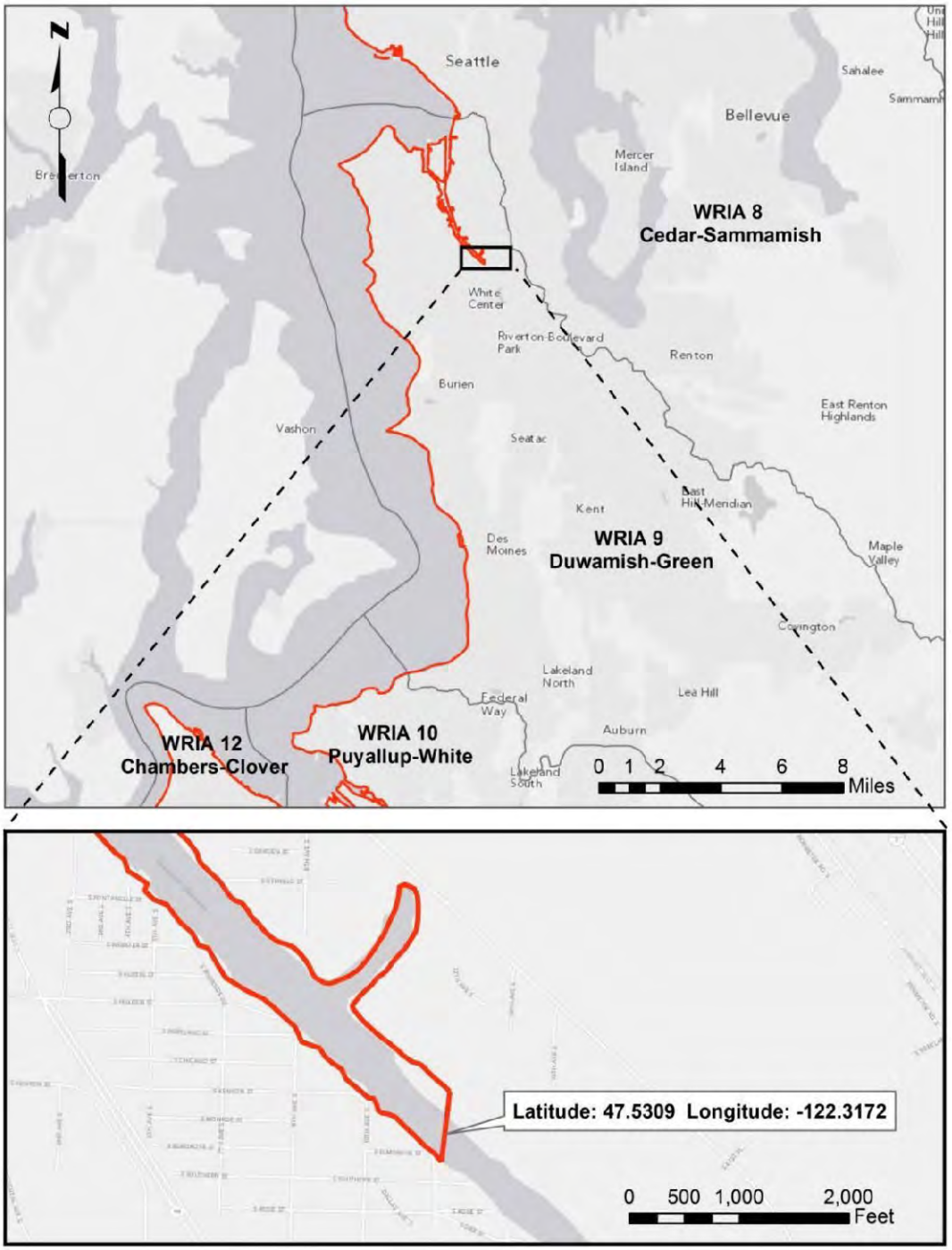
b. WRIA 9



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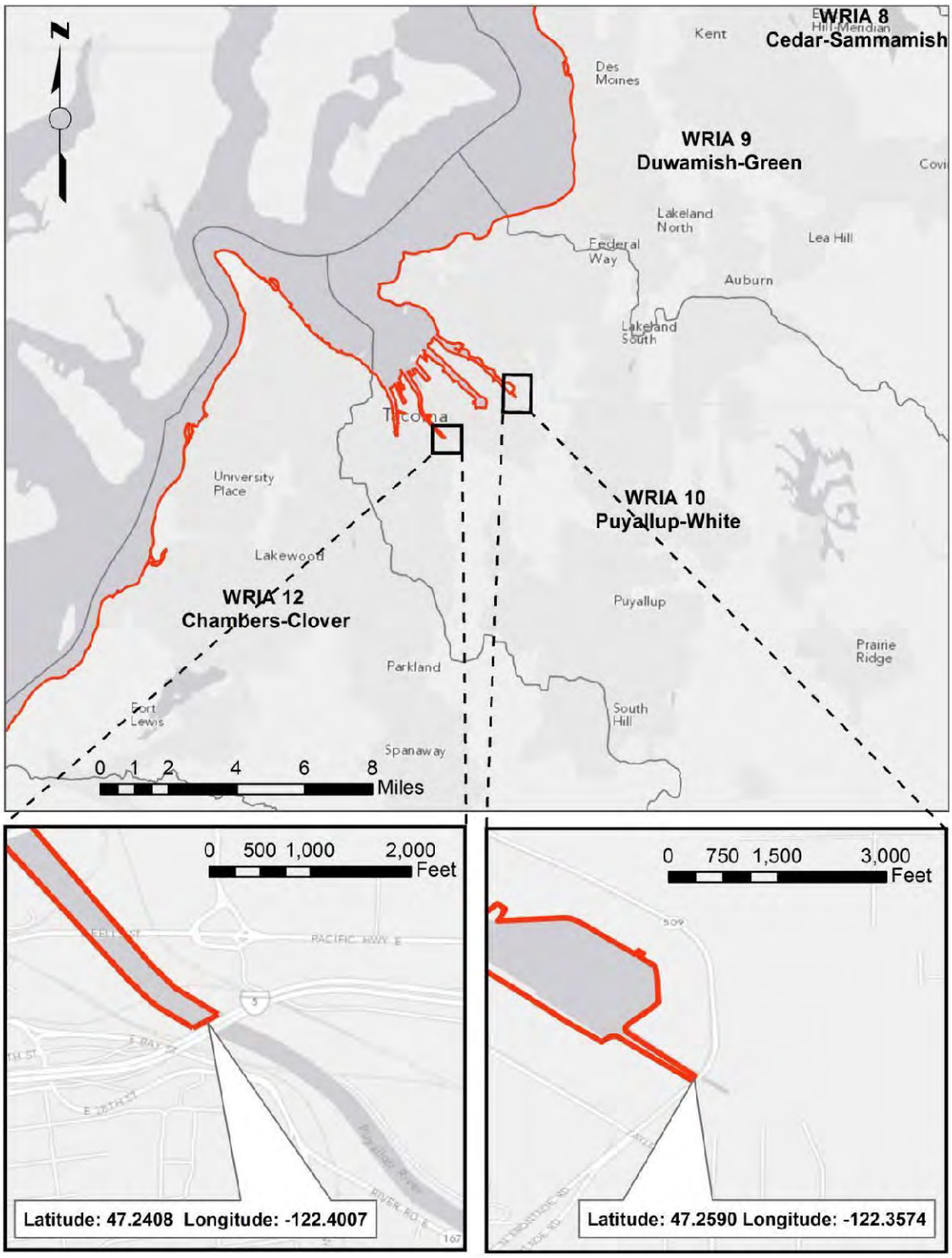
c. WRIA 10



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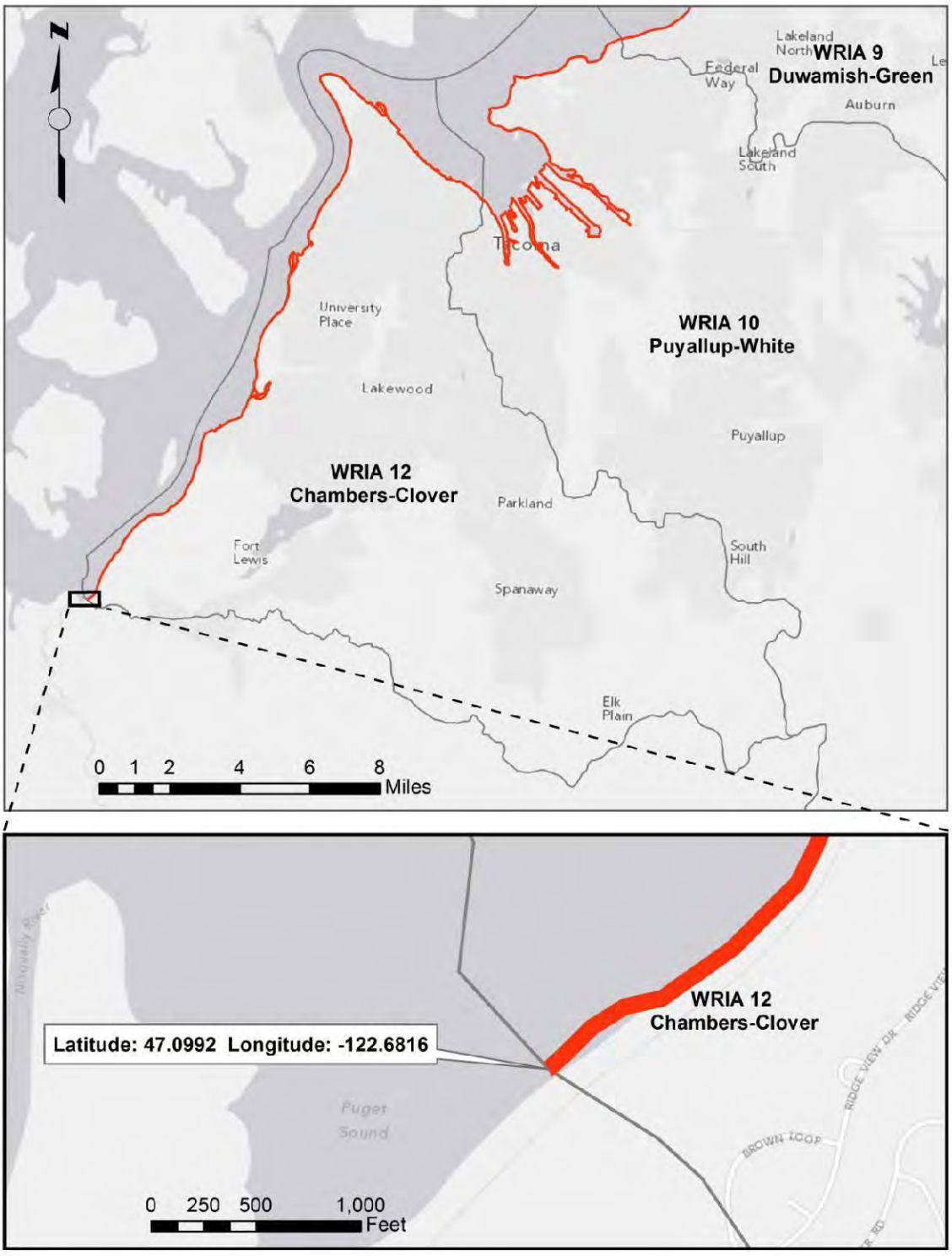
d. WRIA 12



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e. WRIA 11

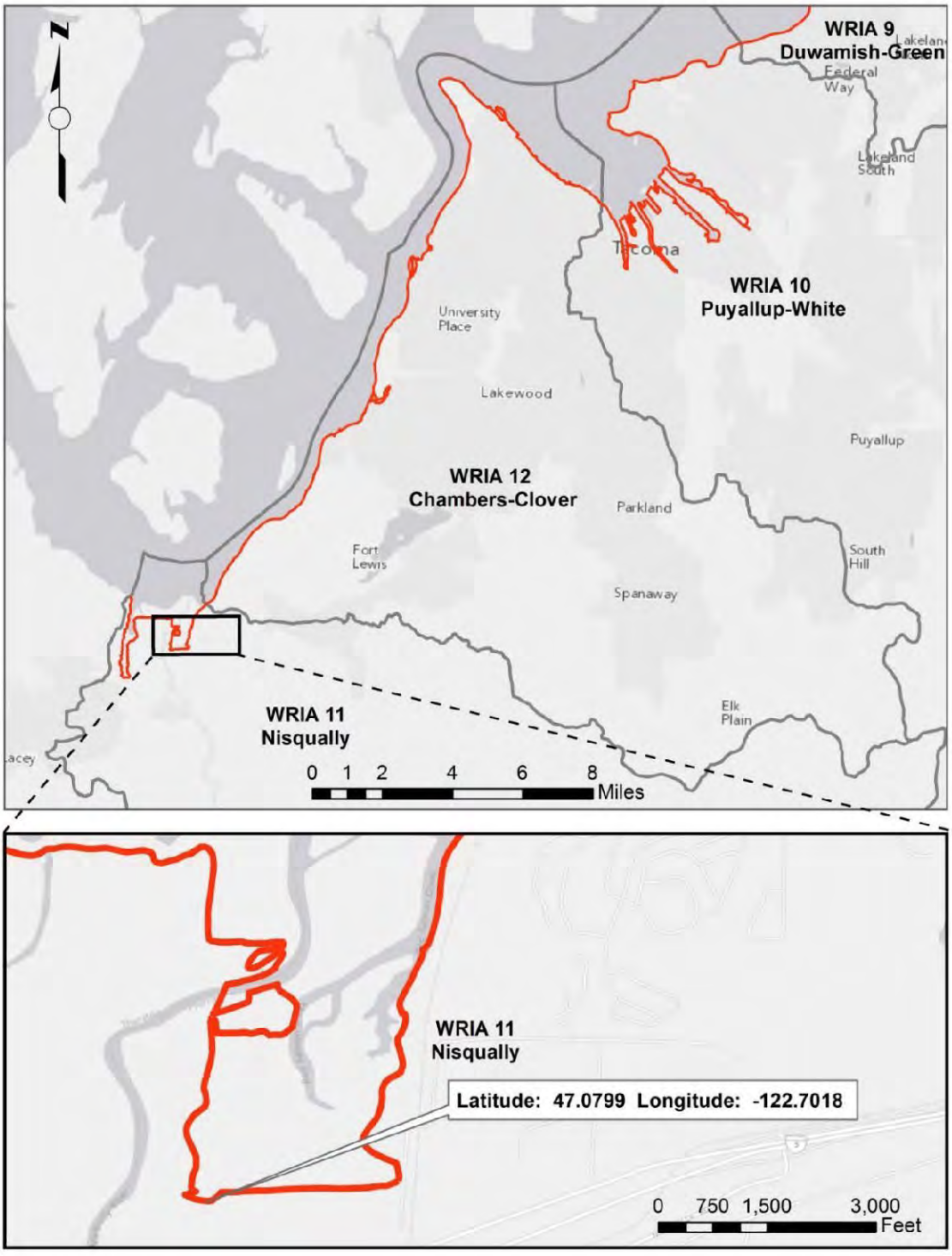

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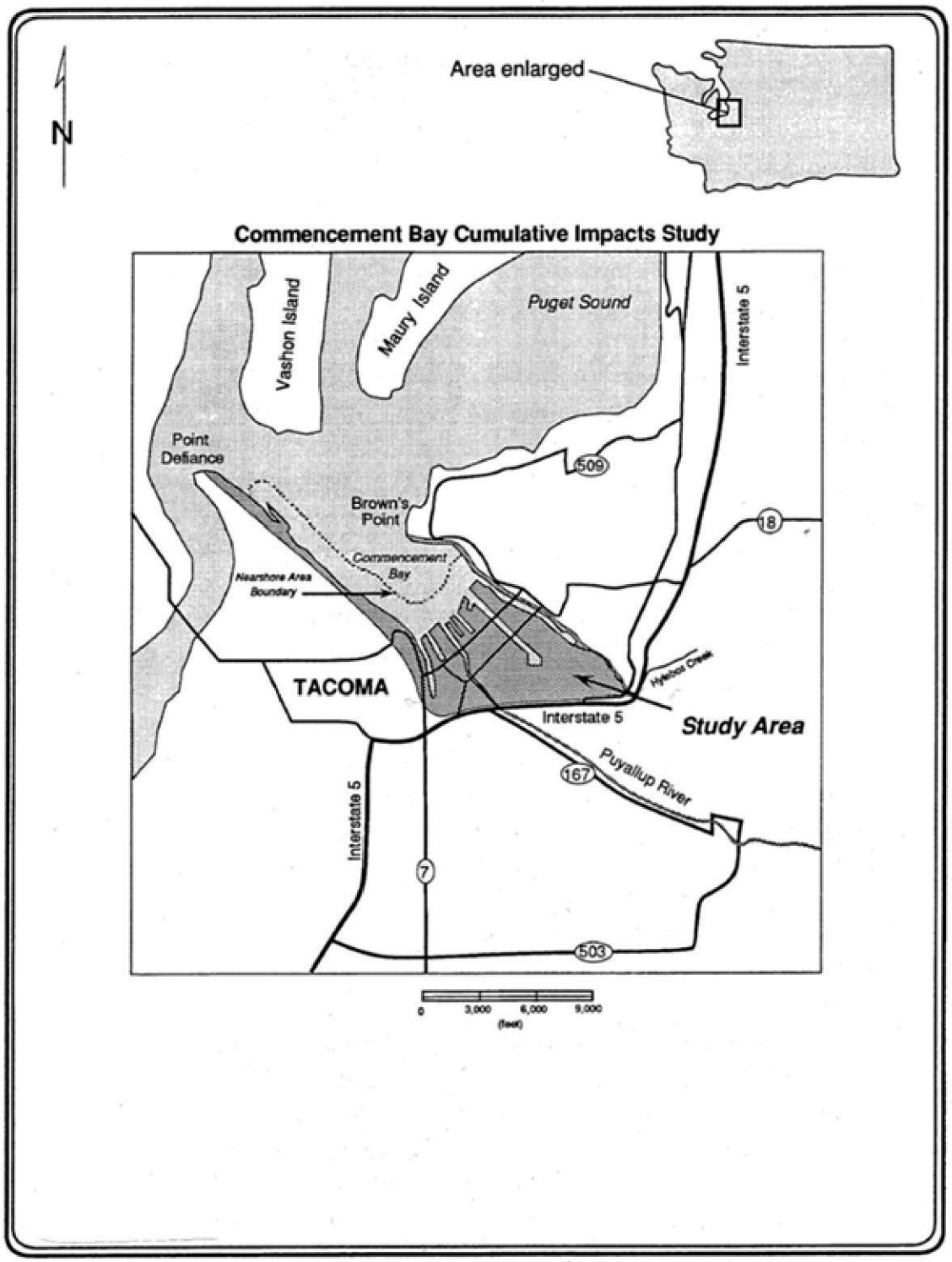
Figure 2. RGC 4 - Commencement Bay Study Area



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US Army Corps of Engineers ®
Seattle District

CERTIFICATE OF COMPLIANCE WITH DEPARTMENT OF THE ARMY PERMIT

Permit Number: NWS-_____

Name of Permittee: _____

Date of Issuance: _____

Upon completion of the activity authorized by this permit, please check the applicable boxes below, date and sign this certification, and return it to the following email or mailing address:

NWS.Compliance@usace.army.mil OR

Department of the Army
U.S. Army Corps of Engineers Seattle District, Regulatory Branch
4735 E. Marginal Way S, Bldg 1202
Seattle, Washington 98134-2388

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with the terms and conditions of your authorization, your permit may be subject to suspension, modification, or revocation.

☐ The work authorized by the above-referenced permit has been completed in accordance with the terms and conditions of this permit.

Date work complete: _____

☐ Photographs and as-built drawings of the authorized work (OPTIONAL, unless required as a Special Condition of the permit).

☐ If applicable, the mitigation required (e.g., construction and plantings) in the above-referenced permit has been completed in accordance with the terms and conditions of this permit (not including future monitoring).

Date work complete: _____ ☐N/A

☐ Photographs and as-built drawings of the mitigation (OPTIONAL, unless required as a Special Condition of the permit).

☐ Provide phone number/email for scheduling site visits (must have legal authority to grant property access).

Printed Name: _____

Phone Number: _____ Email: _____

Printed Name: _____

Signature: _____

Date: _____

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City of Bellevue

Development Services • 450 110th Ave NE • Bellevue 98004

Permit and Inspection Record

Job Address: 11608 NE 12th St **Permit Number: 23 111638 TK**

Issued: 11/13/2023 **Start Work On: 03/01/2024** **Expires: 12/31/2027**

Type: ROW Government
Property Owner: BELLEVUE CITY OF
Project Name: COBT Eastrail to NE Spring Blvd Trail
Description: Extended to 12/31/27 per PM Request. -CA

Occupancy Type: Government
Applicant: Chris Masek
Phone: **(425) 452-4619**

Currently, there is no formal connection between the Eastrail Trail and NE 12th Street. The project would provide a new 14-foot-wide paved trail that will meet Americans with Disabilities Act (ADA) standards. The total length of the proposed

Construction Lender: NONE Phone:

Imported in Versatile?	**No**	Customer Survey?	**No**	Pavements less than 60 Months?	**No**
Clear & Grade Review?	**No**	ROW Cut/Square Feet (Calc =	**0.00**	Start Work On	**03/01/2024**
Start Work Time	**8 AM**	End Work By	**12/31/2027**	End Work Time	**5 PM**

Post this permit in a visible and accessible location at the job site and have the approved plans available for the inspector.

Inspection Scheduling Information

To schedule or cancel inspections by phone, call **425-452-6875**
or go to **MyBuildingPermit.com**

To get an estimated inspection time after the inspection is scheduled, call the appropriate number below.
*** **Do not call the following number(s) to schedule inspections** ***

(425) 452-4570:	**Building, Mechanical, Electrical, Plumbing, Clearing & Grading Inspections** - Call between 7 and 8 a.m. the morning of the inspection.
(425) 452-4254:	**Fire Department** - If a specific time is needed, please call at least one day in advance.
(425) 452-4188:	**Land Use Inspections** - After you schedule your inspection, a Planner will call to schedule an inspection time.
(425) 452-6966:	**Transportation Inspections** - Call between 7:30 and 8:30 a.m. the morning of the inspection.
(425) 452-6977:	**Utility Inspections**- After you schedule your inspection, a Utilities representative will call to set up an appointment time.

Permit Expiration
This permit will expire if -

- Work is not started by n/a
- Work ceases for 180 days or more
- Final inspection approval is not obtained by 12/31/2027

There is no ability to extend the expiration date.
Call 425-452-2888, or 4617 if you have questions about permit expiration.

You are responsible for obtaining all the required inspections.

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MBP Inspection Scheduling

City of Bellevue Inspection Record

DS Inspection Survey

Job Address: 11608 NE 12th St

Permit Number: 23 111638 TK

Related Job #: Tenant: Floor: Suite:

Contractors:

OWNER License: Phone:

Construction Contact: City of Bellevue Transportation Dept. Chris Masek Phone: (425) 452-4619

For each discipline, schedule inspections in order (read Left --> to --> Right, Top --> to --> Bottom).
Your project may not need all the listed inspections; ask your inspector.
All inspections must be approved or marked N/A by an inspector prior to requesting the final inspection.

Required Inspection	Inspector	Signoff Date	Required Inspection	Inspector	Signoff Date
900 ROW-Jobstart			902 ROW-Precon		
903 ROW-General			928 ROW-Restoration		
995 ROW-Final					

All permits and inspection disciplines associated with a building permit - including electrical, mechanical, plumbing, fire suppression, clearing & grading, right of way use, utilities, and any required land use surveys - must have final inspection approval before you schedule the final inspection on the building permit.

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Development Services
Right of Way Permit Cover Sheet

VERY IMPORTANT

A PRINTED COPY OF ALL APPROVED DOCUMENTS MUST REMAIN ON THE JOB SITE AND BE AVAILABLE AT ALL TIMES FOR INSPECTORS.

RIGHT OF WAY	CLEARING & GRADING

CITY OF BELLEVUE
DEVELOPMENT SERVICES DEPARTMENT
TRANSPORTATION - ROW
APPROVED AS CORRECTED

SUBJECT TO FIELD INSPECTIONS OVERSIGHT OR VIOLATIONS OF CITY ORDIANCES ARE NOT INCLUDED IN THIS APPROVAL.

CALL 425-452-6875, TWO (2) BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION TO SCHEDULE REQUIRED PRE-CONSTRUCTION CONFERENCE.

DATE APPROVED: 03/09/2026
APPROVED BY: Casiano Atienza
Right of Way Review
catienza@bellevuewa.gov
425-452-2854

1. Sight Distance and Signal Visibility
Construction staging, materials, fencing, and vehicles shall not obstruct pedestrian or vehicle sightlines at the intersection. Visibility of traffic signal heads, pedestrian signal heads, and push buttons must be maintained at all times.

2. Staging Area Configuration
The staging configuration is expected to remain generally static. Minor adjustments may occur as construction progresses; however, any significant changes to the closure limits or traffic control require City review and approval.

3. Pedestrian Access and ADA Compliance
ADA-compliant pedestrian routes shall be maintained at all times except during temporary daytime work activities. Where sidewalks are temporarily closed, an approved pedestrian detour shall be provided and access restored at the end of each workday.
.

This approval is valid for 12 months from the start of construction implementation. Work shall be conducted in accordance with the project narrative and approved traffic control plan for staging limits, operations, and traffic control details.

REVIEW NOT REQUIRED

PERMIT NUMBER: 23 111638 TK Post Rev 2
PROJECT NAME: COBT Eastrail to NE Spring Blvd Trail Link
SITE ADDRESS: 11608 NE 12th St

Check Permit Status

https://PermitSearch.MyBuildingPermit.com

Share your feedback!

On your plan review experience:
https://bellevuewa.gov/IssuedSurvey

On your inspection experience:
https://bellevuewa.gov/InspectionSurvey

Request an Inspection

By phone: (425) 452-6875

On line: https://Inspection.MyBuildingPermit.com

Issued 03/11/2026

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City of Bellevue Right of Way Use

GENERAL CONDITIONS

1. The term "Applicant" means both the Applicant and Applicant's employees, agents, contractors and subcontractors.

2. The term "City Inspector" means the designated employee(s) of the department responsible for inspectingthe installation of warning and safety devices in the public right-of-way (ROW) and restoration of public rights-of-way disturbed by work. (BCC 14.30.050)

3. Applicant shall abide by all terms and conditions of this permit including associated costs/fees.

4. Applicant, for and on behalf of Applicant and Applicant's heirs, executors, administrators, successors, assigns, lessees, sub-lessees, tenants, and subtenants, does hereby covenant and agree to forever indemnify, defend, hold and save the city, its officers, officials, employees agents, and invitees, free and harmless from any and all claims, actions, or damages and costs, including attorneys' fees, of every kind and description, which may accrue to, or be suffered by, any person by reason of the use or occupation of the above-described right-of-way or public easement. To the extent permitted by RCW 4.24.115, Applicant's obligations under this indemnity shall not apply to the extent that any such claims, costs, liabilities and/or damages arise from the negligence of the city, or the city's employees, agents or contractors. For this purpose, Applicant waives with respect to the city any immunity that would otherwise be available under the industrial insurance provisions of Title 51 RCW against the claims to which this immunity extends.

5. It is Applicant's responsibility to ensure that any and all other permits required for the proposed construction are obtained prior to beginning construction. Right of Way permits are issued for public right-of-way use purposes only and do not constitute approval required for issuance of any other permits which may be required for construction.

6. A printed hard copy of the valid Right of Way Permit, the general conditions, the site-specific conditions shall be available on site and a minimum of 8.5-inch x 11-inch in size. Approved traffic control plans and all approved plans a minimum of 11-inch x 17-inch in size, shall be available on site at all times.

7. Permit conditions may need to be modified in order to mitigate/resolve unforeseen impacts to the public right-of-way due to activities authorized in the public right-of-way. Applicant shall comply with all modifications.

8. Applicant shall comply with all terms and conditions of any Stop Work Order posted by the City of Bellevue. A Stop Work Order may be issued whenever the City of Bellevue has reasonable cause to believe that violation of the Right of Way Permit's general and site-specific conditions has occurred, is about to occur, or that conditions exist that may constitute a hazard to persons or property. A Stop Work Order will necessitate an immediate shut down for a minimum of 24-hours and meeting with, and at the convenience of, appropriate city staff to review the corrective actions and resolve the issues leading to the issuance of the Stop Work Order. The City of Bellevue will allow work to continue only at successful resolution of the issues. A shut down of the project initiated by the Police Department will be treated as a Stop Work Order.

9. Applicant shall contact the One Call Locator Service at 1-800-424-5555 (or 811) a minimum of two (2) business days but not more than ten (10) days before beginning of any excavation/disturbance of surface authorized by City of Bellevue permit. RCW 19.122, BCC 14.30.070. All locates must be marked prior to scheduling the preconstruction meeting.

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10. All work, processes, and materials must meet the current requirements under the Standard Specifications for Road, Bridge, and Municipal Construction issued by the Washington State Department of Transportation, and City of Bellevue Special Provisions in effect at the time of permit issuance unless otherwise directed in the Transportation Department's Design Manual or otherwise approved by the City Inspector assigned to the project.

11. Applicant must be familiar with the APWA's Uniform Color Code for utility marking prior to disturbing any surface in the public right-of-way. The color code handout is available on the city's website under the title Utilities Department ROW Permit Conditions.

12. The permittee for himself/herself, his/her heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree that (1) no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities, (2) that in the construction of any improvements on, over, or under such land, and the furnishing of services thereon, no person on the ground of race, color, or national origin, will be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination, (3) that the permittee will use the premises in compliance with all other requirements imposed by or pursuant to the Acts and Regulations, as amended, set forth in this Assurance. That in the event of breach of any of the above Non-discrimination covenants, City of Bellevue will have the right to terminate the permit and to enter or re-enter and repossess said land and the facilities thereon, and hold the same as if said permit had never been made or issued.

    For purpose of this permit, Acts and Regulations refers to the following:

    - Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d et seq., 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin);
    - 49 C.F.R. Part 21 (entitled Non-discrimination In Federally-Assisted Programs Of The Department Of Transportation-Effectuation Of Title VI Of The Civil Rights Act Of 1964);
    - 28 C.F.R. section 50.3 (U.S. Department of Justice Guidelines for Enforcement of Title VI of the Civil Rights Act of 1964)

INSPECTION REQUIREMENTS:

13. Use of the public right-of-way authorized by a Right of Way Permit is subject to on-site inspection by a City Inspector. Right of Way permits require a minimum of three inspections: 1. Pre-construction, 2. Job Start, and 3. Final. Additional Job Start inspection requests are typically required for on-going work in the public right-of-way. Applicant is required to schedule all required inspections through www.inspection.mybuildingpermit.com. The required pre-construction inspection shall take place prior to beginning any activity in the public right-of-way. Pre-construction meetings shall be arranged to meet the schedule of the assigned City Inspector to this permit. At the discretion of the City Inspector, some preconstruction meetings may be accomplished over the phone. The frequency and reporting requirements for additional inspections shall be determined by the City Inspector.

14. City Inspectors have the authority to ask contractors to secure and leave the site.

15. If the project impacts city trees, landscaping, or irrigation systems, the Applicant must contact the City of Bellevue Parks Department at 425-452-6855 to arrange an on-site meeting with Parks Department Staff and City Inspector prior to the beginning of work.

VEHICULAR / PEDESTRIAN TRAFFIC CONTROL:

16. Vehicular / Bicycle / Pedestrian traffic control for all phases of this project shall be administered in accordance with the "Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), Part VI.", the MUTCD- Washington State Modifications (M 24-01), and as adapted by the City of Bellevue Transportation and Police Departments. All warnings signs within the City of Bellevue controlled ROW shall be 36"x36" consistent with the "Conventional Road" sizing, specified in the MUTCD Table 6F-1.

17. Applicant shall provide appropriate flaggers, signing, coning, and barricades for any temporary lane closures, sidewalk closures, or construction activities. Access to businesses and residents (both local and through

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traffic) must remain available at all times unless a temporary traffic control plan allowing access to be closed is approved by City of Bellevue. All approved temporary traffic control must assure public safety and traffic flow as the first priority. Construction activity will be secondary. Undue traffic impacts will result in a shut-down of Applicant's use of the public right-of-way until plans to mitigate the situation are submitted and subsequently approved by the City of Bellevue.

18. Sidewalks, trails and pathways shall remain open at all times and shall meet current ADA and PROWAG requirements. Applicant shall request and obtain approval from the city for a temporary traffic control plan that includes temporary pedestrian facilities and/or pedestrian detours, if Applicant expects or anticipates short duration sidewalk closures. Pedestrian access on both sides of the street within the same block, will not be closed at the same time, unless other legal crossings are available. Construction activities shall not affect access to pedestrian traffic signal equipment (pedestrian push buttons) or crosswalks without prior authorization through an approved temporary traffic control plan.

19. All requests for street closures and corresponding detours shall be submitted to the city for review and approval 14 days prior to closure.

20. Two-way traffic must always be maintained unless specifically authorized through a city approved temporary traffic control plan.

21. The work zone is defined as the work area closed off to all public access through the use of cones, barricades, etc. Operators of unlicensed vehicles operating outside of the work zone will be subject to ticketing. Repeated offenses may cause the vehicle to be impounded and a Stop Work Order to be issued on the project. A legally licensed vehicle/equipment is defined by law in RCW 46.16A.030.

22. Applicant shall barricade off (and immediately notify the City Inspector) if any portion of the Applicant's work or excavation: (a) affects or undermines the public right-of-way; or (b) creates an unsafe condition or hazard to people, property or vehicles.

CONSTRUCTION IMPACTS:

23. Applicant is solely responsible for all construction and installation activity within the public right-of-way. Responsibility for this approved installation is not transferable.

24. As determined by the City Inspector, damage to any infrastructure in the public right-of-way resulting from any work performed or associated with this permit will be repaired to as good as or better condition in a manner and with materials as approved by the City of Bellevue. Such repair may require a revision to the existing permit or may require obtaining a new Right of Way Permit with appropriate cost.

25. The landscaped or shoulder area shall be replaced or repaired to its original or better condition to the satisfaction of the City Inspector. Where appropriate, native soil or compost-amended soils shall be placed and vegetation re-planted.

26. Any damage to the existing signal equipment, detector loops, interconnect system and street lighting equipment, etc. shall be replaced per City of Bellevue Standards and to the satisfaction of the Signal Shop within seven calendar days. Applicant shall notify the Signal Shop at 425-452-6950 immediately if any loop detectors are cut or damaged. Applicant is responsible for permanent loops and shall grind and overlay the damaged loop area and replace the loops and appurtenances per City of Bellevue Standards. This work shall be performed by an electrical company certified by the State of Washington in accordance with RCW 19.28. Proof of certification shall be required upon request by the City. For more information on loops, contact the city's Signal Technician at 425-452-5233 or 425-452-6950.

27. Applicant shall not damage, trim, remove, top, prune or kill any trees or landscaping within the public right-of-way without the express prior written approval of the City of Bellevue; and, any actions taken by Applicant without such express prior written approval may result in Applicant's liability for civil penalties/fines of up to 3 times the assessed value of the trees and, depending on the circumstances, may result in criminal charges against the Applicant. Any damaged trees, landscaping or irrigation shall be replaced by the Applicant within 14 days.

28. Applicant shall comply with the requirements from the City of Bellevue Utilities Department. In the event of any

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damage, though not limited to an existing water structure, sewer structure, or storm drainage structure, Applicant shall immediately notify the Utilities Department at 425-452-7840 so that they can assess the damage and determine what repairs are needed. Applicant shall comply with all applicable codes and permits as required by other departments and/or agencies.

29. Vehicles are not allowed to park on sidewalks, multi-purpose pathways, bike facilities, or medians at any time except as allowed by a temporary traffic control plan. If vehicles are found parked in any of these areas, the company and/or individual may be subject to ticketing, sidewalk reconstruction and/or repair.

30. If authorized by an approved temporary traffic control plan, Applicant shall provide temporary no parking signs for the reservation of on-street parking stalls. Such signs must be mounted on Type II barricades and shall be placed immediately adjacent to the stalls to be reserved a minimum of 72 hours in advance of the authorized restriction period. The signs must display the dates and hours of the restriction and the permit number authorizing the restriction. The signs shall be completely removed from the public right-of-way when the restriction is no longer applicable. The signs shall include the Company's name, the company's employee contact, and a phone number for the company.

31. A minimum of 48 hours prior to the start of activity in the public right-of-way, Applicant shall inform all adjacent property/business owners of the scope and schedule of their project. The City Inspector or Engineer may prescribe additional or more restrictive advanced notification requirements as necessary due to the scope of the work. Applicant is required to provide evidence of advanced notification upon request. Applicant's work shall be performed in a manner which interferes or limits driveway access, pedestrian and vehicular ingress/egress, as little as is reasonably possible in consideration of the work being performed. Driveway access, pedestrian and vehicular ingress/egress shall be available and maintained at all driveway entrances except where prior arrangements (which are acceptable to the city) between Applicant and the property owner have been made. All driveways, pedestrian and vehicular ingress/egress points shall be open during non-construction hours unless agreements have been made with the property/business owner and accepted by the City Inspector.

32. Any removal or damage to existing pavement markings, traffic control signs, and/or parking signs shall be replaced with temporary marking or signs prior to site access being re-opened to the public. Temporary signs or pavement markings shall remain until the restoration is complete, at which point permanent signs, and/or markings shall be installed per City of Bellevue Standards.

33. On-street construction parking is not allowed at any time. Upon request, the contractor shall provide the Transportation Department written proof of the parking plan for construction employees for the duration of the project.

34. All walking surfaces must remain free of dirt and debris at all times. It is the responsibility of the contractor to maintain all sidewalks and pedestrian walking surfaces adjacent to the construction site. All pedestrian walking surfaces must be inspected by the contractor regularly and repaired immediately upon discovery of any defect

35. Any use of steel plates by Applicant shall be for overnight purposes only and shall not be used over weekends unless otherwise approved by the Engineer or City Inspector. The steel plates may only be used for distances of less than 200 feet and must have asphalt ramps/wedges around the plates and a non-skid surface at all times. They may not be used on steep grades of 8 percent or greater. All plates must be pinned down and the City of Bellevue may require combinations of plates to be welded together. Warning signs must be appropriately placed to caution motorists of upcoming steel plates. Steel plates are not allowed if snow is expected or if there is a potential for snow. The City Inspector must review and approve all steel plate placements prior to the contractor leaving the job site. Movement of plates or changes in site conditions for any plates that necessitates the call-out of city staff may cause a Stop Work Order to be issued to the project.

36. Utility pole installation requires use of a vacuum truck to excavate the hole. Augering may be done only when field locates of existing utilities show at least 5' of horizontal clearance, measured from the outside edge of the auger, to any existing utility.

37. Prior to commencing any construction or excavation within 100 feet of a right-of-way or utility easement containing a transmission pipeline, the Applicant must consult with the Olympic Pipe Line Company. The City Inspector or Engineer may request verification of the Applicant's coordination efforts with the pipeline company before or during the project.

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OTHER DEPARTMENTS:

38. Un-locatable Underground Facilities - if a water main has been field marked as unlocatable and cannot be located by hand-digging, the City Inspector and the Utility Department Personnel must be contacted at (425) 452-7840 to arrange for an onsite meeting prior to commencement or continuation of work.

39. A Hydrant Use Permit is required for use of any City of Bellevue hydrant. More information on Hydrant Use Permits can be found at https://bellevuewa.gov/city-government/departments/utilities/utilities-projects-plans-standards/utilities-codes-and-standards/temporary-fire-hydrant-permits.

40. The work area shall comply with all applicable provisions of the Bellevue City Code, Chapter 23.76 Clearing and Grading ordinances to prevent hazards to public safety, health, and welfare. Streets shall be kept free of dirt and debris on a continuous basis per Bellevue City Code 23.76.095. Vacuum sweepers with dust suppression shall be used as frequently as deemed necessary by the Engineer or City Inspector. The Contractor shall install catch basin filters in all catch basins (existing and new) per Bellevue City Code 23.76.090.

41. The Washington State Department of Ecology may identify sites within Bellevue as potentially being contaminated and/or hazardous. Applicant must verify the location of their underground work against the Department of Ecology Site List and take any necessary steps to protect the safety of their staff, the public, and the environment from disturbance of any contaminated materials. More about the sites can be found here (https://fortress.wa.gov/ecy/publications/documents/1709042a.pdf).

WORK FOR / BY UTILITY COMPANIES:

42. Permitted work or activity by a utility company, its contractors or subcontractors in the public right-of-way may require temporary construction notification signs at the direction of the City Inspector. The signs shall include the Company's name and logo, the company's employee contact, name of the project and a phone number for the company. Construction signing shall not obstruct travel lanes or the pedestrian system.

43. When directed to by the city, Applicant shall provide as-built drawings to the city showing the location and depth of the conduit, the size and location of all junction boxes and vaults.

HOLIDAY RESTRICTIONS:

44. Work in the public right-of-way will not be allowed from noon the day prior to a holiday or holiday weekend through 7:00am the day following a holiday or holiday weekend, except with prior exemption from the Right of Way Manager. Holidays that occur on Friday, Saturday, Sunday, or Monday are considered holiday weekends.

45. State identified holiday work restrictions: Holidays are defined in RCW 1.16.050 "Legal holidays and legislatively recognized days." The legal holidays are as follows: New Year's Day, Martin Luther King Jr. Day, Presidents Day, Memorial Day, Juneteenth, Independence Day, Labor Day, Veterans Day, Thanksgiving (and day after), and Christmas.

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ADDENDUM TO SPECIAL CONDITIONS FOR PERMIT

23 111638 TK - Post REVISION #1

11608 NE 12th St Vacant Industrial Land

3/9/2026

Job Description: Justification for 24/7 lane closure.

Approval authorizes the proposed right-of-way staging and traffic control activities for a period of **12 months from the start of construction implementation**. See the **project narrative and approved traffic control plan** for additional details regarding scope and configuration.

Currently, there is no formal connection between the Eastrail Trail and NE 12th Street. The project would provide a new 14-foot-wide paved trail that will meet Americans with Disabilities Act (ADA) standards. The total length of the proposed trail is approximately 850 feet. Improvements would include landscaping, irrigation, urban design, illumination, wetland mitigation, public art, wayfinding signage, site furnishings, and a retaining wall with railings.

TRAFFIC CONTROL

The work approved under this permit requires the applicant to provide on-site traffic control, which may include flaggers, advance warning signs, and/or channelizing devices. Specific traffic control requirements will be determined and field-approved by the Right of Way Inspector assigned to this permit.

The applicant shall employ a Washington State Certified Traffic Control Supervisor for the duration of this project. See attachment for role and responsibility requirements.

City of Bellevue Site Specific Conditions Commercial/Multifamily/Plats

Approval of the use of the right of way granted under this permit does not grant permission to change any requirements/approvals identified under the building permits or clear and grade permits issued for this site.

ADDITIONAL CODES, POLICIES, AND STANDARDS

The applicant is responsible for reading and understanding the approved drawings/plans for this permit (which may include traffic control plans), as well as all other applicable City of Bellevue codes, standards, and policies available on the City's website. These include, but are not limited to, the following links:

Right of Way Resources

City of Bellevue Design Manual

COB Water, Sewer, and Surface Water Engineering Standards

Bellevue City Code

ATTACHMENTS: Project Narrative & Justification, Traffic Control Plan

Issued 03/11/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

Eastrail to NE Spring Boulevard Trail Link

Extended Lane Closure Justification

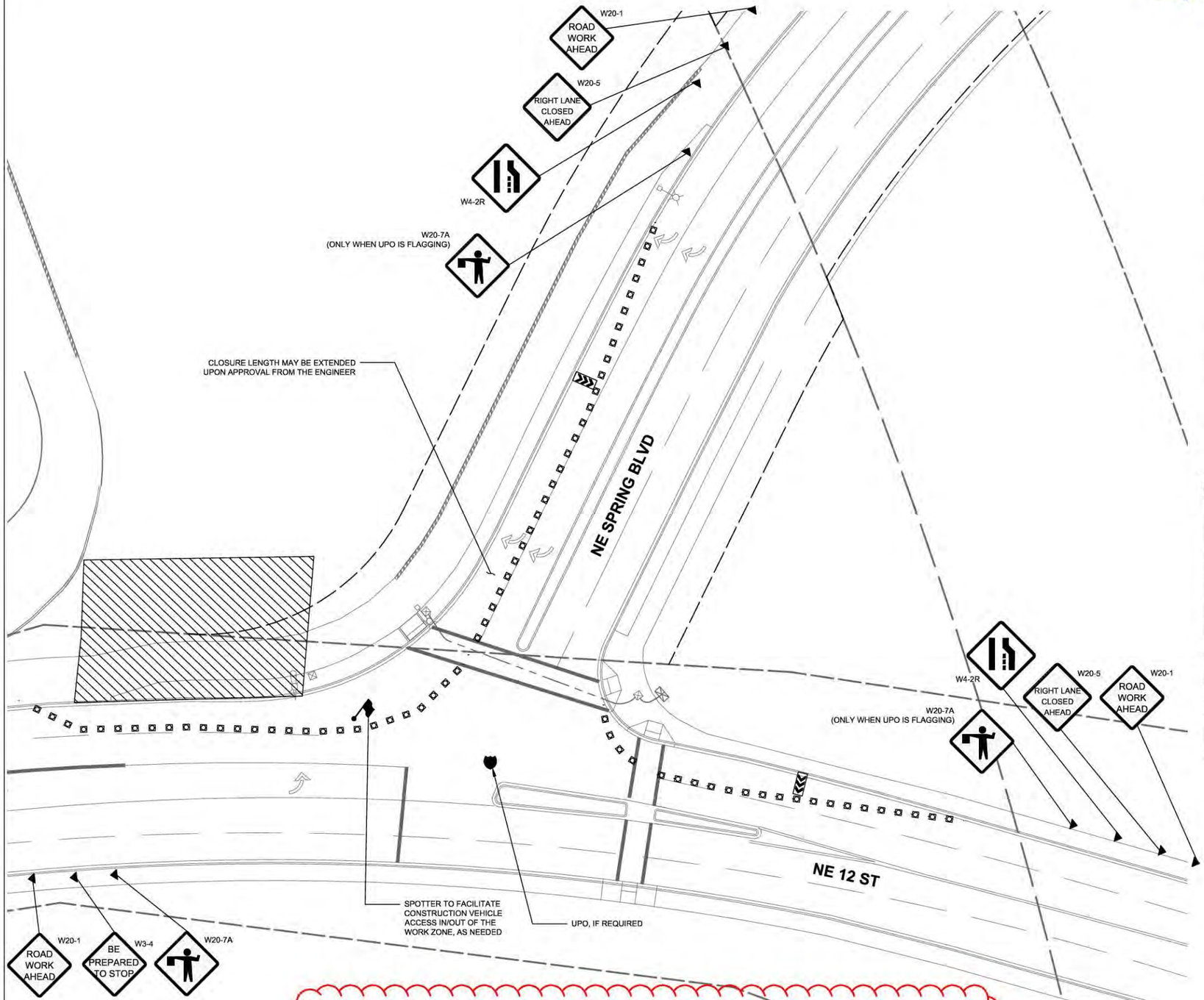
The Eastrail project will be constructing a trail link from 12th Ave/NE Spring St. down to the Eastrail Trail. While the work is off of the roadway, it is on a hillside, and the contractor will need to access the site from near the 12th/Spring intersection to bring in all construction materials. There will be limited ability to store construction items on the site due to the slope of the site.

In order to give the contractor more space for construction, we would like to close the right lane (right-turn lane) of WB Spring St. to 12th Ave. around the clock for the duration of the project. This lane is one lane of a double-right-turn movement. Traffic Mobility has said that this movement has very low traffic and there should not be a problem closing this lane around the clock.

The lane closure would give the contractor the ability to bring materials in on a more convenient schedule than if they could be stored next to the site. This would save the City money both due to savings for the contractor in their operations and because it would lead to more efficiency, minimizing the contract time, leading to more savings. Giving the contractor the ability to bring in materials and set up items near the site will save time waiting for items that could not be brought in on the exact day needed or not until late on a certain day. On a project that has quite a bit of material to bring in and use on a daily basis, having a place to put larger amounts of items until they are needed will save a fair amount of money and time.

Issued 03/11/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal



NOT TO SCALE

GENERAL TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN 11 FOOT WIDE MINIMUM TRAVEL LANES DURING CONSTRUCTION EXCEPT DURING FINAL PAVEMENT RESTORATION.
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3. APPROVED WORK HOURS SHALL BE MONDAY TO FRIDAY 8 AM TO 5 PM.
4. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLAN REFLECTING THEIR WORK ACTIVITIES IF THEY DIFFER FROM THE TRAFFIC CONTROL PLANS SHOWN. REVISED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AT LEAST 21 DAYS PRIOR TO CONSTRUCTION AND SHALL BE APPROVED BY THE CITY.
5. CHANNELIZATION DEVICES SHALL BE DRUMS OR CONES UNLESS OTHERWISE NOTED AND SHALL CONFORM WITH THE CURRENT VERSION OF THE MUTCD.
6. EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES NOT SHOWN TO SCALE.
7. SPACING OF CHANNELIZATION DEVICES SHALL BE PER TAPER/CHANNELIZATION DEVICE TABLE, SEE THIS SHEET. THE EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES MAY BE ADJUSTED BY THE ONSITE TCS AS NEEDED TO FIT THE SITE CONDITIONS.
8. FOR PEDESTRAIN DETOUR DURING ACTIVE CONSTRUCTION, SEE SHEET TCP02. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. AT THE END OF THE WORK SHIFT, ACCESS THROUGH THE WORK ZONE SHALL BE RESTORED.

TAPER / CHANNELIZING DEVICE TABLE

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	L		½ L		L		½ L		L		½ L		*1/3 L		
MPH	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
25	105	6	55	4	115	7	60	4	125	7	65	4	25	35	3
30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10" shoulder.

SIGN SPACING = X (FEET)		
Urban Arterials	35 MPH	350' +/-
Urban Streets, Residential & Business Districts	25/30	200' +/-
Urban Streets	25 mph or less	*160' +/-

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All signs are 36" X 36" black on orange unless otherwise specified.

BUFFER DATA BUFFER SPACE = B						
SPEED (MPH)	25	30	35	40	45	50
LENGTH (FEET)	155	200	250	305	360	425

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE
- POLICE OFFICER
- FLAGGER
- ARROW BOARD

DAYTIME LANE CLOSURE PLAN (8AM-5PM PERMITTED)

NO.	DATE	BY	APPR.	REVISIONS

GK/KP 08/25 DESIGNED BY DATE
GK 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

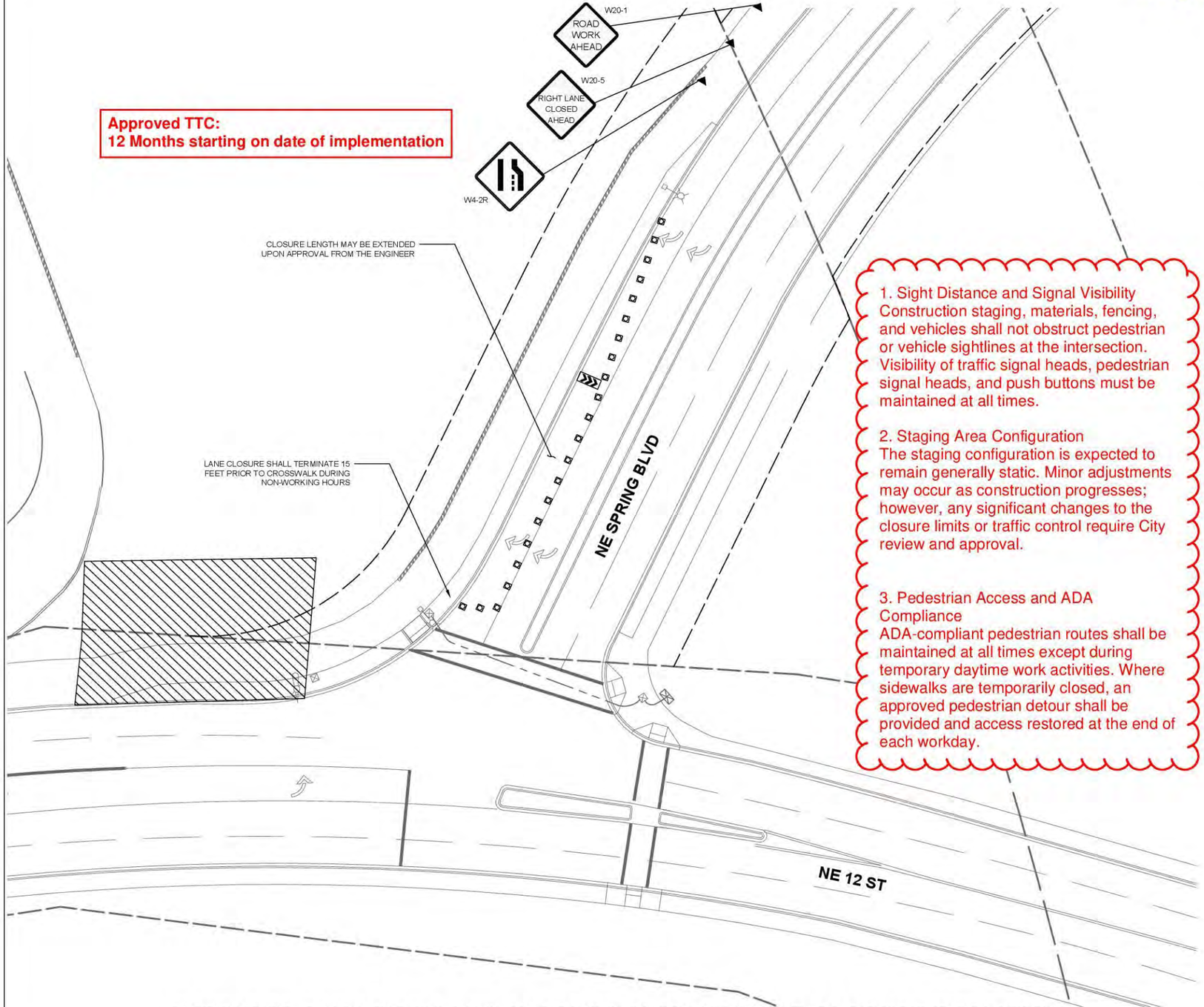
TRAFFIC CONTROL PLAN

TCP01 Sh 40 C 44

Issued 03/11/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

Approved TTC:
12 Months starting on date of implementation



NOT TO SCALE

1. Sight Distance and Signal Visibility
Construction staging, materials, fencing, and vehicles shall not obstruct pedestrian or vehicle sightlines at the intersection. Visibility of traffic signal heads, pedestrian signal heads, and push buttons must be maintained at all times.

2. Staging Area Configuration
The staging configuration is expected to remain generally static. Minor adjustments may occur as construction progresses; however, any significant changes to the closure limits or traffic control require City review and approval.

3. Pedestrian Access and ADA Compliance
ADA-compliant pedestrian routes shall be maintained at all times except during temporary daytime work activities. Where sidewalks are temporarily closed, an approved pedestrian detour shall be provided and access restored at the end of each workday.

GENERAL TRAFFIC CONTROL NOTES

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3. APPROVED WORK HOURS SHALL BE MONDAY TO FRIDAY 8 AM TO 5 PM.
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8. FOR PEDESTRAIN DETOUR DURING ACTIVE CONSTRUCTION, SEE SHEET TCP02. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. AT THE END OF THE WORK SHIFT, ACCESS THROUGH THE WORK ZONE SHALL BE RESTORED.

TAPER / CHANNELIZING DEVICE TABLE

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Taper (Assumes 10' shoulder)		
	L		½ L		L		½ L		L		½ L		*1/3 L		
MPH	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
25	105	6	55	4	115	7	60	4	125	7	65	4	25	35	3
30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	5
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

*L for shoulder taper
Equals Shoulder Width X Speed.
Figures shown are for a 10' shoulder.

SIGN SPACING = X (FEET)		
Urban Arterials	35 MPH	350' +/-
Urban Streets, Residential & Business Districts	25/30	200' +/-
Urban Streets	25 mph or less	*100' +/-

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BUFFER DATA						
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LENGTH (FEET)	155	200	250	305	360	425

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE
- POLICE OFFICER
- FLAGGER
- ARROW BOARD

EXTENDED DURATION LANE CLOSURE PLAN (24 HOUR CLOSURE PERMITTED)

NO.	DATE	BY	APPR	REVISIONS

GK/KP 08/25 DESIGNED BY DATE
GK 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

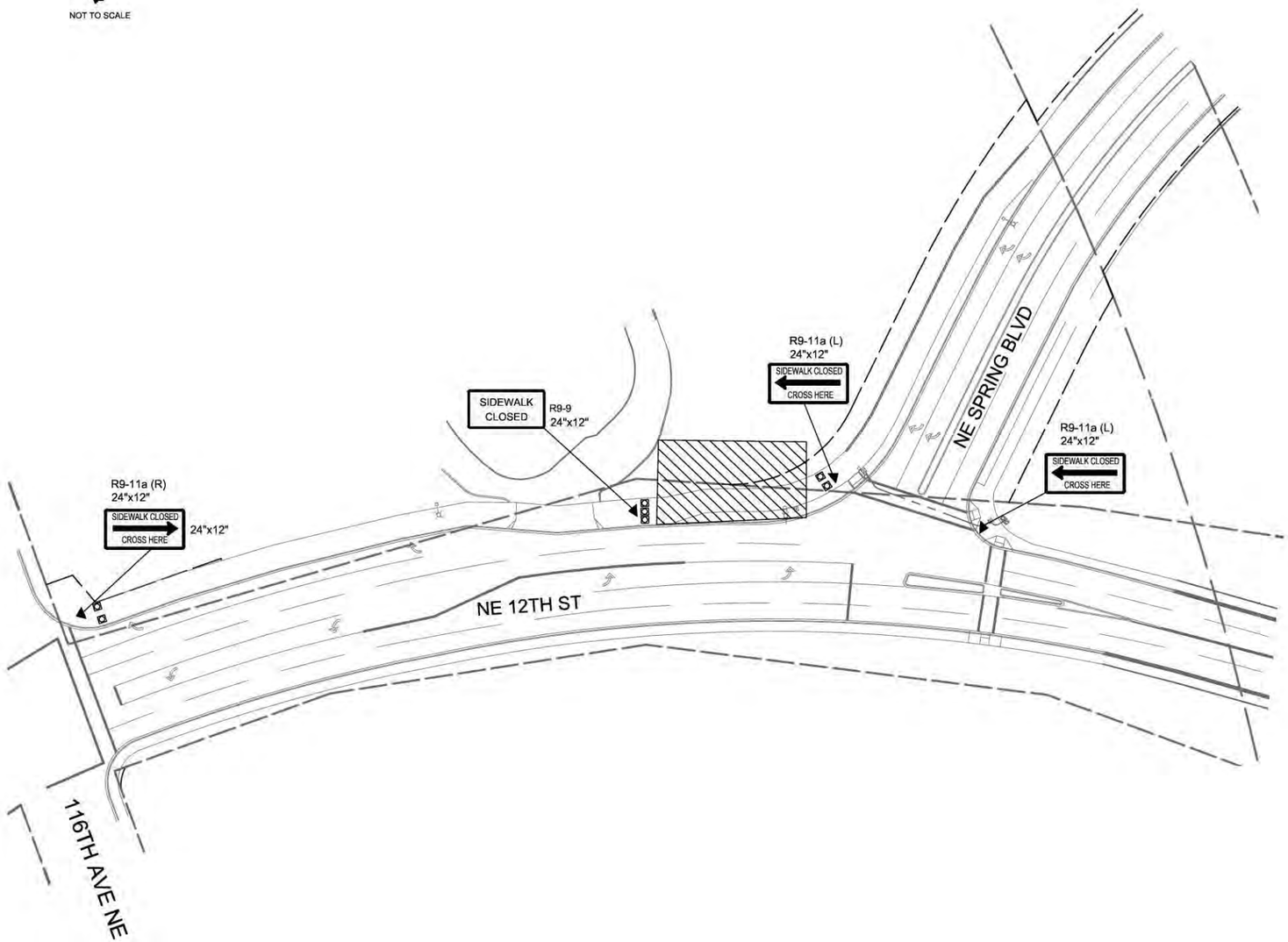
TRAFFIC CONTROL PLAN

TCP02 Sh 41 C 44

Issued 03/11/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

NOT TO SCALE



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	L		½ L		L		½ L		L		½ L		*1/3 L
MPH	Merging	Device	Shifting	Device	Merging	Device	Shifting	Device	Merging	Device	Shifting	Device	MPH / Length (Ft) / Device
20	70	5	35	3	75	5	40	3	80	5	40	3	20 / 25 / 3
25	105	6	55	4	115	7	60	4	125	7	65	4	25 / 35 / 3
30	150	8	75	5	165	9	85	5	180	10	90	5	30 / 50 / 3
35	205	8	105	5	225	9	115	5	245	9	125	5	35 / 70 / 4
40	270	10	135	6	295	11	150	6	320	12	160	6	40 / 90 / 4
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TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE

NO.	DATE	BY	APPR.	REVISIONS

GK/KP	08/25 DATE
DESIGNED BY	
GK	08/25 DATE
DRAWN BY	
KP	11/25 DATE
CHECKED BY	

City of Bellevue
Transportation Department

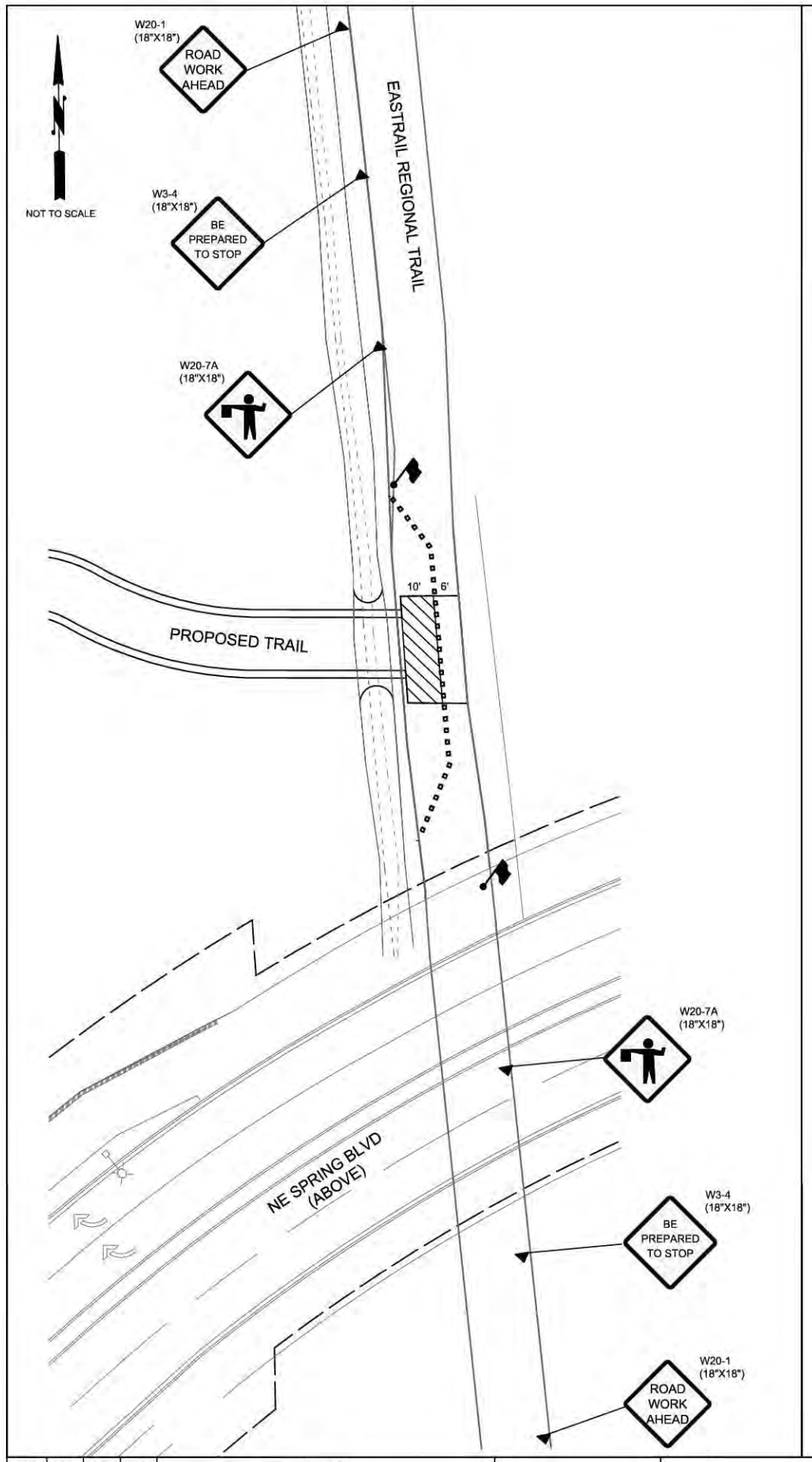
EASTRAIL TO NE SPRING BLVD TRAIL LINK

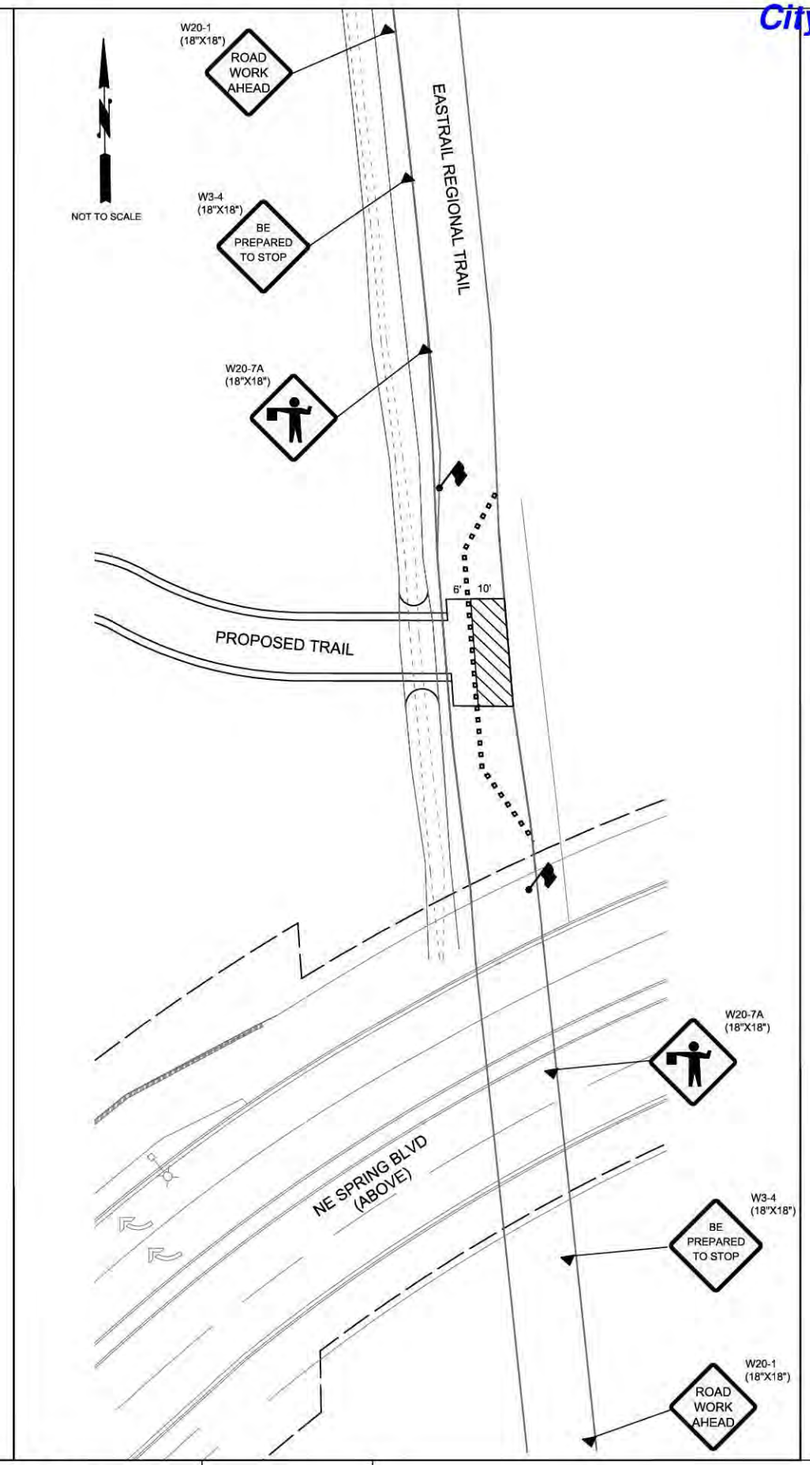
PEDESTRIAN DETOUR

TCP03 SHEET 42 OF 44

Issued 03/11/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal





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30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10' shoulder.

SIGN SPACING = X (FEET)		
Urban Arterials	35 MPH	350' +/-
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CHANNELIZING DEVICE SPACING (FEET)		
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50	40	80
35/45	30	60
25/30	20	40

TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE
- FLAGGER

NO.	DATE	BY	APPR.	REVISIONS

GK/KP 08/25 DESIGNED BY DATE
GK 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

PEDESTRIAN DETOUR

TCP04 SHEET 43 OF 44

Issued 03/11/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

City of Bellevue

Development Services • 450 110th Ave NE • Bellevue 98004

Permit and Inspection Record

Job Address: 11608 NE 12th St **Permit Number: 23 103210 GD**

Issued: 02/12/2026 **Start Work By: 02/12/2027** **Expires: 02/11/2029**

Type: Clearing & Grading
Occupancy Type: Nonresidential
Property Owner: BELLEVUE CITY OF
Applicant: Chris Masek
Project Name: COBT - Eastrail to NE Spring Blvd Tra
Phone: **(425) 452-4619**
Description: Currently, there is no formal connection between the Eastrail Trail and NE 12th Street. The project would provide a new 14-foot-wide paved trail that will meet Americans with Disabilities Act (ADA) standards. The total length of the proposed trail is approximately 850 feet. Improvements would include landscaping, irrigation, urban design, illumination, wetland mitigation, public art, wayfinding signage, site furnishings, and a retaining wall with railings.
Construction Lender: NONE
Phone:
Customer Survey? **No** Special Geotech Inspections Re **No**

Post this permit in a visible and accessible location at the job site and have the approved plans available for the inspector.

Inspection Scheduling Information

To schedule or cancel inspections by phone, call **425-452-6875**
or go to **MyBuildingPermit.com**

To get an estimated inspection time after the inspection is scheduled, call the appropriate number below.
*** **Do not call the following number(s) to schedule inspections** ***

(425) 452-4570:	**Building, Mechanical, Electrical, Plumbing, Clearing & Grading Inspections** - Call between 7 and 8 a.m. the morning of the inspection.
(425) 452-4254:	**Fire Department** - If a specific time is needed, please call at least one day in advance.
(425) 452-4188:	**Land Use Inspections** - After you schedule your inspection, a Planner will call to schedule an inspection time.
(425) 452-6966:	**Transportation Inspections** - Call between 7:30 and 8:30 a.m. the morning of the inspection.
(425) 452-6977:	**Utility Inspections**- After you schedule your inspection, a Utilities representative will call to set up an appointment time.

Permit Expiration
This permit will expire if -

- Work is not started by 02/12/2027
- Work ceases for 180 days or more
- Final inspection(s) approval is not obtained by 02/11/2029

There is limited ability to extend the expiration date.
Call 425-452-4570 if you have questions about permit expiration.

Occupancy

- You can not legally occupy the space until all final inspections are approved OR a Certificate of Occupancy is issued.
- The Certificate of Occupancy is required for all BB permits, and some BM and BY depending on the scope of work.
- Consult your inspector if you have questions about the occupancy requirements.

You are responsible for obtaining all the required inspections.

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

MBP Inspection Scheduling

City of Bellevue Inspection Record

DS Inspection Survey

Job Address: 11608 NE 12th St

Permit Number: 23 103210 GD

Related Job #: 23 103211 LO Tenant: Floor: Suite:

Contractors:

OWNER License: Phone:

Construction Contact: City of Bellevue Transportation Karen Chi Phone: (425) 452-5361

For each discipline, schedule inspections in order (read Left --> to --> Right, Top --> to --> Bottom).
Your project may not need all the listed inspections; ask your inspector.
All inspections must be approved or marked N/A by an inspector prior to requesting the final inspection.

Required Inspection	Inspector	Signoff Date	Required Inspection	Inspector	Signoff Date
100 ClGr-Precon/Jobcon			102 ClGr-Initial Erosion Cntl		
112 ClGr-Vegetatn Restoratn			114 ClGr-Rockery/Block Wall		
116 ClGr-Rockery Drain			120 ClGr-Wall Drain		
124 ClGr-Final					

All permits and inspection disciplines associated with a building permit - including electrical, mechanical, plumbing, fire suppression, clearing & grading, right of way use, utilities, and any required land use surveys - must have final inspection approval before you schedule the final inspection on the building permit.

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

City of Bellevue

Development Services
Clearing & Grading Permit Cover Sheet

VERY IMPORTANT

A PRINTED COPY OF ALL APPROVED DOCUMENTS MUST REMAIN ON THE JOB SITE AND BE AVAILABLE AT ALL TIMES FOR INSPECTORS.

CLEARING & GRADING

CITY OF BELLEVUE
DEVELOPMENT SERVICES DEPARTMENT
CLEARING & GRADING PERMIT
APPROVED AS CORRECTED

Subject to field inspection. Oversight or violations of city ordinances are not included in this approval. Call (425) 452-6875 or log into www.mybuildingpermit.com before beginning construction to schedule required pre-construction conference. Approval is for erosion control and Clearing & Grading provisions only.

Approved Date: 02/06/2026
Approved By: SUzunow

Additional erosion control may be required by the Clearing and Grading Inspector

Earthwork within tree root zone must be performed under the supervision of an arborist to minimize damage to tree roots

TREE PROTECTION IS REQUIRED FOR ALL TREES TO REMAIN IN THE VICINITY OF THE WORK AREA PER BMP T101, UNLESS APPROVED FOR REMOVAL UNDER SEPARATE PERMITS

A log book must be maintained on-site that includes a record of the implementation of CSWPPP, and updates to the CSWPPP or ESC Plan, installation and maintenance of BMPs, site inspections, and the results of any stormwater quality monitoring.

LAND USE

CITY OF BELLEVUE
DEVELOPMENT SERVICES DEPARTMENT
LAND USE APPROVAL
APPROVED AS CORRECTED
OVERSIGHT OR VIOLATIONS OF CITY ORDINANCES ARE NOT INCLUDED IN THIS APPROVAL.

DATE APPROVED: 02/09/2026
APPROVED BY:Drew Folsom Land Use DFolsom@bellevuewa.gov
425-452-4441

CONSTRUCTION NOISE
1. Do not operate any diesel, pneumatic, or gasoline-powered equipment that is not properly muffled or silenced.
2. Sounds created by construction activity are limited to the hours between 7 a.m. to 6 p.m. on weekdays and 9 a.m and 6 p.m. on Saturdays and prohibited on Sundays and other legal holidays. (See BCC 9.18)

Changes, modifications, and/or additions made in the field, to this proposal must first be approved IN WRITING through the revisions/additions process by all appropriate reviewing departments, prior to the implementation or construction of the changes on site.

TRANSPORTATION

CITY OF BELLEVUE
DEVELOPMENT SERVICES DEPARTMENT
TRANSPORTATION
APPROVED AS CORRECTED

SUBJECT TO FIELD INSPECTIONS OVERSIGHT OR VIOLATIONS OF CITY ORDIANCES ARE NOT INCLUDED IN THIS APPROVAL.

CALL 425-452-6875, TWO (2) BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION TO SCHEDULE REQUIRED PRE-CONSTRUCTION CONFERENCE.

DATE APPROVED: 12/17/2025
APPROVED BY: William Bou
Transportation Review
wbou@bellevuewa.gov
(425) 452 - 7910

UTILITIES

CITY OF BELLEVUE
UTILITIES DEPARTMENT
ENGINEERING DIVISION
APPROVED

DATE APPROVED: 05/08/2025
APPROVED BY: Roy Andresen
EMAIL: Randresen@bellevuewa.gov
PHONE: 425-452-5206

APPROVAL OF THE CLEAR & GRADE PERMIT ONLY.
All water, sewer & storm drainage design review, plan approval and field inspection shall be done through the developer Extension Agreement process (UE application).

PERMIT NUMBER: 23 103210 GD
PROJECT NAME: COBT - Eastrail to NE Spring Blvd Trail Link
SITE ADDRESS: 11608 NE 12th St

Check Permit Status
https://transact.mybuildingpermit.com/permitsearch/SimpleSearch.aspx

Share your feedback!
On your plan review experience: https://bellevuewa.gov/IssuedSurvey
On your Inspection experience: https://bellevuewa.gov/InspectionSurvey

Request an Inspection
By phone: (425) 452-6875
On line: https://transact.mybuildingpermit.com/inspection/default.aspx

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CONDITIONS OF APPROVAL

FOR CLEARING & GRADING PERMIT

AT LEAST TWENTY FOUR HOURS PRIOR TO STARTING WORK, CALL THE INSPECTION REQUEST LINE AT (425) 452-6875 TO SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE CLEARING & GRADING INSPECTOR.

OTHER MANDATORY INSPECTIONS are listed on the permit and will be determined at the preconstruction inspection with the Clearing & Grading Inspector. If, at any time, the site does not conform to City of Bellevue (COB) and State standards or is negatively impacting another site, City property or utility system, the City may issue a stop work notice and no authorized work may occur on the site until erosion control measures have been implemented or upgraded to the satisfaction of the City.

Issuance of this permit is for clearing & grading and land use purposes only and does not constitute approval of utility, transportation, or building permits that may be required by their respective codes are approved under other permits. Cancellation of the building permit(s) associated with this project shall cause cancellation of tis clearing and grading permit. Notification and cancellation of this permit shall not relieve the property owner/ contractors from obligations to comply with City ordinances for clearing, grading, and erosion control.

These plans and attached documents comprise a construction stormwater pollution prevention plan (CSWPPP), which is required by Bellevue's clearing and grading code and the NPDES Phase II Municipal Stormwater Permit. The CSWPPP must be modified whenever there is a change in the design, construction, operation, or maintenance at the construction site that has, or could have, a significant effect on the discharge of pollutants to waters of the state. Site inspection, BMP maintenance, water quality monitoring, etc., must be conducted and recorded as described in the CSWPPP narrative.

RAINY SEASON RESTRICTIONS:
This project is subject to work limitations during the rainy season, (October 1st through April 30th). Site work during the rainy season will be allowed only if it is determined that the proposal ensures slope stability and adequately protects receiving waters from increased erosion and sedimentation during construction.

☐ An exception to the rainy season restrictions has been granted by the clearing & grading reviewer, and is subject to the conditions include with the approval.

☑ An exception to the rainy season restrictions may be requested from the clearing & grading inspector during the pre-construction inspection, or during any other inspection prior to the start of the rainy season.

☐ Due to the critical nature of this site, no earthwork will be allowed during the rainy season.

☐ **AMENDED SOILS REQUIRED:**
This site must comply with Minimum Requirements #5, set for in Chapter 24.06.065; therefore, all soils in distributed areas that have not been covered by impervious surface, incorporated into a drainage facility, or engineered as structural fill or slope must be amended with organic matter. Amended soils must meet the specifications of BMP T5.13, as part of permanent site stabilization.

REMOVAL OF EXISTING SURVEY MONUMENTS:
Any person or entity responsible for an activity which may cause an existing survey monument to be disturbed shall be responsible for ensuring that the original survey point is perpetual. Therefore, the project Applicant or Contractor is required to engage the services of a Professional Land Surveyor, pursuant to WAC 332-120, to complete and file an Application for Permit to Remove or Destroy a Survey Monument with the Department of Natural Resources for all existing monuments that are subject to being disturbed, prior to construction of any improvements. Roadway centerline monuments shall be replaced in accordance with the City of Bellevue Standard Drawing DEV-12, (Cap Detail B).

NOISE RESTRICTIONS:
Contractors shall not operate any diesel, pneumatic, or gasoline powered equipment that is not properly muffle or silenced. Sounds created by construction equipment and emanating from the construction site are limited to the hours of between 7:00 AM and 6:00 PM on weekdays, 9:00 AM and 6:00 PM on Saturdays, and are prohibited on Sundays and Legal Holidays. (BCC 9.18)

OTHER SPECIAL CONDITIONS:

A building permit is required for construction of walls shown on the civil plans.

STANDARD NOTES

1. All clearing & grading construction must be in accordance with City of Bellevue (COB) *Clearing & Grading Code, Clearing & Grading Development Standards, Land Use Code Uniform Building Code,* permit conditions, and all other applicable codes, ordinances, and standards. The design elements within these plans have been reviewed according to these requirements. Any variance from adopted erosion control standards is not allowed unless specifically approved by the City of Bellevue Development Services (DSD) prior to construction.
2. Approval of this erosion/sedimentation control (ESC) plan does not constitute an approval of permanent road or drainage design (e.g., size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).
3. A copy of the approved plans and drawings must be on-site during construction. The applicant is responsible for obtaining any other required or related permits prior to beginning construction.
4. The implementation of these ESC plans and the construction, maintenance, replacement, and upgrading of these ESC facilities is the responsibility of the applicant/contractor until all construction is completed and approved and vegetation/landscaping is established.
5. The ESC facilities shown on this plan must be construction in conjunction with all clearing and grading activities, and in such a manner as to insure that sediment and sediment laden water do not enter the drainage system, roadways, or violate applicable water standards.
6. The ESC facilities shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these ESC facilities shall be upgraded as needed for unexpected storm events and to ensure that sediment and sediment laden water do not leave the site.
7. All locations of existing utilities have been established by field survey or obtained from available records and should, therefore, be considered only approximate and not necessarily complete. It is the sole responsibility of the contractor to independently verify the accuracy of all utility locations and to discover and avoid any other utilities not shown which may be affected by the implementation of this plan.
8. The boundaries of the clearing limits shown on this plan shall be clearly flagged in the field prior to construction. During the construction period, no disturbance beyond the flagged clearing limits shall be permitted. The flagging shall be maintained by the applicant/contractor for the duration of construction.
9. Clearing shall be limited to the areas within the approved disturbance limits. Exposed soils must be covered at the end of each working day when working from October 1st through April 30th. From May 1st through September 30th, exposed soils must be covered at the end of each construction week and also at the threat of rain.
10. At no time shall more than one foot of sediment be allowed to accumulate within a trapped catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment laden water into the downstream system.
11. Stabilized construction entrances shall be installed at the beginning of construction and maintained for the duration of the project.
12. The contractor must maintain a sweeper on site during earthwork and immediately remove soil that has been tracked onto paved areas as a result of construction.
13. The ESC facilities shall be inspected daily by the applicant/contractor and maintained as necessary to ensure their continued functioning.
14. Any excavated material removed from the construction site and deposited on property within the City limits must be done in compliance with a valid clearing & grading permit. Locations for the mobilization area and stockpiled material must be approved by the Clearing and Grading Inspector at least 24 hours in advance of any stockpiling.
15. The ESC facilities on inactive sites shall be inspected and maintained a minimum of once a month or within the 48 hours following a major storm event.
16. Final site grading must direct drainage away from all building structures at a minimum 5% slope, per the *International Residential Code (IRC) R401.3.*

CONTACT INFORMATION:

Emergency Contact: Chris Masek

Phone No.: (425) 452-4619

Clearing & Grading Inspector:

Inspector's Office Phone No.:

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Construction Stormwater Pollution Prevention Plan (CSWPPP) Worksheet for Construction Projects

Background Information

Applicant: Chris Masek

Property Owner, if different from Applicant: City of Bellevue, Transportation Department

Contact Person: Chris Masek
All questions and correspondence will be directed to the individual listed as Contact Person.

Address of Contact 450 110th Ave NE, Bellevue, WA 98004

Person: Phone Number: 425-452-4619

Project Title: Eastrail to NE Spring Blvd Trail Link

Site Address: NE 12 St and Spring Blvd 11608 NE 12th St.

Parcel Number: 2825059015

Give an accurate, brief description of the proposed project's scope and nature:

1. General description:

Construct new 14' wide trail connection between Eastrail and the intersection of NE 12 St and Spring Blvd. The project includes grading, wall construction, storm drainage improvements, lighting, railings, fences, wetland mitigation, landscaping and irrigation.

2. Area of site (square feet): 62,000 SF
3. Proposed area of land disturbance (square feet): 62,000 SF
4. Proposed quantity of excavation (cubic yards): 4500 CY
5. Proposed quantity of fill (cubic yards): 16,000 SY
6. Total proposed impervious area to be constructed (square feet) 13,027 SF
7. Existing site conditions including descriptions of existing topography, existing vegetation, and existing drainage:

The existing site is a remnant parcel acquired for the Spring Blvd Project. The project site slopes downward to the east, with moderate to steep slopes. The site generally slopes downwards from 190 feet above mean sea level (AMSL) at NE 12th St to 155 feet AMSL at the tie in to the Eastrail Trail. The southwestern edge of the project site has a 13 percent slope leading from the southwest to the middle of the site. The western edge of the project site contains a 20 percent slope. The northern half of the project site is relatively flat to the east of toe of the 20 percent slope to the west.

The project site has trees and landscaping. The existing site drains to a ditch and wetland that parallels Eastrail.

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8. Description of site soils including soil unit, erodibility, settleability, permeability, depth, texture, and soil structure:

The mapped soil hydrologic group, according to the United States Department of Agriculture web soil survey is Alderwood gravelly sandy loam, 8 to 15 percent slopes. Alderwood gravelly loams are typically formed from glacial drift and/or glacial outwash over dense glaciomarine deposits and are found in ridges and hills. These soils are classified as moderately well drained with an average depth to water table at 18 to 37 inches. These soils are classified by the Soil Conservation Survey as Hydrologic Group B and as prime farmland if irrigated. Alderwood gravelly sandy loam is not rated as a hydric soil.

The site is within a developed area; therefore, localized fill soils, or native soils reworked during development are present at the project site. Additionally, the southwestern corner of the project area was previously used as a construction staging area for the construction of NE Spring Boulevard. This area has been terraced and planted with native vegetation.

9. Description of adjacent areas which may be affected by site disturbance (i.e. streams, lakes, wetlands, residential areas, roads)

The Watershed Company has identified (and DEA has verified) one category III palustrine emergent / palustrine forested wetland located along the eastern edge of the subject parcel along the Eastrail Trail. This wetland appears to receive water from runoff, stormwater retention ponds, and a stormwater ditch.

Approximately 226 square feet of direct wetland impacts, and 19,309 square feet of wetland buffer impacts will result from constructing the trail

The project will mitigate impacts to the wetland and wetland buffer.

10. Description of critical areas that are on or adjacent to the site.

There are existing wetlands located on the east side of the project site parallel to Eastrail Trail. There are a few steep slopes on the southwest side of the project limits.

11. Describe potential erosion problems on site.

Exposed soils during construction could erode and impact the wetland and/or the storm drainage system.

12. Describe the intended sequence and timing of construction activities and any proposed construction phasing.

The intended sequence is as follows: remove trees, clearing and grubbing, wall construction, storm utility installation, street lighting installation, trail paving, wetland mitigation, landscaping and irrigation installation.

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13. Describe the construction schedule

The exact construction schedule will be determined by the contractor. The construction work is anticipated to start in the early spring 2024 and anticipated to take 100 working days.

14. Describe ownership and financial obligations for the project. Include bond forms and other evidence of financial responsibility for environmental liabilities associated with construction.

There are no known ownership or financial obligations for this project. The parcel is owned by the City of Bellevue. An easement will be obtained from Sound Transit to connect the trail to Eastrail.

15. Engineering calculations for design of sediment ponds, diversion, waterways, etc. Also include calculations for runoff and stormwater detention design, if applicable.

There are no engineering calculations for the construction of sediment ponds, diversion, waterways, or stormwater detention because they are not triggered by or included in the scope of this project.

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SECTION ONE: CSWPPP NARRATIVE

EROSION CONTROL ELEMENT # 1 – Preserve Vegetation/Mark Clearing Limits.

Requirements – Preserve Vegetation/Mark Clearing Limits

1. Before beginning land disturbing activities, including clearing and grading, clearly mark all clearing limits, sensitive areas and their buffers, and trees that are to be preserved within the construction area.
2. Retain the duff layer, native top soil, and natural vegetation in an undisturbed state to the maximum degree practical

Additional Guidance

- Plastic, metal, or fabric fence may be used to mark the clearing limits. [Note: the difference between the practical use and proper installation of silt fencing and the proper use of clearing boundary fencing.]
- If it is not practical to retain the duff layer in place, then stockpile it on-site, cover it to prevent erosion, and replace it immediately when you finish disturbing the site.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the Applicant's site, to meet the erosion control requirements listed above.

- [x] Preserve existing vegetation – BMP C 101
- [ ] Buffer Zones – BMP C102
- [x] High Visibility Fence – BMP C103
- [x] Tree Protection During Construction – BMP T101
- [ ] Other
- [ ] Not Applicable – See explanation below

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf

Note: The BMPs that the Contractor selects to address the "Mark Clearing Limits" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The limits of the clearing and trees to be removed/retained will be marked in the field prior to the start of construction. Any vegetation and trees to remain within the project limits will be protected by the BMP's checked above.

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EROSION CONTROL ELEMENT # 2 - Establish Construction Access.

Requirements – Establish Construction Access

1. Limit construction vehicle access and exit to one route, if possible.
2. Stabilize access points with a pad of quarry spalls, crushed rock, or other equivalent BMPs, to minimize tracking sediment onto roads
3. Locate wheel wash or tire baths on site, if the stabilized construction entrance is not effective in preventing tracking sediment onto roads.
4. If sediment is tracked off site, clean the affected roadway thoroughly at the end of each day, or more frequently as necessary (for example, during wet weather). Remove sediment from roads by shoveling, sweeping, or pick up and transport the sediment to a controlled sediment disposal area.
5. Conduct street washing only after sediment is removed in accordance with the above bullet.
6. Control street wash wastewater by pumping back on site or otherwise preventing it from discharging into systems tributary to waters of the State.

Additional Guidance

- Minimize construction site access points along linear projects, such as roadways. Street washing may require local jurisdiction approval.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Stabilized Construction Entrance / Exit – BMP C105
- [x] Wheel Wash – BMP C106
- [ ] Construction Road/Parking Area Stabilization – BMP C107
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Establish Construction Access" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

A construction access point will need to be established on the NW corner of NE 12 St and Spring Blvd. The BMP's checked above may be used to keep sediment and soil on the project site.

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EROSION CONTROL ELEMENT # 3 - Control Flow Rates.

Requirements – Control Flow Rates

1. Protect properties and waterways downstream of development sites from erosion and the associated discharge of turbid waters due to increases in the velocity and peak volumetric flow rate of stormwater runoff from the project site, as required by local plan approval authority.
2. Where necessary to comply with the bullet above, construct stormwater retention or detention facilities as one of the first steps in grading. Assure that detention facilities function properly before constructing site improvements (e.g. impervious surfaces).
3. If permanent infiltration ponds are used for flow control during construction, protect these facilities from siltation during the construction phase.

Additional Guidance

- Conduct downstream analysis if changes in off-site flows could impair or alter conveyance systems, streambanks, bed sediment, or aquatic habitat. See Volume I, Chapter 3 for off-site analysis guidelines.
- Even gently sloped areas need flow controls such as straw wattles or other energy dissipation / filtration structures. Place dissipation facilities closer together on steeper slopes. These methods prevent water from building higher velocities as it flows downstream within the construction site.
- Outlet structures designed for permanent detention ponds are not appropriate for use during construction without modification. If used during construction, install an outlet structure that will allow for longterm storage of runoff and enable sediment to settle. Verify that the pond is sized appropriately for this purpose. Restore ponds to their original design dimensions, remove sediment, and install a final outlet structure at completion of the project.
- Erosion has the potential to occur because of increases in the volume, velocity, and peak flow rate of stormwater runoff from the project site. The local permitting agency may require pond designs that provide additional or different stormwater flow control. These requirements may be necessary to address local conditions or to protect properties and waterways downstream.
- Sites that must implement flow control for the developed site condition must also control stormwater release rates during construction. Construction site stormwater discharges shall not exceed the discharge durations of the pre-developed condition for the range of predeveloped discharge rates from ½ of the 2-year flow through the 10- year flow as predicted by an approved continuous runoff model. The pre-developed condition to be matched shall be the land cover condition immediately prior to the development project. This restriction on release rates can affect the size of the storage pond and treatment cells.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Sediment trap – BMP C240
- ☐ Temporary Sediment Pond – C241
- ☐ Other
- ☑ Not Applicable – See explanation below.

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Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the contractor selects to control the "Control Flow Rates" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

Does not apply because storm water retention and detention facilities are not part of the proposed project.

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EROSION CONTROL ELEMENT # 4 - Install Sediment Controls.

Requirements – Install Sediment Controls

The Permittee must design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, the Permittee must design, install and maintain such controls to:

1. Construct sediment control BMPs (sediment ponds, traps, filters, etc.) as one of the first steps in grading. These BMPs shall be functional before other land disturbing activities take place.
2. Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site.
3. Direct stormwater runoff from disturbed areas through a sediment pond or other appropriate sediment removal BMP, before the runoff leaves a construction site or before discharge to an infiltration facility. Runoff from fully stabilized areas may be discharged without a sediment removal BMP, but must meet the flow control performance standard in Element #3, bullet #1.
4. Locate BMPs intended to trap sediment on site in a manner to avoid interference with the movement of juvenile salmonids attempting to enter off-channel areas or drainages.
5. Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal, and maximize stormwater infiltration, unless infeasible.
6. Where feasible, design outlet structures that withdraw impounded stormwater from the surface to avoid discharging sediment that is still suspended lower in the water column.

Additional Guidance

- Outlet structures that withdraw impounded stormwater from the surface to avoid discharging sediment that is still suspended lower in the water column are for the construction period only. If the pond using the construction outlet control is used for permanent stormwater controls, the appropriate outlet structure must be installed after the soil disturbance has ended.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Brush Barrier – BMP C231
- ☐ Gravel Filter Berm – BMP C232
- ☑ Silt Fence – BMP C233
- ☐ Vegetated strip – BMP C234
- ☑ Wattles – BMP C235
- ☐ Sediment Trap –BMP C240
- ☐ Temporary Sediment Pond – BMP C241

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- ☐ Construction Stormwater Chemical Treatment – BMP C250
- ☐ Construction Stormwater Filtration – BMP C251
- ☑ Other
- ☐ Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the contractor selects to control the "Install Sediment Controls" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

Silt Fence keep sediment from migrating off the project site.

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EROSION CONTROL ELEMENT # 5 - Stabilize Soils

Requirements – Stabilize Soils

1. Stabilize exposed and unworked soils by application of effective BMPs that prevent erosion. Applicable BMPs include, but are not limited to: temporary and permanent seeding, sodding, mulching, plastic covering, erosion control fabrics and matting, soil application of polyacrylamide (PAM), the early application of gravel base early on areas to be paved, and dust control.
2. Control stormwater volume and velocity within the site to minimize soil erosion.
3. Control stormwater discharges, including both peak flow rates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion
4. Soils must not remain exposed and unworked for more than the time periods set forth below to prevent erosion.
   - During the dry season (May 1 - Sept. 30): 7 days.
   - During the wet season (October 1 - April 30): 2 days.
5. Stabilize soils at the end of the shift before a holiday or weekend if needed based on the weather forecast.
6. Stabilize soil stockpiles from erosion, protect with sediment trapping measures, and where possible, be located away from storm drain inlets, waterways, and drainage channels.
7. Minimize the amount of soil exposed during construction activity.
8. Minimize the disturbance of steep slopes.
9. Minimize soil compaction and, unless infeasible, preserve topsoil.

Additional Guidance

- Soils must not remain exposed and unworked for more than the time periods set forth above to prevent erosion for linear projects.
- Soil stabilization measures should be appropriate for the time of year, site conditions, estimated duration of use, and potential water quality impacts that stabilization agents may have on downstream waters or ground water.
- Ensure that gravel base used for stabilization is clean and does not contain fines or sediment.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the site, to meet the erosion control requirements listed above.

☐ Temporary & Permanent Seeding – BMP C120
☐ Mulching – BMP C121
☐ Nets & blankets – BMP C122

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Issued 02/12/2026

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- [x] Plastic Covering – BMP C123
- [ ] Sodding – BMP C124
- [ ] Topsoiling / Composting– BMP C125
- [ ] Polyacrylamide (PAM) for Soil Erosion Protection – BMP C126
- [ ] Surface Roughening – BMP C130
- [ ] Gradient Terraces – BMP C131
- [x] Dust Control – BMP C140
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Stabilize Soils" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor shall stabilize all soils and slopes at the end of the day. The slopes shall not remained uncovered longer than the durations listed above. Plastic covering will be used to protect and stabilize exposed slopes at the end of the work day, during rain events, and over weekends/holidays.

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EROSION CONTROL ELEMENT # 6 - Protect Slopes

Requirements – Protect Slopes

1. Design and construct cut-and-fill slopes in a manner to minimize erosion. Applicable practices include, but are not limited to, reducing continuous length of slope with terracing and diversions, reducing slope steepness, and roughening slope surfaces (for example, track walking).
2. Divert off-site stormwater (run-on) or ground water away from slopes and disturbed areas with interceptor dikes, pipes, and/or swales. Offsite stormwater should be managed separately from stormwater generated on the site.
3. At the top of slopes, collect drainage in pipe slope drains or protected channels to prevent erosion.
    - Temporary pipe slope drains must handle the peak volumetric flow rate calculated using a 10-minute time step from a Type 1A, 10- year, 24-hour frequency storm for the developed condition. Alternatively, the 10-year, 1-hour flow rate predicted by an approved continuous runoff model, increased by a factor of 1.6, may be used. The hydrologic analysis must use the existing land cover condition for predicting flow rates from tributary areas outside the project limits. For tributary areas on the project site, the analysis must use the temporary or permanent project land cover condition, whichever will produce the highest flow rates. If using the Western Washington Hydrology Model (WWHM) to predict flows, bare soil areas should be modeled as "landscaped" area.
4. Place excavated material on the uphill side of trenches, consistent with safety and space considerations.
5. Place check dams at regular intervals within constructed channels that are cut down a slope.

Additional Guidance

- Where 15-minute time steps are available in an approved continuous runoff model, they may be used directly without a correction factor.
- Consider soil type and its potential for erosion. • Stabilize soils on slopes, as specified in Element #5.
- BMP combinations are the most effective method of protecting slopes with disturbed soils. For example use both mulching and straw erosion control blankets in combination.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the site, to meet the erosion control requirements listed above.

- ☐ Temporary & permanent seeding – BMP C120
- ☐ Nets & blankets – BMP C122
- ☑ Plastic Covering – BMP C123
- ☐ Surface Roughening – BMP C130
- ☐ Gradient Terraces – BMP C131

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- ☐ Interceptor Dike and Swale – BMP C200
- ☐ Pipe Slope Drains – BMP C204
- ☐ Subsurface Drains – BMP C205
- ☐ Level Spreader – BMP C206
- ☐ Other
- ☐ Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Protect Slopes" erosion control element of your project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor will protect the exposed slopes with plastic covering at the end of the work day, during rain events, and over weekends/holidays.

EROSION CONTROL ELEMENT # 7 - Protect Drain Inlets

Requirements – Protect Drain Inlets

1. Protect all storm drain inlets made operable during construction so that stormwater runoff does not enter the conveyance system without first being filtered or treated to remove sediment.
2. Clean or remove and replace inlet protection devices when sediment has filled one-third of the available storage (unless a different standard is specified by the product manufacturer).

Additional Guidance

- Where possible, protect all existing storm drain inlets so that stormwater runoff does not enter the conveyance system without first being filtered or treated to remove sediment.
- Keep all approach roads clean. Do not allow sediment and street wash water to enter storm drains without prior and adequate treatment unless treatment is provided before the storm drain discharges to waters of the State.
- Inlets should be inspected weekly at a minimum and daily during storm events.

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Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the site, to meet the erosion control requirements listed above.

- [x] Storm drain inlet protection – BMP C220
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Protect Drain Inlets" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

All existing catch basins and drainage structures shall have a catch basin insert installed in them within the limits of the project and just outside of the project limits. The contractor will ensure that the inserts do not become clogged and are properly maintained during construction.

ELEMENT # 8 - Stabilize Channel and Outlets.

Requirements – Stabilize Channel Outlets

1. Design, construct, and stabilize all on-site conveyance channels to prevent erosion from the following expected peak flows:
   - Channels must handle the peak volumetric flow rate calculated using a 10-minute time step from a Type 1A, 10-year, 24-hour frequency storm for the developed condition. Alternatively, the 10- year, 1-hour flow rate indicated by an approved continuous runoff model, increased by a factor of 1.6, may be used. The hydrologic analysis must use the existing land cover condition for predicting flow rates from tributary areas outside the project limits. For tributary areas on the project site, the analysis must use the temporary or permanent project land cover condition, whichever will produce the highest flow rates. If using the Western Washington Hydrology Model (WWHM) to predict flows, bare soil areas should be modeled as "landscaped area.
2. Provide stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent streambanks, slopes, and downstream reaches at the outlets of all conveyance systems.

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Additional Guidance

- The best method for stabilizing channels is to completely line the channel with a blanket product first, then add check dams as necessary to function as an anchor and to slow the flow of water.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Channel lining – BMP C202
- [x] Outlet protection – BMP C209
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Stabilize Channel and Outlets" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor shall stabilize the existing channel as needed with the BMP's above to prevent the erosion of the existing channels.

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EROSION CONTROL ELEMENT # 9 - Control Pollutants.

Requirements – Control Pollutants

1. Design, install, implement and maintain effective pollution prevention measures to minimize the discharge of pollutants.6
2. Handle and dispose of all pollutants, including waste materials and demolition debris that occur on-site in a manner that does not cause contamination of stormwater
3. Provide cover, containment, and protection from vandalism for all chemicals, liquid products, petroleum products, and other materials that have the potential to pose a threat to human health or the environment. On-site fueling tanks must include secondary containment. Secondary containment means placing tanks or containers within an impervious structure capable of containing 110% of the volume contained in the largest tank within the containment structure. Double-walled tanks do not require additional secondary containment.
4. Conduct maintenance, fueling, and repair of heavy equipment and vehicles using spill prevention and control measures. Clean contaminated surfaces immediately following any spill incident.
5. Discharge wheel wash or tire bath wastewater to a separate on-site treatment system that prevents discharge to surface water, such as closed-loop recirculation or upland land application, or to the sanitary sewer, with local sewer district approval.
6. Apply fertilizers and pesticides in a manner and at application rates that will not result in loss of chemical to stormwater runoff. Follow manufacturers' label requirements for application rates and procedures.
7. Use BMPs to prevent contamination of stormwater runoff by pH modifying sources. The sources for this contamination include, but are not limited to: bulk cement, cement kiln dust, fly ash, new concrete washing and curing waters, waste streams generated from concrete grinding and sawing, exposed aggregate processes, dewatering concrete vaults, concrete pumping and mixer washout waters.
8. Adjust the pH of stormwater if necessary to prevent violations of the water quality standards.

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9. Assure that washout of concrete trucks is performed off-site or in designated concrete washout areas only. Do not wash out concrete trucks onto the ground, or into storm drains, open ditches, streets, or streams. Do not dump excess concrete on site, except in designated concrete washout areas. Concrete spillage or concrete discharge to surface waters of the State is prohibited.
10. Obtain written approval from Ecology before using chemical treatment other than CO2 or dry ice to adjust pH

Additional Guidance

- Wheel wash or tire bath wastewater should not include wastewater from concrete washout areas.
- Do not use upland land applications for discharging wastewater from concrete washout areas.
- Woody debris may be chopped and spread on site

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Concrete Handling – BMP C151
- [x] Sawcutting and Surfacing Pollution Prevention – BMP C152
- [x] Material Delivery, Storage Containment – BMP C153
- [ ] Concrete Washout Area – C154
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Control Pollutants" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The BMP's above will be used to control pollutants and ensure that they don't leave the project site. The contractor will be responsible for maintaining all BMP's so that they work properly.

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EROSION CONTROL ELEMENT # 10 - Control De-Watering.

Requirements – Control De-Watering

1. Discharge foundation, vault, and trench dewatering water, which have characteristics similar to stormwater runoff at the site, into a controlled conveyance system before discharge to a sediment trap or sediment pond.
2. Discharge clean, non-turbid de-watering water, such as well-point ground water, to systems tributary to, or directly into surface waters of the State, as specified in Element #8, provided the de-watering flow does not cause erosion or flooding of receiving waters or interfere with the operation of the system. Do not route clean dewatering water through stormwater sediment ponds. Note that "surface waters of the State" may exist on a construction site as well as off site; for example, a creek running through a site.
3. Handle highly turbid or contaminated dewatering water separately from stormwater.
4. Other treatment or disposal options may include:
   - Infiltration.
   - Transport off-site in a vehicle, such as a vacuum flush truck, for legal disposal in a manner that does not pollute state waters.
   - Ecology-approved on-site chemical treatment or other suitable treatment technologies.
   - Sanitary sewer discharge with Metro and City of Bellevue approval, if there is no other option.
   - Use of a sedimentation bag with outfall to a ditch or swale for small volumes of localized dewatering

Additional Guidance

- Channels must be stabilized, as specified in Element #8.
- Construction equipment operation, clamshell digging, concrete tremie pour, or work inside a cofferdam can create highly turbid or contaminated dewatering water.
- Discharging sediment-laden (muddy) water into waters of the State likely constitutes violation of water quality standards for turbidity. The easiest way to avoid discharging muddy water is through infiltration and preserving vegetation.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Level Spreader – BMP C206
- ☐ Infiltration (Provide details below and on TESC plan below and on the TESC plan.)
- ☐ Discharge to sanitary sewer (KC METRO and Bellevue Utilities permits required) – List permit numbers
- ☐ BMP C203 – Water Bars
- ☐ BMP C236 – Vegetative Filtration
- ☐ Other
- ☑ Not Applicable – See explanation below.

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Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Control De-watering" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

This does not apply because there is no dewatering associated with this project.

EROSION CONTROL ELEMENT # 11 - Maintain BMPs.

Requirements – Maintain BMPs

1. Maintain and repair all temporary and permanent erosion and sediment control BMPs as needed to assure continued performance of their intended function in accordance with BMP specifications.
2. Remove all temporary erosion and sediment control BMPs within 30 days after achieving final site stabilization or after the temporary BMPs are no longer needed.

Additional Guidance

- Note: Some temporary erosion and sediment control BMPs are biodegradable and designed to remain in place following construction such as compost socks.
- Provide protection to all BMPs installed for the permanent control of stormwater from sediment and compaction. All BMPs that are to remain in place following completion of construction shall be examined and placed in full operating conditions. If sediment enters the BMPs during construction, it shall be removed and the facility shall be returned to the conditions specified in the construction documents.
- Remove or stabilize trapped sediment on site. Permanently stabilize disturbed soil resulting from removal of BMPs or vegetation.

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Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Maintain and repair in accordance with BMP specifications
- [ ] BMP C150 – Materials On Hand
- [ ] BMP C160 – Certified Erosion and Sediment Control Lead
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Maintain BMPs" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor shall be responsible for installing and maintaining every BMP that is used during construction in accordance with this CSWPPP throughout the project.

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EROSION CONTROL ELEMENT # 12 - Manage the Project.

Requirements – Manage the Project

1. Phase development projects to the maximum degree practicable and take into account seasonal work limits.
2. Inspection and monitoring – Inspect, maintain, and repair all BMPs as needed to assure continued performance of their intended function. Conduct site inspections and monitoring in accordance with the Construction Stormwater General Permit or local plan approval authority.
3. Maintaining an updated construction SWPPP – Maintain, update, and implement the SWPPP in accordance with the Construction Stormwater General Permit.
4. Projects that disturb one or more acres must have, site inspections conducted by a Certified Erosion and Sediment Control Lead (CESCL). Project sites less than one acre (not part of a larger common plan of development or sale) may have a person without CESCL certification conduct inspections. By the initiation of construction, the SWPPP must identify the CESCL or inspector, who shall be present on-site or on-call at all times.

Additional Guidance for Site Inspections

- The CESCL or inspector (project sites less than one acre) must have the skills to assess the:
  - Site conditions and construction activities that could impact the quality of stormwater.
  - Effectiveness of erosion and sediment control measures used to control the quality of stormwater discharges..
- The CESCL or inspector must examine stormwater visually for the presence of suspended sediment, turbidity, discoloration, and oil sheen. They must evaluate the effectiveness of BMPs and determine if it is necessary to install, maintain, or repair BMPs to improve the quality of stormwater discharges.

  Based on the results of the inspection, construction site operators must correct the problems identified by:
- Reviewing the SWPPP for compliance with the 13 construction SWPPP elements and making appropriate revisions within 7 days of the inspection.
- Immediately beginning the process of fully implementing and maintaining appropriate source control and/or treatment BMPs as soon as possible, addressing the problems no later than within 10 days of the inspection. If installation of necessary treatment BMPs is not feasible within 10 days, the construction site operator may request an extension within the initial 10-day response period.
- Documenting BMP implementation and maintenance in the site log book (applies only to sites that have coverage under the Construction Stormwater General Permit).
- The CESCL or inspector must inspect all areas disturbed by construction activities, all BMPs, and all stormwater discharge points at least once every calendar week and within 24 hours of any discharge from the site. (For purposes of this condition,

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individual discharge events that last more than one day do not require daily inspections. For example, if a stormwater pond discharges continuously over the course of a week, only one inspection is required that week.) The CESCL or inspector may reduce the inspection frequency for temporary stabilized, inactive sites to once every calendar month

Additional Guidance

- Phasing of Construction.

  Phase development projects where feasible in order to prevent soil erosion and, to the maximum extent practical, and prevent transporting sediment from the site during construction. Revegetate exposed areas and maintain that vegetation as an integral part of the clearing activities for any phase.

  Clearing and grading activities for developments shall be permitted only if conducted using an approved site development plan (e.g., subdivision approval) that establishes permitted areas of clearing, grading, cutting, and filling. Minimize removing trees and disturbing or compacting native soils when establishing permitted clearing and grading areas. Show on the site plans and the development site permitted clearing and grading areas and any other areas required to preserve critical or sensitive areas, buffers, native growth protection easements, or tree retention areas as may be required by local jurisdictions

- Seasonal Work Limitations

  From October 1 through April 30, clearing, grading, and other soil disturbing activities is permitted only if shown to the satisfaction of the local permitting authority that the site operator will prevent siltladen runoff from leaving the site through a combination of the following:

  1. Site conditions including existing vegetative coverage, slope, soil type, and proximity to receiving waters.
  2. Limit activities and the extent of disturbed areas.
  3. Proposed erosion and sediment control measures.

  Based on the information provided and/or local weather conditions, the local permitting authority may expand or restrict the seasonal limitation on site disturbance. The local permitting authority has the authority to take enforcement action –such as a notice of violation, administrative order, penalty, or stop-work order under the following circumstances:

- If, during the course of any construction activity or soil disturbance during the seasonal limitation period, sediment leaves the construction site causing a violation of the surface water quality standard; or
- If clearing and grading limits or erosion and sediment control measures shown in the approved plan are not maintained.

  The following activities are exempt from the seasonal clearing and grading limitations:

  1. Routine maintenance and necessary repair of erosion and sediment control BMPs;
  2. Routine maintenance of public facilities or existing utility structures that do not expose the soil or result in the removal of the vegetative cover to soil.
  3. Activities where there is one hundred percent infiltration of surface water runoff within the site in approved and installed erosion and sediment control facilities.

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- Coordination with Utilities and Other Contractors The primary project proponent shall evaluate, with input from utilities and other contractors, the stormwater management requirements for the entire project, including the utilities, when preparing the Construction SWPPP. Inspection and Monitoring

  All BMPs must be inspected, maintained, and repaired as needed to assure continued performance of their intended function. Site inspections must be conducted by a person knowledgeable in the principles and practices of erosion and sediment control. The person must have the skills to 1) assess the site conditions and construction activities that could impact the quality of stormwater, and 2) assess the effectiveness of erosion and sediment control measures used to control the quality of stormwater discharges.

  For construction sites one acre or larger that discharge stormwater to surface waters of the state, a CESCL must be identified in the construction SWPPP; this person must be on-site or on-call at all times. Certification must be obtained through an approved training program that meets the erosion and sediment control training standards established by Ecology.

  Appropriate BMPs or design changes shall be implemented as soon as possible whenever inspection and/or monitoring reveals that the BMPs identified in the Construction SWPPP are inadequate, due to the actual discharge of /or potential to discharge a significant amount of any pollutant.

- Maintaining an Updated Construction SWPPP

  Retain the Construction SWPPP on-site or within reasonable access to the site. Modify the SWPPP whenever there is a change in the design, construction, operation, or maintenance at the construction site that has, or could have, a significant effect on the discharge of pollutants to waters of the state.

The SWPPP must be modified if, during inspections or investigations conducted by the owner/operator, or the applicable local or state regulatory authority, it is determined that the SWPPP is ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the site. Modify the SWPPP as necessary to include additional or modified BMPs designed to correct problems identified. Complete revisions to the SWPPP within seven (7) days following the inspection

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] BMP C150 – Materials On Hand
- [x] BMP C160 – Certified Erosion and Sediment Control Lead
- [ ] BMP C162 – Scheduling
- [ ] Other

Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to implement the "Manage the Project" erosion control element of the project need to be shown or added as a note on the TESC plan.

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Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

See elements 1-12 above for the checked BMP's to be used on this project to meet the erosion control requirements listed above.

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ELEMENT # 13 – Protect Low Impact Development BMPs

Requirements – Protect Low Impact Development BMPs

1. Protect all Bioretention and Rain Garden BMPs from sedimentation through installation and maintenance of erosion and sediment control BMPs on portions of the site that drain into the Bioretention and/or Rain Garden BMPs. Restore the BMPs to their fully functioning condition if they accumulate sediment during construction. Restoring the BMP must include removal of sediment and any sediment-laden Bioretention/rain garden soils, and replacing the removed soils with soils meeting the design specification.

2. Prevent compacting Bioretention and rain garden BMPs by excluding construction equipment and foot traffic. Protect completed lawn and landscaped areas from compaction due to construction equipment.

3. Control erosion and avoid introducing sediment from surrounding land uses onto permeable pavements. Do not allow muddy construction equipment on the base material or pavement. Do not allow sediment- laden runoff onto permeable pavements.

4. Pavements fouled with sediments or no longer passing an initial infiltration test must be cleaned using procedures from the local stormwater manual or the manufacturer's procedures.

5. Keep all heavy equipment off existing soils under LID facilities that have been excavated to final grade to retain the infiltration rate of the soils.

Additional Guidance: See Chapter 5: Precision Site Preparation, Construction & Inspection of LID Facilities in the LID Technical Guidance Manual for Puget Sound (2012) for more detail on protecting LID integrated management practices.

Note that the LID Technical Guidance Manual for Puget Sound (2012) is for additional informational purposes only. You must follow the guidance within this manual if there are any discrepancies between this manual and the LID Technical Guidance Manual for Puget Sound (2012).

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Buffer Zone – BMP C102
- ☐ High Visibility Fence – BMP C103
- ☐ Interceptor Dike and Swale – BMP C200
- ☐ Grass-Lined Channels – BMP C201
- ☐ Check Dams – BMP C207

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- ☐ Triangular Silt Dike (Geotextile-Encased Check Dam) – BMP C208
- ☐ Brush Barrier – BMP C231
- ☐ Silt Fence – BMP C233
- ☐ Vegetated Strip – BMP C234
- ☐ Other
- ☑ Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Protect Low Impact Development BMPs" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

This does not apply as there are no LIDs within the project limit.

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CONSTRUCTION EMERGENCY CONTACT SHEET

Date _____

Project Name: Eastrail to NE Spring Blvd Trail Link

Project Address: 11608 NE 12 St

Type of Work: Construct new 14' Wide asphalt trail connection.

Developer: _____

Contact:_____ Office:_____ 24-hr: _____

General Contractor: _____

Contact:_____ Office:_____ 24-hr: _____

Utilities Sub-Contractor: _____

President/Owner: _____

Office:_____ Home:_____ 24-hr : _____

Project Manager: _____

Office:_____ Home:_____ 24-hr : _____

Superintendent: _____

Office:_____ Home:_____ 24-hr : _____

Foreman: _____

Office:_____ Home:_____ 24-hr : _____

Erosion Control Lead: _____

Office:_____ Home:_____ 24-hr: _____

City of Bellevue Inspectors

Clearing & Grading Inspector: _____

Office: (425) 452- _____

Building Inspector: _____

Office: (425) 452- _____

Jan 2017

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CONSTRUCTION EMERGENCY CONTACT SHEET

INJURY or FIRE– Call 911

Project Location or Address (If no address, describe the location of the construction access so that it can be relayed to emergency responders)

SPILL (Any hazardous materials including diesel fuel, gasoline, hydraulic fluid that enters the storm drain system or receiving waters)

- Call Washington State Department of Ecology (24 hrs) 425-649-7000
- Call Utilities Operations & Maintenance 425-452-7840
- Call Clearing & Grading Inspector or 425-452-4570

FISH KILL OR DISTRESS

- Call Washington Department of Fish and Wildlife Area Habitat Biologist, Larry Fisher 425-313-5683
- Call Clearing & Grading Inspector or 425-452-4570

WATER QUALITY IMPACTS (Site stormwater runoff turbidity exceeds 250 ntu)

- Call Washington State Department of Ecology (24 hrs) 425-649-7000
- Call Clearing & Grading Inspector or 425-452-4570

ARCHAEOLOGICAL FINDS

- Call Clearing & Grading Inspector or 425-452-4570
- Call Army Corps of Engineers, Seattle office, Lyz Ellis, 206-764-3634 (This is all you need to do under the permit)
  Or if there is no response and there is a need for immediate help, call Dr. Whitlam at the Washington State Office of Historic and Archaeological Program (OHAP), 360-407-0771

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CSWPPP
SITE INSPECTION FORM

Project COBT - Eastrail to NE Spring Blvd Link Permit No. 23-103210 GD

Inspector _____ Date _____ Time _____

Inspection Type: ☐ After a rain event ☐ Weekly ☐ Turbidity benchmark exceedance

☐ Other – explain: _____

Weather: _____

Precipitation: Since last inspection _____ inches In last 24 hours _____ inches

Description of General Site Conditions: _____

_____

_____

Will existing BMPs need to be modified or removed, or other BMPs installed? ☐ **YES** ☐ **NO**

If YES, list the action items to be completed on the following table:

Actions to be Completed	Date Completed/ Initials
1.	
2.	
3.	
4.	
5.	

Was water quality sampling (turbidity and pH) part of this inspection? ☐ **YES** ☐ **NO**

If yes, attach Turbidity & pH Monitoring Data Sheet

Is the site in compliance with the CSWPPP and the permit requirements? ☐ **YES** ☐ **NO**

- **If no,** indicate the tasks necessary to bring the site into compliance on the "Actions to be Completed" table above, and include dates each job will be completed.
- **If no, has the non-compliance been reported to the City of Bellevue?** ☐ **YES** ☐ **NO**
- **If no, should the CSWPPP be modified?** ☐ **YES** ☐ **NO**

I certify that this report is true, accurate, and complete, to the best of my knowledge and belief.

Name of Inspector (print) _____ Title/Qualification _____

Signature _____ Date _____

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CSWPPP
SITE INSPECTION FORM

Project COBT - Eastrail to NE Spring Blvd Link Permit No. 23-103210 GD

Inspector _____ Date _____ Time _____

Site BMPs	Overall Condition	Need Repair?	Comments/Observations
Element 1: Clearing Limits			
• Existing Vegetation	G F P	Y N	
• Plastic or Metal Fence	G F P	Y N	
•	G F P	Y N	
Element 2: Construction Access			
• Stabilized Construction Entrance	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 3: Control Flow Rates			
• Sediment Trap	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 4: Sediment Controls			
• Silt Fence	G F P	Y N	
• Straw Wattles	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 5: Stabilize Soils			
• Mulch	G F P	Y N	
• Plastic Covering	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 6: Protect Slopes			
• Plastic Covering	G F P	Y N	
• Seeding	G F P	Y N	
•	G F P	Y N	
Element 7: Protect Drain Inlets			
• Storm Drain Inlet Protection	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 8: Stabilize Channels & Outlets			
• Outlet Protection	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	

G=Good, F=Fair, P=Poor, Y=Yes, N=No

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Element 9: Control Pollutants • Concrete Handling • Material Delivery, Storage Containment •	G F P G F P G F P	Y N Y N Y N	
Element 10: Control Dewatering • • •	G F P G F P G F P	Y N Y N Y N	
Element 13 Protect Low Impact Development BMPs • Buffer Zones • High Visibility Fence • Silt Fence • Vegetated Strip •	G F P G F P G F P G F P G F P	Y N Y N Y N Y N Y N	

G=Good, F=Fair, P=Poor, Y=Yes, N=No

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BMP C101: Preserving Natural Vegetation

Purpose

The purpose of preserving natural vegetation is to reduce erosion wherever practicable. Limiting site disturbance is the single most effective method for reducing erosion. For example, conifers can hold up to about 50 percent of all rain that falls during a storm. Up to 20-30 percent of this rain may never reach the ground but is taken up by the tree or evaporates. Another benefit is that the rain held in the tree can be released slowly to the ground after the storm.

Conditions of Use

Natural vegetation should be preserved on steep slopes, near perennial and intermittent watercourses or swales, and on building sites in wooded areas.

- As required by local governments.
- Phase construction to preserve natural vegetation on the project site for as long as possible during the construction period.

Design and Installation Specifications

Natural vegetation can be preserved in natural clumps or as individual trees, shrubs and vines.

The preservation of individual plants is more difficult because heavy equipment is generally used to remove unwanted vegetation. The points to remember when attempting to save individual plants are:

- Is the plant worth saving? Consider the location, species, size, age, vigor, and the work involved. Local governments may also have ordinances to save natural vegetation and trees.
- Fence or clearly mark areas around trees that are to be saved. It is preferable to keep ground disturbance away from the trees at least as far out as the dripline.

  Plants need protection from three kinds of injuries:

- *Construction Equipment* - This injury can be above or below the ground level. Damage results from scarring, cutting of roots, and compaction of the soil. Placing a fenced buffer zone around plants to be saved prior to construction can prevent construction equipment injuries.
- *Grade Changes* - Changing the natural ground level will alter grades, which affects the plant's ability to obtain the necessary air, water, and minerals. Minor fills usually do not cause problems although sensitivity between species does vary and should be checked. Trees can typically tolerate fill of 6 inches or less. For shrubs and other plants, the fill should be less.

  When there are major changes in grade, it may become necessary to supply air to the roots of plants. This can be done by placing a layer of gravel and a tile system over the roots before the fill is made. A tile

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system protects a tree from a raised grade. The tile system should be laid out on the original grade leading from a dry well around the tree trunk. The system should then be covered with small stones to allow air to circulate over the root area.

Lowering the natural ground level can seriously damage trees and shrubs. The highest percentage of the plant roots are in the upper 12 inches of the soil and cuts of only 2-3 inches can cause serious injury. To protect the roots it may be necessary to terrace the immediate area around the plants to be saved. If roots are exposed, construction of retaining walls may be needed to keep the soil in place. Plants can also be preserved by leaving them on an undisturbed, gently sloping mound. To increase the chances for survival, it is best to limit grade changes and other soil disturbances to areas outside the dripline of the plant.

- *Excavations* - Protect trees and other plants when excavating for drainfields, power, water, and sewer lines. Where possible, the trenches should be routed around trees and large shrubs. When this is not possible, it is best to tunnel under them. This can be done with hand tools or with power augers. If it is not possible to route the trench around plants to be saved, then the following should be observed:

  Cut as few roots as possible. When you have to cut, cut clean. Paint cut root ends with a wood dressing like asphalt base paint if roots will be exposed for more than 24-hours.

  Backfill the trench as soon as possible.

  Tunnel beneath root systems as close to the center of the main trunk to preserve most of the important feeder roots.

Some problems that can be encountered with a few specific trees are:

- Maple, Dogwood, Red alder, Western hemlock, Western red cedar, and Douglas fir do not readily adjust to changes in environment and special care should be taken to protect these trees.
- The windthrow hazard of Pacific silver fir and madrona is high, while that of Western hemlock is moderate. The danger of windthrow increases where dense stands have been thinned. Other species (unless they are on shallow, wet soils less than 20 inches deep) have a low windthrow hazard.
- Cottonwoods, maples, and willows have water-seeking roots. These can cause trouble in sewer lines and infiltration fields. On the other hand, they thrive in high moisture conditions that other trees would not.
- Thinning operations in pure or mixed stands of Grand fir, Pacific silver fir, Noble fir, Sitka spruce, Western red cedar, Western hemlock, Pacific dogwood, and Red alder can cause serious disease problems.

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Disease can become established through damaged limbs, trunks, roots, and freshly cut stumps. Diseased and weakened trees are also susceptible to insect attack.

Maintenance Standards

Inspect flagged and/or fenced areas regularly to make sure flagging or fencing has not been removed or damaged. If the flagging or fencing has been damaged or visibility reduced, it shall be repaired or replaced immediately and visibility restored.

- If tree roots have been exposed or injured, "prune" cleanly with an appropriate pruning saw or loppers directly above the damaged roots and recover with native soils. Treatment of sap flowing trees (fir, hemlock, pine, soft maples) is not advised as sap forms a natural healing barrier.

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BMP C103: High Visibility Fence

Purpose

Fencing is intended to:

1. Restrict clearing to approved limits.
2. Prevent disturbance of sensitive areas, their buffers, and other areas required to be left undisturbed.
3. Limit construction traffic to designated construction entrances, exits, or internal roads.
4. Protect areas where marking with survey tape may not provide adequate protection.

Conditions of Use

To establish clearing limits plastic, fabric, or metal fence may be used:

- At the boundary of sensitive areas, their buffers, and other areas required to be left uncleared.
- As necessary to control vehicle access to and on the site.

Design and Installation Specifications

High visibility plastic fence shall be composed of a high-density polyethylene material and shall be at least four feet in height. Posts for the fencing shall be steel or wood and placed every 6 feet on center (maximum) or as needed to ensure rigidity. The fencing shall be fastened to the post every six inches with a polyethylene tie. On long continuous lengths of fencing, a tension wire or rope shall be used as a top stringer to prevent sagging between posts. The fence color shall be high visibility orange. The fence tensile strength shall be 360 lbs./ft. using the ASTM D4595 testing method.

If appropriate install fabric silt fence in accordance with BMP C233 to act as high visibility fence. Silt fence shall be at least 3 feet high and must be highly visible to meet the requirements of this BMP.

Metal fences shall be designed and installed according to the manufacturer's specifications.

Metal fences shall be at least 3 feet high and must be highly visible.

Fences shall not be wired or stapled to trees.

Maintenance Standards

If the fence has been damaged or visibility reduced, it shall be repaired or replaced immediately and visibility restored.

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BMP C105: Stabilized Construction Entrance / Exit

Purpose

Stabilized Construction entrances are established to reduce the amount of sediment transported onto paved roads by vehicles or equipment. This is done by constructing a stabilized pad of quarry spalls at entrances and exits for construction sites.

Conditions of Use

Construction entrances shall be stabilized wherever traffic will be entering or leaving a construction site if paved roads or other paved areas are within 1,000 feet of the site.

For residential construction provide stabilized construction entrances for each residence, rather than only at the main subdivision entrance. Stabilized surfaces shall be of sufficient length/width to provide vehicle access/parking, based on lot size/configuration.

On large commercial, highway, and road projects, the designer should include enough extra materials in the contract to allow for additional stabilized entrances not shown in the initial Construction SWPPP. It is difficult to determine exactly where access to these projects will take place; additional materials will enable the contractor to install them where needed.

Design and Installation Specifications

See Figure 4.1.1 for details. Note: the 100' minimum length of the entrance shall be reduced to the maximum practicable size when the size or configuration of the site does not allow the full length (100').

Construct stabilized construction entrances with a 12-inch thick pad of 4-inch to 8-inch quarry spalls, a 4-inch course of asphalt treated base (ATB), or use existing pavement. Do not use crushed concrete, cement, or calcium chloride for construction entrance stabilization because these products raise pH levels in stormwater and concrete discharge to surface waters of the State is prohibited.

A separation geotextile shall be placed under the spalls to prevent fine sediment from pumping up into the rock pad. The geotextile shall meet the following standards:

Grab Tensile Strength (ASTM D4751)	200 psi min.
Grab Tensile Elongation (ASTM D4632)	30% max.
Mullen Burst Strength (ASTM D3786-80a)	400 psi min.
AOS (ASTM D4751)	20-45 (U.S. standard sieve size)

- Consider early installation of the first lift of asphalt in areas that will paved; this can be used as a stabilized entrance. Also consider the installation of excess concrete as a stabilized entrance. During large concrete pours, excess concrete is often available for this purpose.

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- Fencing (see BMP C103) shall be installed as necessary to restrict traffic to the construction entrance.
- Whenever possible, the entrance shall be constructed on a firm, compacted subgrade. This can substantially increase the effectiveness of the pad and reduce the need for maintenance.
- Construction entrances should avoid crossing existing sidewalks and back of walk drains if at all possible. If a construction entrance must cross a sidewalk or back of walk drain, the full length of the sidewalk and back of walk drain must be covered and protected from sediment leaving the site.

Maintenance Standards

Quarry spalls shall be added if the pad is no longer in accordance with the specifications.

- If the entrance is not preventing sediment from being tracked onto pavement, then alternative measures to keep the streets free of sediment shall be used. This may include replacement/cleaning of the existing quarry spalls, street sweeping, an increase in the dimensions of the entrance, or the installation of a wheel wash.
- Any sediment that is tracked onto pavement shall be removed by shoveling or street sweeping. The sediment collected by sweeping shall be removed or stabilized on site. The pavement shall not be cleaned by washing down the street, except when high efficiency sweeping is ineffective and there is a threat to public safety. If it is necessary to wash the streets, the construction of a small sump to contain the wash water shall be considered. The sediment would then be washed into the sump where it can be controlled.
- Perform street sweeping by hand or with a high efficiency sweeper. Do not use a non-high efficiency mechanical sweeper because this creates dust and throws soils into storm systems or conveyance ditches.
- Any quarry spalls that are loosened from the pad, which end up on the roadway shall be removed immediately.
- If vehicles are entering or exiting the site at points other than the construction entrance(s), fencing (see BMP C103) shall be installed to control traffic.
- Upon project completion and site stabilization, all construction accesses intended as permanent access for maintenance shall be permanently stabilized.

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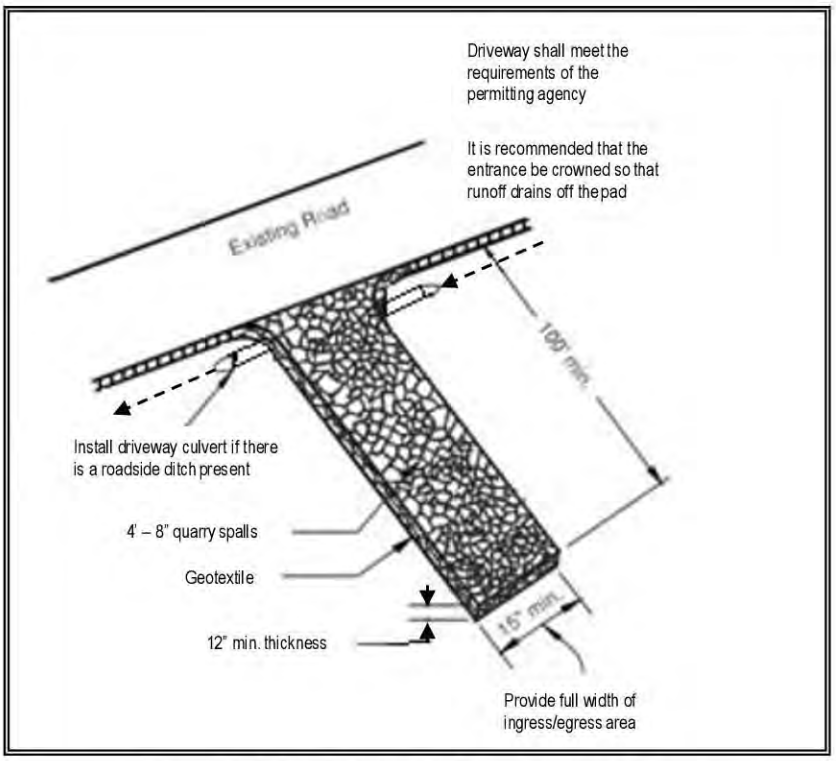

Figure 4.1.1 – Stabilized Construction Entrance

Approved as Equivalent

Ecology has approved products as able to meet the requirements of BMP C105. The products did not pass through the Technology Assessment Protocol – Ecology (TAPE) process. Local jurisdictions may choose not to accept this product approved as equivalent, or may require additional testing prior to consideration for local use. The products are available for review on Ecology's website at http://www.ecy.wa.gov/programs/wq/stormwater/newtech/equivalent.html

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BMP C106: Wheel Wash

Purpose

Wheel washes reduce the amount of sediment transported onto paved roads by motor vehicles.

Conditions of Use

When a stabilized construction entrance (see BMP C105) is not preventing sediment from being tracked onto pavement.

- Wheel washing is generally an effective BMP when installed with careful attention to topography. For example, a wheel wash can be detrimental if installed at the top of a slope abutting a right-of-way where the water from the dripping truck can run unimpeded into the street.
- Pressure washing combined with an adequately sized and surfaced pad with direct drainage to a large 10-foot x 10-foot sump can be very effective.
- Discharge wheel wash or tire bath wastewater to a separate on-site treatment system that prevents discharge to surface water, such as closed-loop recirculation or upland land application, or to the sanitary sewer with local sewer district approval.
- Wheel wash or tire bath wastewater should not include wastewater from concrete washout areas.

Design and Installation Specifications

Suggested details are shown in Figure 4.1.2. The Local Permitting Authority may allow other designs. A minimum of 6 inches of asphalt treated base (ATB) over crushed base material or 8 inches over a good subgrade is recommended to pave the wheel wash.

Use a low clearance truck to test the wheel wash before paving. Either a belly dump or lowboy will work well to test clearance.

Keep the water level from 12 to 14 inches deep to avoid damage to truck hubs and filling the truck tongues with water.

Midpoint spray nozzles are only needed in extremely muddy conditions.

Wheel wash systems should be designed with a small grade change, 6- to 12-inches for a 10-foot-wide pond, to allow sediment to flow to the low side of pond to help prevent re-suspension of sediment. A drainpipe with a 2- to 3-foot riser should be installed on the low side of the pond to allow for easy cleaning and refilling. Polymers may be used to promote coagulation and flocculation in a closed-loop system. Polyacrylamide (PAM) added to the wheel wash water at a rate of 0.25 - 0.5 pounds per 1,000 gallons of water increases effectiveness and reduces cleanup time. If PAM is already being used for dust or erosion control and is being applied by a water truck, the same truck can be used to change the wash water.

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Maintenance Standards

The wheel wash should start out the day with fresh water.

The wash water should be changed a minimum of once per day. On large earthwork jobs where more than 10-20 trucks per hour are expected, the wash water will need to be changed more often.

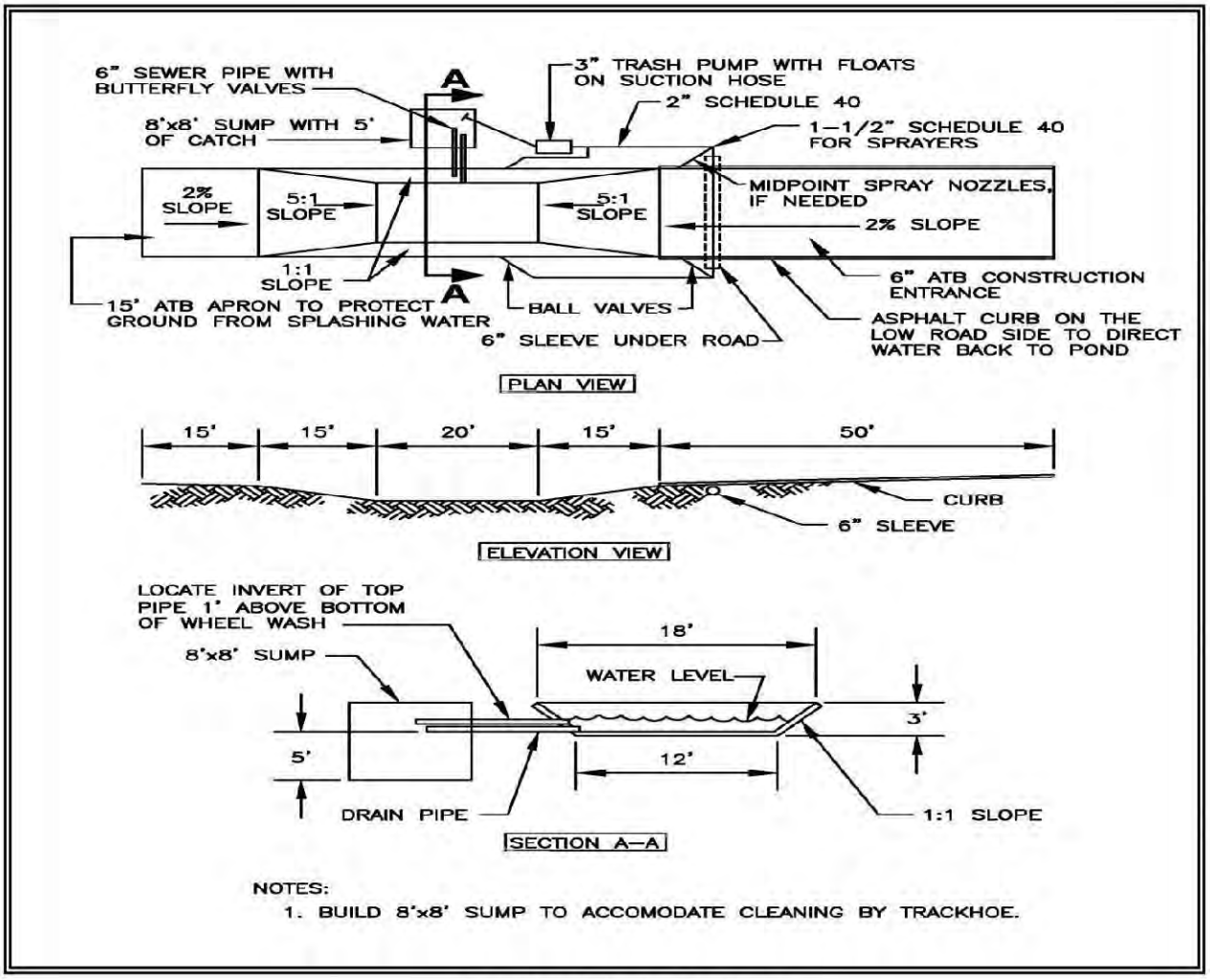

Figure 4.1.2 – Wheel Wash

Notes:

1. Asphalt construction entrance 6 in. asphalt treated base (ATB).
2. 3-inch trash pump with floats on the suction hose.
3. Midpoint spray nozzles, if needed.
4. 6-inch sewer pipe with butterfly valves. Bottom one is a drain. Locate top pipe's invert 1 foot above bottom of wheel wash.
5. 8 foot x 8 foot sump with 5 feet of catch. Build so the sump can be cleaned with a trackhoe.
6. Asphalt curb on the low road side to direct water back to pond.

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7. 6-inch sleeve under road.
8. Ball valves.
9. 15 foot. ATB apron to protect ground from splashing water.

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BMP C123: Plastic Covering

Purpose

Plastic covering provides immediate, short-term erosion protection to slopes and disturbed areas.

Conditions of Use

Plastic covering may be used on disturbed areas that require cover measures for less than 30 days, except as stated below.

- Plastic is particularly useful for protecting cut and fill slopes and stockpiles. Note: The relatively rapid breakdown of most polyethylene sheeting makes it unsuitable for long-term (greater than six months) applications.
- Due to rapid runoff caused by plastic covering, do not use this method upslope of areas that might be adversely impacted by concentrated runoff. Such areas include steep and/or unstable slopes.
- Plastic sheeting may result in increased runoff volumes and velocities, requiring additional on-site measures to counteract the increases. Creating a trough with wattles or other material can convey clean water away from these areas.
- To prevent undercutting, trench and backfill rolled plastic covering products.
- While plastic is inexpensive to purchase, the added cost of installation, maintenance, removal, and disposal make this an expensive material, up to $1.50-2.00 per square yard.
- Whenever plastic is used to protect slopes install water collection measures at the base of the slope. These measures include plastic-covered berms, channels, and pipes used to covey clean rainwater away from bare soil and disturbed areas. Do not mix clean runoff from a plastic covered slope with dirty runoff from a project.
- Other uses for plastic include:
  1. Temporary ditch liner.
  2. Pond liner in temporary sediment pond.
  3. Liner for bermed temporary fuel storage area if plastic is not reactive to the type of fuel being stored.
  4. Emergency slope protection during heavy rains.
  5. Temporary drainpipe ("elephant trunk") used to direct water.

Design and Installation Specifications

- Plastic slope cover must be installed as follows:
  1. Run plastic up and down slope, not across slope.
  2. Plastic may be installed perpendicular to a slope if the slope length is less than 10 feet.
  3. Minimum of 8-inch overlap at seams.

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4. On long or wide slopes, or slopes subject to wind, tape all seams.
5. Place plastic into a small (12-inch wide by 6-inch deep) slot trench at the top of the slope and backfill with soil to keep water from flowing underneath.
6. Place sand filled burlap or geotextile bags every 3 to 6 feet along seams and tie them together with twine to hold them in place.
7. Inspect plastic for rips, tears, and open seams regularly and repair immediately. This prevents high velocity runoff from contacting bare soil which causes extreme erosion.
8. Sandbags may be lowered into place tied to ropes. However, all sandbags must be staked in place.

- Plastic sheeting shall have a minimum thickness of 0.06 millimeters.
- If erosion at the toe of a slope is likely, a gravel berm, riprap, or other suitable protection shall be installed at the toe of the slope in order to reduce the velocity of runoff.

Maintenance Standards

- Torn sheets must be replaced and open seams repaired.
- Completely remove and replace the plastic if it begins to deteriorate due to ultraviolet radiation.
- Completely remove plastic when no longer needed.
- Dispose of old tires used to weight down plastic sheeting appropriately.

Approved as Equivalent

Ecology has approved products as able to meet the requirements of BMP C123. The products did not pass through the Technology Assessment Protocol – Ecology (TAPE) process. Local jurisdictions may choose not to accept this product approved as equivalent, or may require additional testing prior to consideration for local use. The products are available for review on Ecology's website at http://www.ecy.wa.gov/programs/wq/stormwater/newtech/equivalent.html

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BMP C140: Dust Control

Purpose

Dust control prevents wind transport of dust from disturbed soil surfaces onto roadways, drainage ways, and surface waters.

Conditions of Use

- In areas (including roadways) subject to surface and air movement of dust where on-site and off-site impacts to roadways, drainage ways, or surface waters are likely.

Design and Installation Specifications

- Vegetate or mulch areas that will not receive vehicle traffic. In areas where planting, mulching, or paving is impractical, apply gravel or landscaping rock.
- Limit dust generation by clearing only those areas where immediate activity will take place, leaving the remaining area(s) in the original condition. Maintain the original ground cover as long as practical.
- Construct natural or artificial windbreaks or windscreens. These may be designed as enclosures for small dust sources.
- Sprinkle the site with water until surface is wet. Repeat as needed. To prevent carryout of mud onto street, refer to Stabilized Construction Entrance (BMP C105).
- Irrigation water can be used for dust control. Irrigation systems should be installed as a first step on sites where dust control is a concern.
- Spray exposed soil areas with a dust palliative, following the manufacturer's instructions and cautions regarding handling and application. Used oil is prohibited from use as a dust suppressant. Local governments may approve other dust palliatives such as calcium chloride or PAM.
- PAM (BMP C126) added to water at a rate of 0.5 lbs. per 1,000 gallons of water per acre and applied from a water truck is more effective than water alone. This is due to increased infiltration of water into the soil and reduced evaporation. In addition, small soil particles are bonded together and are not as easily transported by wind. Adding PAM may actually reduce the quantity of water needed for dust control. Use of PAM could be a cost-effective dust control method.

Techniques that can be used for unpaved roads and lots include:

- Lower speed limits. High vehicle speed increases the amount of dust stirred up from unpaved roads and lots.
- Upgrade the road surface strength by improving particle size, shape, and mineral types that make up the surface and base materials.
- Add surface gravel to reduce the source of dust emission. Limit the amount of fine particles (those smaller than .075 mm) to 10 to 20 percent.

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- Use geotextile fabrics to increase the strength of new roads or roads undergoing reconstruction.
- Encourage the use of alternate, paved routes, if available.
- Restrict use of paved roadways by tracked vehicles and heavy trucks to prevent damage to road surface and base.
- Apply chemical dust suppressants using the admix method, blending the product with the top few inches of surface material. Suppressants may also be applied as surface treatments.
- Pave unpaved permanent roads and other trafficked areas.
- Use vacuum street sweepers.
- Remove mud and other dirt promptly so it does not dry and then turn into dust.
- Limit dust-causing work on windy days.
- Contact your local Air Pollution Control Authority for guidance and training on other dust control measures. Compliance with the local Air Pollution Control Authority constitutes compliance with this BMP.

Maintenance Standards

Respray area as necessary to keep dust to a minimum.

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BMP C151: Concrete Handling

Purpose

Concrete work can generate process water and slurry that contain fine particles and high pH, both of which can violate water quality standards in the receiving water. Concrete spillage or concrete discharge to surface waters of the State is prohibited. Use this BMP to minimize and eliminate concrete, concrete process water, and concrete slurry from entering waters of the state.

Condition of Use

Any time concrete is used, utilize these management practices. Concrete construction projects include, but are not limited to, the following:

- Curbs
- Sidewalks
- Roads
- Bridges
- Foundations
- Floors
- Runways

Design and Installation Specifications

- Assure that washout of concrete trucks, chutes, pumps, and internals is performed at an approved off-site location or in designated concrete washout areas. Do not wash out concrete trucks onto the ground, or into storm drains, open ditches, streets, or streams. Refer to BMP C154 for information on concrete washout areas.
- Return unused concrete remaining in the truck and pump to the originating batch plant for recycling. Do not dump excess concrete on site, except in designated concrete washout areas.
- Wash off hand tools including, but not limited to, screeds, shovels, rakes, floats, and trowels into formed areas only.
- Wash equipment difficult to move, such as concrete pavers in areas that do not directly drain to natural or constructed stormwater conveyances.
- Do not allow washdown from areas, such as concrete aggregate driveways, to drain directly to natural or constructed stormwater conveyances.
- Contain washwater and leftover product in a lined container when no formed areas are available. Dispose of contained concrete in a manner that does not violate ground water or surface water quality standards.

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- Always use forms or solid barriers for concrete pours, such as pilings, within 15-feet of surface waters.
- Refer to BMPs C252 and C253 for pH adjustment requirements.
- Refer to the Construction Stormwater General Permit for pH monitoring requirements if the project involves one of the following activities:
  - Significant concrete work (greater than 1,000 cubic yards poured concrete or recycled concrete used over the life of a project).
  - The use of engineered soils amended with (but not limited to) Portland cement-treated base, cement kiln dust or fly ash.
  - Discharging stormwater to segments of water bodies on the 303(d) list (Category 5) for high pH.

Maintenance Standards

Check containers for holes in the liner daily during concrete pours and repair the same day.

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BMP C152: Sawcutting and Surfacing Pollution Prevention

Purpose

Sawcutting and surfacing operations generate slurry and process water that contains fine particles and high pH (concrete cutting), both of which can violate the water quality standards in the receiving water. Concrete spillage or concrete discharge to surface waters of the State is prohibited. Use this BMP to minimize and eliminate process water and slurry created through sawcutting or surfacing from entering waters of the State.

Conditions of Use

Utilize these management practices anytime sawcutting or surfacing operations take place. Sawcutting and surfacing operations include, but are not limited to, the following:

- Sawing
- Coring
- Grinding
- Roughening
- Hydro-demolition
- Bridge and road surfacing

Design and Installation Specifications

- Vacuum slurry and cuttings during cutting and surfacing operations.
- Slurry and cuttings shall not remain on permanent concrete or asphalt pavement overnight.
- Slurry and cuttings shall not drain to any natural or constructed drainage conveyance including stormwater systems. This may require temporarily blocking catch basins.
- Dispose of collected slurry and cuttings in a manner that does not violate ground water or surface water quality standards.
- Do not allow process water generated during hydro-demolition, surface roughening or similar operations to drain to any natural or constructed drainage conveyance including stormwater systems. Dispose process water in a manner that does not violate ground water or surface water quality standards.
- Handle and dispose cleaning waste material and demolition debris in a manner that does not cause contamination of water. Dispose of sweeping material from a pick-up sweeper at an appropriate disposal site.

Maintenance Standards

Continually monitor operations to determine whether slurry, cuttings, or process water could enter waters of the state. If inspections show that a violation of water quality standards could occur, stop operations and immediately implement preventive measures such as berms, barriers, secondary containment, and vacuum trucks.

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BMP C153: Material Delivery, Storage and Containment

Purpose

Prevent, reduce, or eliminate the discharge of pollutants to the stormwater system or watercourses from material delivery and storage. Minimize the storage of hazardous materials on-site, store materials in a designated area, and install secondary containment.

Conditions of Use

These procedures are suitable for use at all construction sites with delivery and storage of the following materials:

- Petroleum products such as fuel, oil and grease
- Soil stabilizers and binders (e.g., Polyacrylamide)
- Fertilizers, pesticides and herbicides
- Detergents
- Asphalt and concrete compounds
- Hazardous chemicals such as acids, lime, adhesives, paints, solvents, and curing compounds
- Any other material that may be detrimental if released to the environment

Design and Installation Specifications

The following steps should be taken to minimize risk:

- Temporary storage area should be located away from vehicular traffic, near the construction entrance(s), and away from waterways or storm drains.
- Material Safety Data Sheets (MSDS) should be supplied for all materials stored. Chemicals should be kept in their original labeled containers.
- Hazardous material storage on-site should be minimized.
- Hazardous materials should be handled as infrequently as possible.
- During the wet weather season (Oct 1 – April 30), consider storing materials in a covered area.
- Materials should be stored in secondary containments, such as earthen dike, horse trough, or even a children's wading pool for non-reactive materials such as detergents, oil, grease, and paints. Small amounts of material may be secondarily contained in "bus boy" trays or concrete mixing trays.
- Do not store chemicals, drums, or bagged materials directly on the ground. Place these items on a pallet and, when possible, and within secondary containment.
- If drums must be kept uncovered, store them at a slight angle to reduce ponding of rainwater on the lids to reduce corrosion. Domed plastic covers are inexpensive and snap to the top of drums, preventing water from collecting.

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Material Storage Areas and Secondary Containment Practices:

- Liquids, petroleum products, and substances listed in 40 CFR Parts 110, 117, or 302 shall be stored in approved containers and drums and shall not be overfilled. Containers and drums shall be stored in temporary secondary containment facilities.
- Temporary secondary containment facilities shall provide for a spill containment volume able to contain 10% of the total enclosed container volume of all containers, or 110% of the capacity of the largest container within its boundary, whichever is greater.
- Secondary containment facilities shall be impervious to the materials stored therein for a minimum contact time of 72 hours.
- Secondary containment facilities shall be maintained free of accumulated rainwater and spills. In the event of spills or leaks, accumulated rainwater and spills shall be collected and placed into drums. These liquids shall be handled as hazardous waste unless testing determines them to be non-hazardous.
- Sufficient separation should be provided between stored containers to allow for spill cleanup and emergency response access.
- During the wet weather season (Oct 1 – April 30), each secondary containment facility shall be covered during non-working days, prior to and during rain events.
- Keep material storage areas clean, organized and equipped with an ample supply of appropriate spill clean-up material (spill kit).
- The spill kit should include, at a minimum:
  - 1-Water Resistant Nylon Bag
  - 3-Oil Absorbent Socks 3"x 4'
  - 2-Oil Absorbent Socks 3"x 10'
  - 12-Oil Absorbent Pads 17"x19"
  - 1-Pair Splash Resistant Goggles
  - 3-Pair Nitrile Gloves
  - 10-Disposable Bags with Ties
  - Instructions

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BMP C202: Channel Lining

Purpose

To protect channels by providing a channel liner using either blankets or riprap.

Conditions of Use

When natural soils or vegetated stabilized soils in a channel are not adequate to prevent channel erosion.

- When a permanent ditch or pipe system is to be installed and a temporary measure is needed.
- In almost all cases, synthetic and organic coconut blankets are more effective than riprap for protecting channels from erosion. Blankets can be used with and without vegetation. Blanketed channels can be designed to handle any expected flow and longevity requirement. Some synthetic blankets have a predicted life span of 50 years or more, even in sunlight.
- Other reasons why blankets are better than rock include the availability of blankets over rock. In many areas of the state, rock is not easily obtainable or is very expensive to haul to a site. Blankets can be delivered anywhere. Rock requires the use of dump trucks to haul and heavy equipment to place. Blankets usually only require laborers with hand tools, and sometimes a backhoe.
- The Federal Highway Administration recommends not using flexible liners whenever the slope exceeds 10 percent or the shear stress exceeds 8 lbs/ft^2.

Design and Installation Specifications

See BMP C122 for information on blankets.

Since riprap is used where erosion potential is high, construction must be sequenced so that the riprap is put in place with the minimum possible delay.

- Disturbance of areas where riprap is to be placed should be undertaken only when final preparation and placement of the riprap can follow immediately behind the initial disturbance. Where riprap is used for outlet protection, the riprap should be placed before or in conjunction with the construction of the pipe or channel so that it is in place when the pipe or channel begins to operate.
- The designer, after determining the riprap size that will be stable under the flow conditions, shall consider that size to be a minimum size and then, based on riprap gradations actually available in the area, select the size or sizes that equal or exceed the minimum size. The possibility of drainage structure damage by children shall be considered in selecting a riprap size, especially if there is nearby water or a gully in which to toss the stones.

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- Stone for riprap shall consist of field stone or quarry stone of approximately rectangular shape. The stone shall be hard and angular and of such quality that it will not disintegrate on exposure to water or weathering and it shall be suitable in all respects for the purpose intended.
- A lining of engineering filter fabric (geotextile) shall be placed between the riprap and the underlying soil surface to prevent soil movement into or through the riprap. The geotextile should be keyed in at the top of the bank.
- Filter fabric shall not be used on slopes greater than 1-1/2H:1V as slippage may occur. It should be used in conjunction with a layer of coarse aggregate (granular filter blanket) when the riprap to be placed is 12 inches and larger.

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BMP C209: Outlet Protection

Purpose

Outlet protection prevents scour at conveyance outlets and minimizes the potential for downstream erosion by reducing the velocity of concentrated stormwater flows.

Conditions of use

Outlet protection is required at the outlets of all ponds, pipes, ditches, or other conveyances, and where runoff is conveyed to a natural or manmade drainage feature such as a stream, wetland, lake, or ditch.

Design and Installation Specifications

The receiving channel at the outlet of a culvert shall be protected from erosion by rock lining a minimum of 6 feet downstream and extending up the channel sides a minimum of 1–foot above the maximum tailwater elevation or 1-foot above the crown, whichever is higher. For large pipes (more than 18 inches in diameter), the outlet protection lining of the channel is lengthened to four times the diameter of the culvert.

- Standard wingwalls, and tapered outlets and paved channels should also be considered when appropriate for permanent culvert outlet protection. (See WSDOT Hydraulic Manual, available through WSDOT Engineering Publications).
- Organic or synthetic erosion blankets, with or without vegetation, are usually more effective than rock, cheaper, and easier to install. Materials can be chosen using manufacturer product specifications. ASTM test results are available for most products and the designer can choose the correct material for the expected flow.
- With low flows, vegetation (including sod) can be effective.
- The following guidelines shall be used for riprap outlet protection:
    1. If the discharge velocity at the outlet is less than 5 fps (pipe slope less than 1 percent), use 2-inch to 8-inch riprap. Minimum thickness is 1-foot.
    2. For 5 to 10 fps discharge velocity at the outlet (pipe slope less than 3 percent), use 24-inch to 48-inch riprap. Minimum thickness is 2 feet.
    3. For outlets at the base of steep slope pipes (pipe slope greater than 10 percent), an engineered energy dissipater shall be used.
- Filter fabric or erosion control blankets should always be used under riprap to prevent scour and channel erosion.
- New pipe outfalls can provide an opportunity for low-cost fish habitat improvements. For example, an alcove of low-velocity water can be created by constructing the pipe outfall and associated energy dissipater back from the stream edge and digging a channel, over- widened to the upstream side, from the

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outfall. Overwintering juvenile and migrating adult salmonids may use the alcove as shelter during high flows. Bank stabilization, bioengineering, and habitat features may be required for disturbed areas. This work may require a HPA. See Volume V for more information on outfall system design.

Maintenance Standards

- Inspect and repair as needed.
- Add rock as needed to maintain the intended function.
- Clean energy dissipater if sediment builds up.

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BMP C220: Storm Drain Inlet Protection

Purpose

Storm drain inlet protection prevents coarse sediment from entering drainage systems prior to permanent stabilization of the disturbed area.

Conditions of Use

Use storm drain inlet protection at inlets that are operational before permanent stabilization of the disturbed drainage area. Provide protection for all storm drain inlets downslope and within 500 feet of a disturbed or construction area, unless conveying runoff entering catch basins to a sediment pond or trap.

Also consider inlet protection for lawn and yard drains on new home construction. These small and numerous drains coupled with lack of gutters in new home construction can add significant amounts of sediment into the roof drain system. If possible delay installing lawn and yard drains until just before landscaping or cap these drains to prevent sediment from entering the system until completion of landscaping. Provide 18-inches of sod around each finished lawn and yard drain.

Table 4.2.2 lists several options for inlet protection. All of the methods for storm drain inlet protection tend to plug and require a high frequency of maintenance. Limit drainage areas to one acre or less. Possibly provide emergency overflows with additional end-of-pipe treatment where stormwater ponding would cause a hazard.

Table 4.2.2
Storm Drain Inlet Protection

Type of Inlet Protection	Emergency Overflow	Applicable for Paved/ Earthen Surfaces	Conditions of Use
Drop Inlet Protection			
Excavated drop inlet protection	Yes, temporary flooding will occur	Earthen	Applicable for heavy flows. Easy to maintain. Large area Requirement: 30' X 30'/acre
Block and gravel drop inlet protection	Yes	Paved or Earthen	Applicable for heavy concentrated flows. Will not pond.
Gravel and wire drop inlet protection	No		Applicable for heavy concentrated flows. Will pond. Can withstand traffic.
Catch basin filters	Yes	Paved or Earthen	Frequent maintenance required.
Curb Inlet Protection			
Curb inlet protection with a wooden weir	Small capacity overflow	Paved	Used for sturdy, more compact installation.
Block and gravel curb inlet protection	Yes	Paved	Sturdy, but limited filtration.
Culvert Inlet Protection			
Culvert inlet sediment trap			18 month expected life.

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Design and Installation Specifications

Excavated Drop Inlet Protection - An excavated impoundment around the storm drain. Sediment settles out of the stormwater prior to entering the storm drain.

- Provide a depth of 1-2 ft as measured from the crest of the inlet structure.
- Slope sides of excavation no steeper than 2H:1V.
- Minimum volume of excavation 35 cubic yards.
- Shape basin to fit site with longest dimension oriented toward the longest inflow area.
- Install provisions for draining to prevent standing water problems.
- Clear the area of all debris.
- Grade the approach to the inlet uniformly.
- Drill weep holes into the side of the inlet.
- Protect weep holes with screen wire and washed aggregate.
- Seal weep holes when removing structure and stabilizing area.
- Build a temporary dike, if necessary, to the down slope side of the structure to prevent bypass flow.

Block and Gravel Filter - A barrier formed around the storm drain inlet with standard concrete blocks and gravel. See Figure 4.2.8.

- Provide a height of 1 to 2 feet above inlet.
- Recess the first row 2-inches into the ground for stability.
- Support subsequent courses by placing a 2x4 through the block opening.
- Do not use mortar.
- Lay some blocks in the bottom row on their side for dewatering the pool.
- Place hardware cloth or comparable wire mesh with ½-inch openings over all block openings.
- Place gravel just below the top of blocks on slopes of 2H:1V or flatter.
- An alternative design is a gravel donut.
- Provide an inlet slope of 3H:1V.
- Provide an outlet slope of 2H:1V.
- Provide a1-foot wide level stone area between the structure and the inlet.
- Use inlet slope stones 3 inches in diameter or larger.
- Use gravel ½- to ¾-inch at a minimum thickness of 1-foot for the outlet slope.

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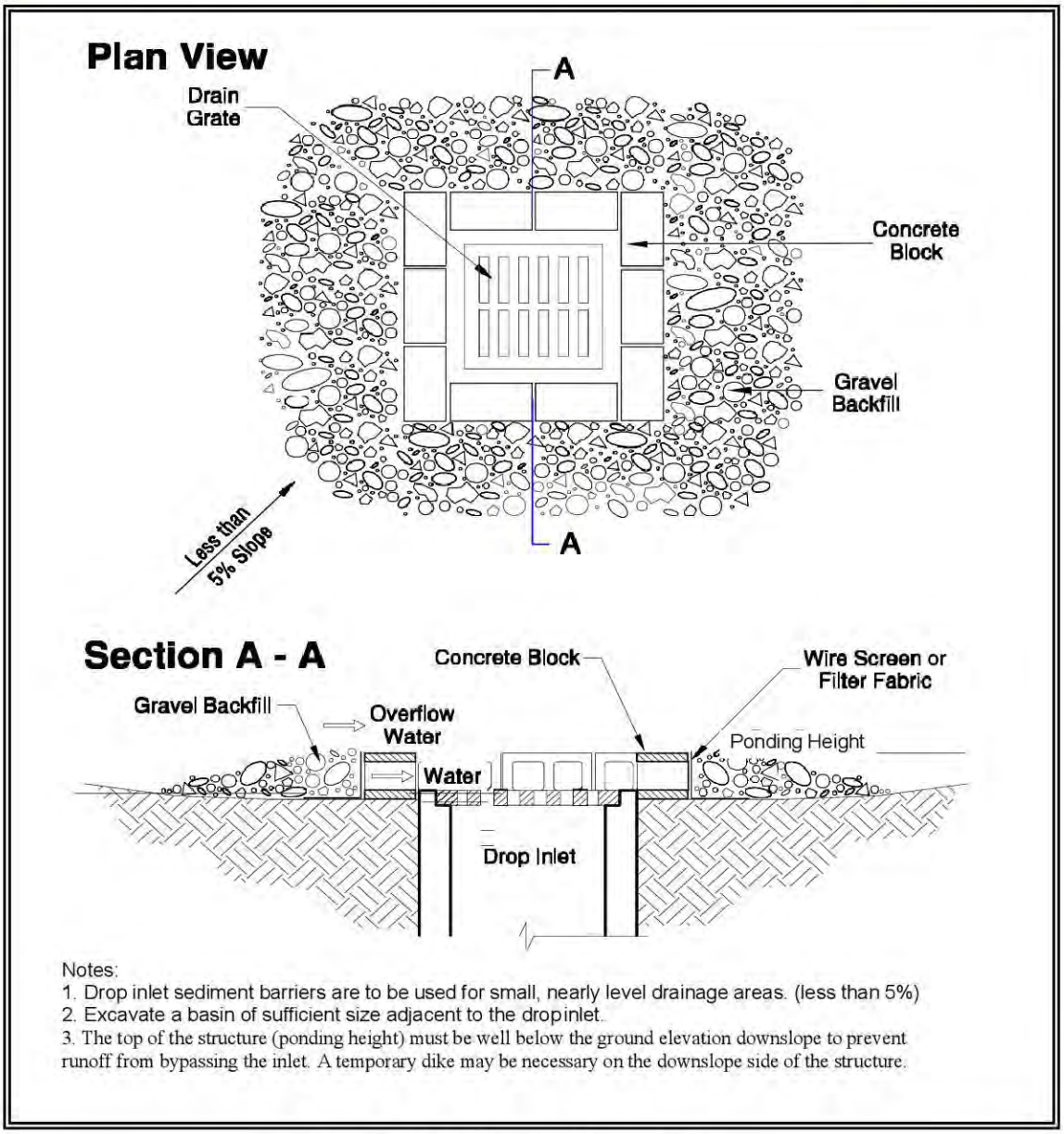

Figure 4.2.8 – Block and Gravel Filter

Gravel and Wire Mesh Filter - A gravel barrier placed over the top of the inlet. This structure does not provide an overflow.

- Use a hardware cloth or comparable wire mesh with ½-inch openings.
- Use coarse aggregate.
- Provide a height 1-foot or more, 18-inches wider than inlet on all sides.
- Place wire mesh over the drop inlet so that the wire extends a minimum of 1-foot beyond each side of the inlet structure.
- Overlap the strips if more than one strip of mesh is necessary.

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- Place coarse aggregate over the wire mesh.
- Provide at least a 12-inch depth of gravel over the entire inlet opening and extend at least 18-inches on all sides.

Catchbasin Filters – Use inserts designed by manufacturers for construction sites. The limited sediment storage capacity increases the amount of inspection and maintenance required, which may be daily for heavy sediment loads. To reduce maintenance requirements combine a catchbasin filter with another type of inlet protection. This type of inlet protection provides flow bypass without overflow and therefore may be a better method for inlets located along active rights-of-way.

- Provides 5 cubic feet of storage.
- Requires dewatering provisions.
- Provides a high-flow bypass that will not clog under normal use at a construction site.
- Insert the catchbasin filter in the catchbasin just below the grating.

Curb Inlet Protection with Wooden Weir – Barrier formed around a curb inlet with a wooden frame and gravel.

- Use wire mesh with ½-inch openings.
- Use extra strength filter cloth.
- Construct a frame.
- Attach the wire and filter fabric to the frame.
- Pile coarse washed aggregate against wire/fabric.
- Place weight on frame anchors.

Block and Gravel Curb Inlet Protection – Barrier formed around a curb inlet with concrete blocks and gravel. See Figure 4.2.9.

- Use wire mesh with ½-inch openings.
- Place two concrete blocks on their sides abutting the curb at either side of the inlet opening. These are spacer blocks.
- Place a 2x4 stud through the outer holes of each spacer block to align the front blocks.
- Place blocks on their sides across the front of the inlet and abutting the spacer blocks.
- Place wire mesh over the outside vertical face.
- Pile coarse aggregate against the wire to the top of the barrier.

Curb and Gutter Sediment Barrier – Sandbag or rock berm (riprap and aggregate) 3 feet high and 3 feet wide in a horseshoe shape. See Figure 4.2.10.

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- Construct a horseshoe shaped berm, faced with coarse aggregate if using riprap, 3 feet high and 3 feet wide, at least 2 feet from the inlet.
- Construct a horseshoe shaped sedimentation trap on the outside of the berm sized to sediment trap standards for protecting a culvert inlet.
- Inspect catch basin filters frequently, especially after storm events. Clean and replace clogged inserts. For systems with clogged stone filters: pull away the stones from the inlet and clean or replace. An alternative approach would be to use the clogged stone as fill and put fresh stone around the inlet.
- Do not wash sediment into storm drains while cleaning. Spread all excavated material evenly over the surrounding land area or stockpile and stabilize as appropriate.

Approved as Equivalent

Ecology has approved products as able to meet the requirements of BMP C220. The products did not pass through the Technology Assessment Protocol – Ecology (TAPE) process. Local jurisdictions may choose not to accept this product approved as equivalent, or may require additional testing prior to consideration for local use. The products are available for review on Ecology's website at http://www.ecy.wa.gov/programs/wq/stormwater/newtech/equivalent.html

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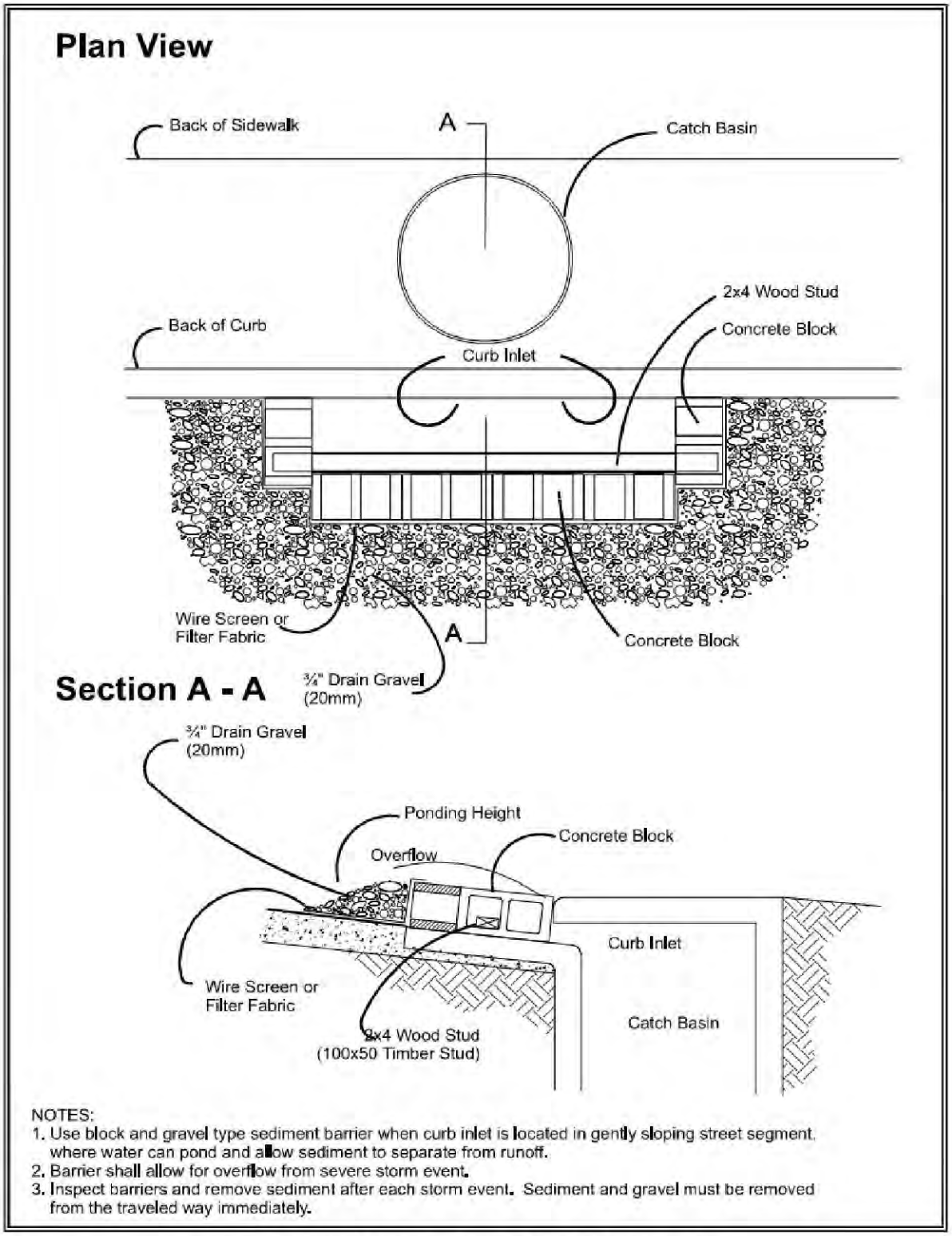

NOTES:
1. Use block and gravel type sediment barrier when curb inlet is located in gently sloping street segment, where water can pond and allow sediment to separate from runoff.
2. Barrier shall allow for overflow from severe storm event.
3. Inspect barriers and remove sediment after each storm event. Sediment and gravel must be removed from the traveled way immediately.

Figure 4.2.9 – Block and Gravel Curb Inlet Protection

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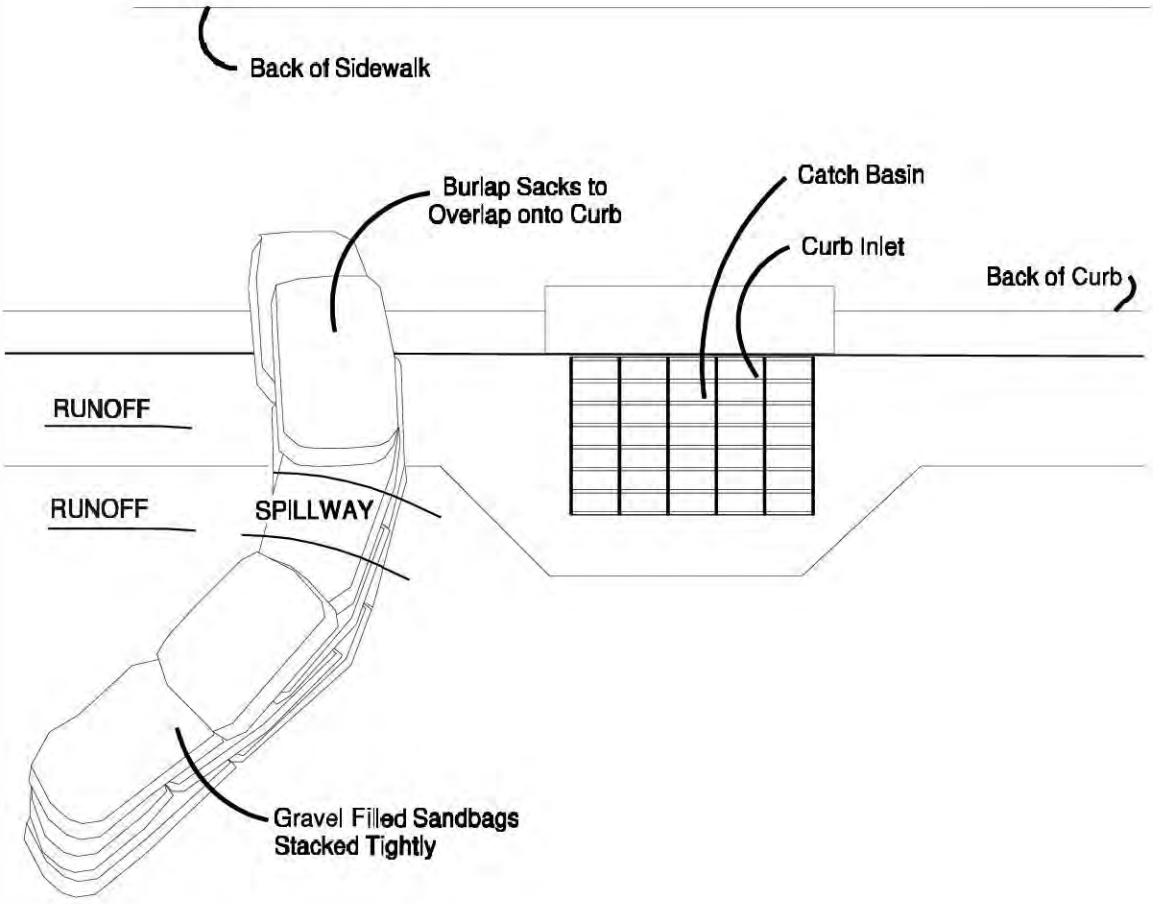

NOTES:
1. Place curb type sediment barriers on gently sloping street segments, where water can pond and allow sediment to separate from runoff.
2. Sandbags of either burlap or woven `geotextile' fabric, are filled with gravel, layered and packed tightly.
3. Leave a one sandbag gap in the top row to provide a spillway for overflow.
4. Inspect barriers and remove sediment after each storm event. Sediment and gravel must be removed from the traveled way immediately.

Figure 4.2.10 – Curb and Gutter Barrier

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BMP C233: Silt Fence

Purpose

Use of a silt fence reduces the transport of coarse sediment from a construction site by providing a temporary physical barrier to sediment and reducing the runoff velocities of overland flow. See Figure 4.2.12 for details on silt fence construction.

Conditions of Use

Silt fence may be used downslope of all disturbed areas.

- Silt fence shall prevent soil carried by runoff water from going beneath, through, or over the top of the silt fence, but shall allow the water to pass through the fence.
- Silt fence is not intended to treat concentrated flows, nor is it intended to treat substantial amounts of overland flow. Convey any concentrated flows through the drainage system to a sediment pond.
- Do not construct silt fences in streams or use in V-shaped ditches. Silt fences do not provide an adequate method of silt control for anything deeper than sheet or overland flow.

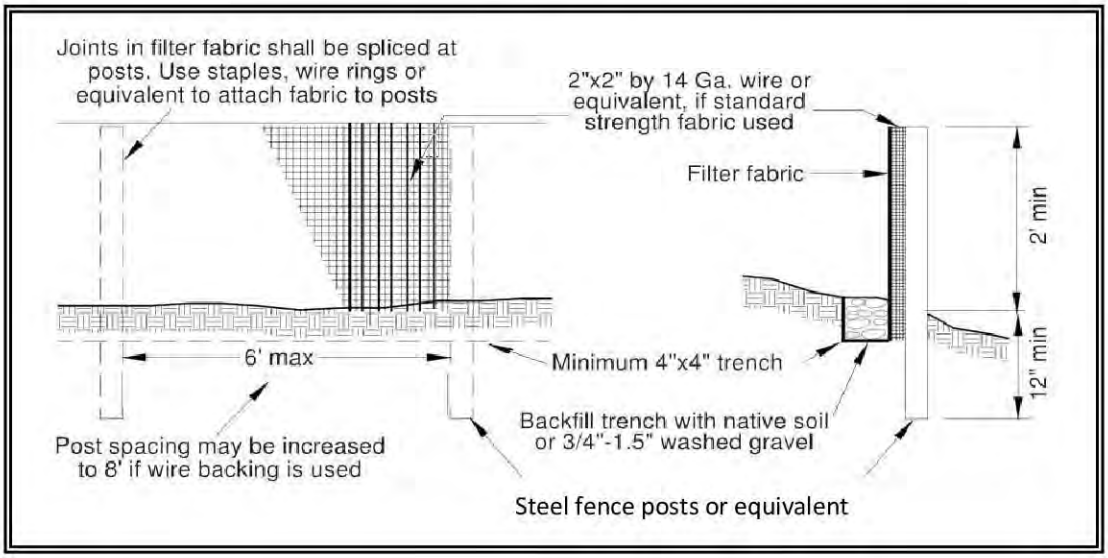

Figure 4.2.12 – Silt Fence

Design and Installation Specifications

- Use in combination with sediment basins or other BMPs.
- Maximum slope steepness (normal (perpendicular) to fence line) 1H:1V.
- Maximum sheet or overland flow path length to the fence of 100 feet.
- Do not allow flows greater than 0.5 cfs.

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- The geotextile used shall meet the following standards. All geotextile properties listed below are minimum average roll values (i.e., the test result for any sampled roll in a lot shall meet or exceed the values shown in Table 4.2.3):

Table 4.2.3
Geotextile Standards

Polymeric Mesh AOS (ASTM D4751)	0.60 mm maximum for slit film woven (#30 sieve). 0.30 mm maximum for all other geotextile types (#50 sieve). 0.15 mm minimum for all fabric types (#100 sieve).
Water Permittivity (ASTM D4491)	0.02 sec^{-1} minimum
Grab Tensile Strength (ASTM D4632)	180 lbs. Minimum for extra strength fabric. 100 lbs minimum for standard strength fabric.
Grab Tensile Strength (ASTM D4632)	30% maximum
Ultraviolet Resistance (ASTM D4355)	70% minimum

- Support standard strength fabrics with wire mesh, chicken wire, 2-inch x 2-inch wire, safety fence, or jute mesh to increase the strength of the fabric. Silt fence materials are available that have synthetic mesh backing attached.
- Filter fabric material shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of six months of expected usable construction life at a temperature range of 0°F. to 120°F.
- One-hundred percent biodegradable silt fence is available that is strong, long lasting, and can be left in place after the project is completed, if permitted by local regulations.
- Refer to Figure 4.2.12 for standard silt fence details. Include the following standard Notes for silt fence on construction plans and specifications:

  1. The contractor shall install and maintain temporary silt fences at the locations shown in the Plans.
  2. Construct silt fences in areas of clearing, grading, or drainage prior to starting those activities.
  3. The silt fence shall have a 2-feet min. and a 2½-feet max. height above the original ground surface.
  4. The filter fabric shall be sewn together at the point of manufacture to form filter fabric lengths as required. Locate all sewn seams at support posts. Alternatively, two sections of silt fence can be overlapped, provided the Contractor can demonstrate, to the satisfaction of the Engineer, that the

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overlap is long enough and that the adjacent fence sections are close enough together to prevent silt laden water from escaping through the fence at the overlap.

5. Attach the filter fabric on the up-slope side of the posts and secure with staples, wire, or in accordance with the manufacturer's recommendations. Attach the filter fabric to the posts in a manner that reduces the potential for tearing.
6. Support the filter fabric with wire or plastic mesh, dependent on the properties of the geotextile selected for use. If wire or plastic mesh is used, fasten the mesh securely to the up-slope side of the posts with the filter fabric up-slope of the mesh.
7. Mesh support, if used, shall consist of steel wire with a maximum mesh spacing of 2-inches, or a prefabricated polymeric mesh. The strength of the wire or polymeric mesh shall be equivalent to or greater than 180 lbs. grab tensile strength. The polymeric mesh must be as resistant to the same level of ultraviolet radiation as the filter fabric it supports.
8. Bury the bottom of the filter fabric 4-inches min. below the ground surface. Backfill and tamp soil in place over the buried portion of the filter fabric, so that no flow can pass beneath the fence and scouring cannot occur. When wire or polymeric back-up support mesh is used, the wire or polymeric mesh shall extend into the ground 3-inches min.
9. Drive or place the fence posts into the ground 18-inches min. A 12–inch min. depth is allowed if topsoil or other soft subgrade soil is not present and 18-inches cannot be reached. Increase fence post min. depths by 6 inches if the fence is located on slopes of 3H:1V or steeper and the slope is perpendicular to the fence. If required post depths cannot be obtained, the posts shall be adequately secured by bracing or guying to prevent overturning of the fence due to sediment loading.
10. Use steel or equivalent posts. The spacing of the support posts shall be a maximum of 6-feet. Posts shall consist of either:
    - No. 6 steel rebar or larger.
    - ASTM A 120 steel pipe with a minimum diameter of 1-inch.
    - U, T, L, or C shape steel posts with a minimum weight of 1.35 lbs./ft.
    - Other steel posts having equivalent strength and bending resistance to the post sizes listed above.
11. Locate silt fences on contour as much as possible, except at the ends of the fence, where the fence shall be turned uphill such that the silt fence captures the runoff water and prevents water from flowing around the end of the fence.

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12. If the fence must cross contours, with the exception of the ends of the fence, place gravel check dams perpendicular to the back of the fence to minimize concentrated flow and erosion. The slope of the fence line where contours must be crossed shall not be steeper than 3H:1V.
    - Gravel check dams shall be approximately 1-foot deep at the back of the fence. Gravel check dams shall be continued perpendicular to the fence at the same elevation until the top of the check dam intercepts the ground surface behind the fence.
    - Gravel check dams shall consist of crushed surfacing base course, gravel backfill for walls, or shoulder ballast. Gravel check dams shall be located every 10 feet along the fence where the fence must cross contours.

- Refer to Figure 4.2.13 for slicing method details. Silt fence installation using the slicing method specifications:
  1. The base of both end posts must be at least 2- to 4-inches above the top of the filter fabric on the middle posts for ditch checks to drain properly. Use a hand level or string level, if necessary, to mark base points before installation.
  2. Install posts 3- to 4-feet apart in critical retention areas and 6- to 7- feet apart in standard applications.
  3. Install posts 24-inches deep on the downstream side of the silt fence, and as close as possible to the filter fabric, enabling posts to support the filter fabric from upstream water pressure.
  4. Install posts with the nipples facing away from the filter fabric.
  5. Attach the filter fabric to each post with three ties, all spaced within the top 8-inches of the filter fabric. Attach each tie diagonally 45 degrees through the filter fabric, with each puncture at least 1-inch vertically apart. Each tie should be positioned to hang on a post nipple when tightening to prevent sagging.
  6. Wrap approximately 6-inches of fabric around the end posts and secure with 3 ties.
  7. No more than 24-inches of a 36-inch filter fabric is allowed above ground level.

     Compact the soil immediately next to the filter fabric with the front wheel of the tractor, skid steer, or roller exerting at least 60 pounds per square inch. Compact the upstream side first and then each side twice for a total of four trips. Check and correct the silt fence installation for any deviation before compaction. Use a flat-bladed shovel to tuck fabric deeper into the ground if necessary.

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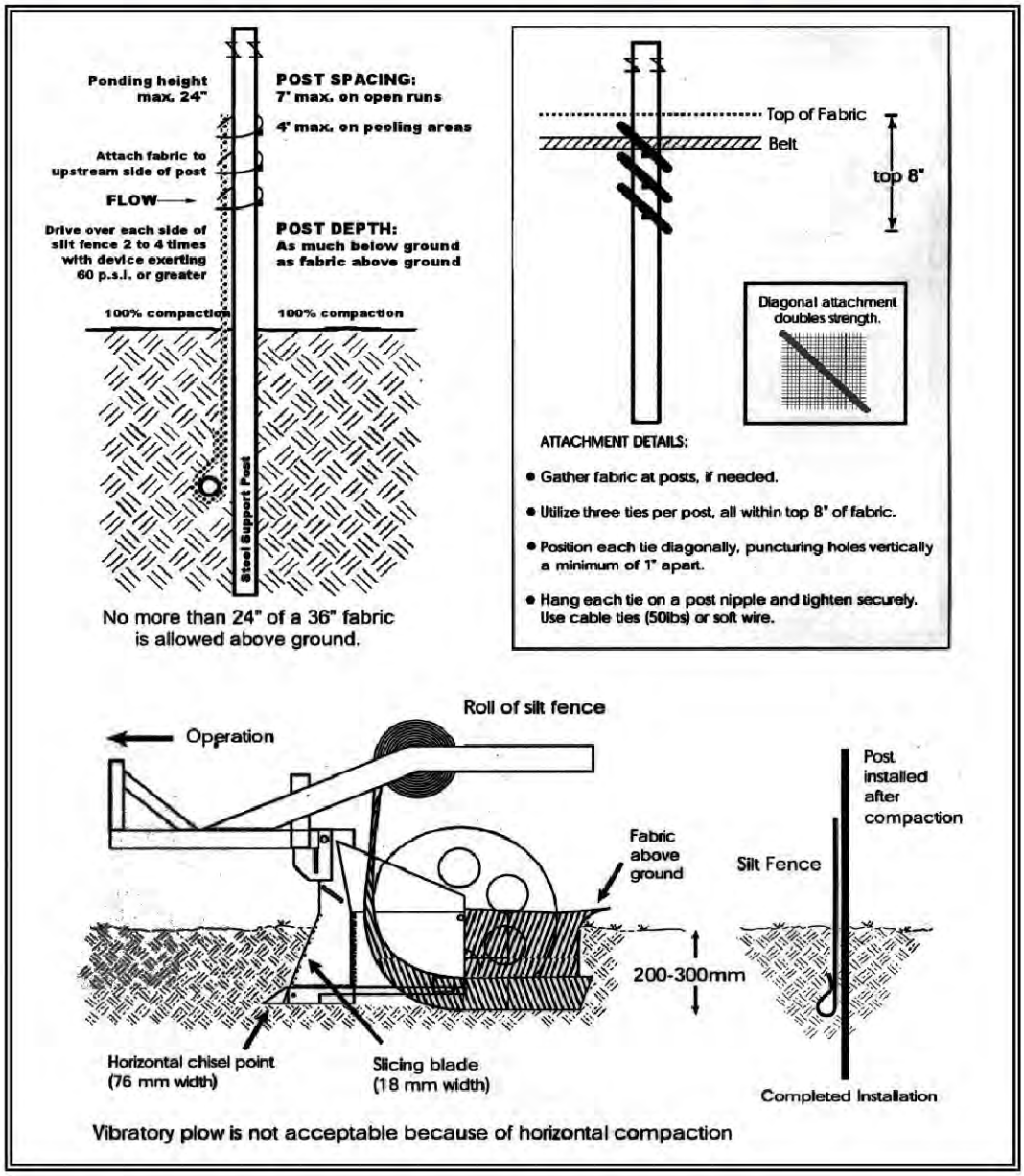

Figure 4.2.13 – Silt Fence Installation by Slicing Method

Maintenance Standards

- Repair any damage immediately.
- Intercept and convey all evident concentrated flows uphill of the silt fence to a sediment pond.
- Check the uphill side of the fence for signs of the fence clogging and acting as a barrier to flow and then causing channelization of flows parallel to the fence. If this occurs, replace the fence or remove the trapped sediment.
- Remove sediment deposits when the deposit reaches approximately one-third the height of the silt fence, or install a second silt fence.
- Replace filter fabric that has deteriorated due to ultraviolet breakdown.

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BMP C235: Wattles

Purpose

Wattles are temporary erosion and sediment control barriers consisting of straw, compost, or other material that is wrapped in biodegradable tubular plastic or similar encasing material. They reduce the velocity and can spread the flow of rill and sheet runoff, and can capture and retain sediment. Wattles are typically 8 to 10 inches in diameter and 25 to 30 feet in length. Wattles are placed in shallow trenches and staked along the contour of disturbed or newly constructed slopes. See Figure 4.2.14 for typical construction details. WSDOT Standard Plan I-30.30-00 also provides information on Wattles (http://www.wsdot.wa.gov/Design/Standards/Plans.htm#SectionI)

Conditions of Use

- Use wattles:
  - In disturbed areas that require immediate erosion protection.
  - On exposed soils during the period of short construction delays, or over winter months.
  - On slopes requiring stabilization until permanent vegetation can be established.
- The material used dictates the effectiveness period of the wattle. Generally, Wattles are typically effective for one to two seasons.
- Prevent rilling beneath wattles by properly entrenching and abutting wattles together to prevent water from passing between them.

Design Criteria

- Install wattles perpendicular to the flow direction and parallel to the slope contour.
- Narrow trenches should be dug across the slope on contour to a depth of 3- to 5-inches on clay soils and soils with gradual slopes. On loose soils, steep slopes, and areas with high rainfall, the trenches should be dug to a depth of 5- to 7- inches, or 1/2 to 2/3 of the thickness of the wattle.
- Start building trenches and installing wattles from the base of the slope and work up. Spread excavated material evenly along the uphill slope and compacted using hand tamping or other methods.
- Construct trenches at intervals of 10- to 25-feet depending on the steepness of the slope, soil type, and rainfall. The steeper the slope the closer together the trenches.
- Install the wattles snugly into the trenches and abut tightly end to end. Do not overlap the ends.
- Install stakes at each end of the wattle, and at 4-foot centers along entire length of wattle.

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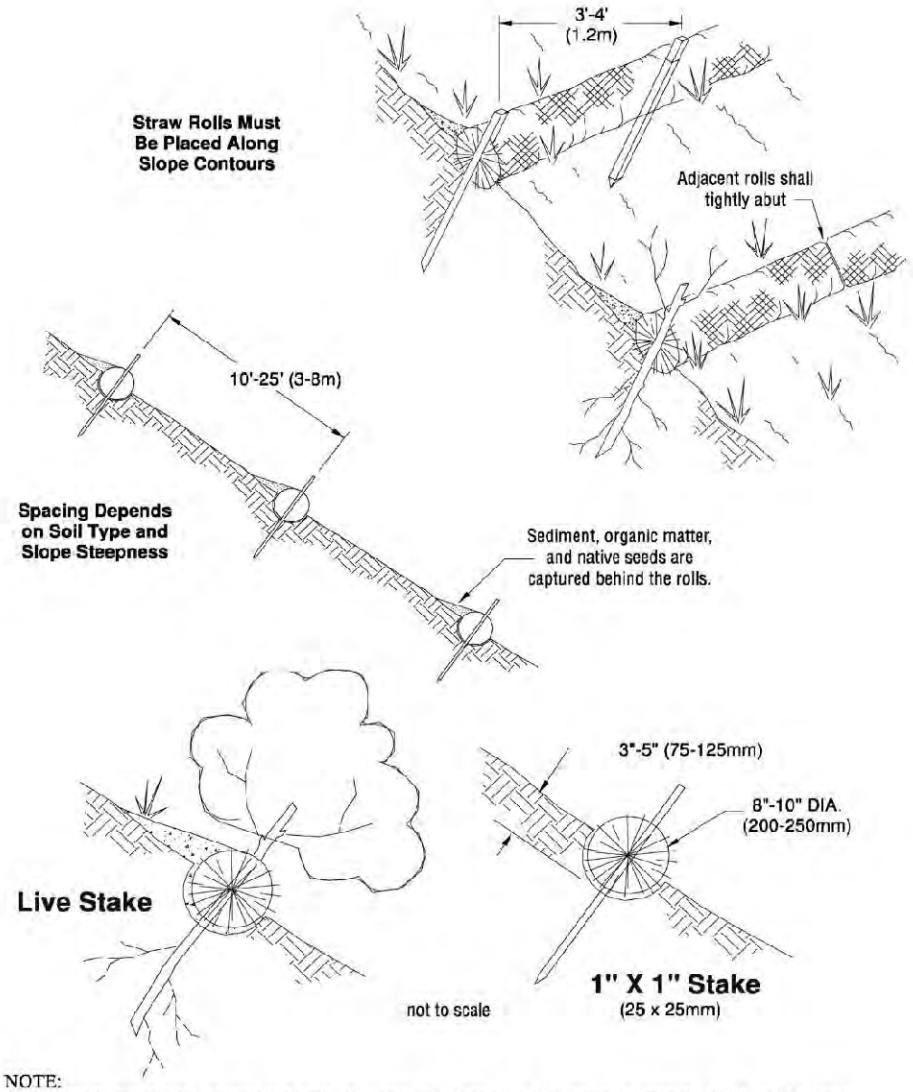
- If required, install pilot holes for the stakes using a straight bar to drive holes through the wattle and into the soil.
- Wooden stakes should be approximately 3/4 x 3/4 x 24 inches min. Willow cuttings or 3/8-inch rebar can also be used for stakes.
- Stakes should be driven through the middle of the wattle, leaving 2 to 3 inches of the stake protruding above the wattle.

Maintenance Standards

- Wattles may require maintenance to ensure they are in contact with soil and thoroughly entrenched, especially after significant rainfall on steep sandy soils.



NOTE:
1. Straw roll installation requires the placement and secure staking of the roll in a trench, 3"-5" (75-125mm) deep, dug on contour. runoff must not be allowed to run under or around roll.

Figure 4.2.14 – Wattles

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City of Bellevue

Clearing & Grading
Development Standards

Tree Protection Requirements

BMP T101: Tree Protection Requirements

Purpose

The section identifies management practices to employ at construction sites to guarantee successful tree and vegetation protection before, during, and through a lifetime of site use and maintenance. The City of Bellevue regulates and manages tree retention during development through the Land Use Code and the Clearing and Grading Code. Trees and vegetation are preserved for several reasons:

- To sustain both the function and value of vegetation assets
- To enhance public safety by carefully maintaining the health of onsite vegetation and to reduce liability
- To contain costs associated with site restoration
- To reduce or avoid soil compaction and degradation
- To avoid physical injury to existing trees
- To avoid root injury to trees and other vegetation
- To protect soils and hydraulic integrity of the entire site
- To protect existing irrigation, utilities and underground drainage
- To prevent sediment-laden and/or polluted runoff from entering drainage systems and water bodies (streams, wetlands, lakes).

Definitions

Critical Root Zone (CRZ) - The circular area around the base of a tree calculated as the distance to the furthest extent to the tree's dripline.

Development Project - Any construction activity including demolition, grading, drainage improvements, new construction of main house or accessory structures, added square footage to existing main house or accessory structures, site preparation and landscaping.

Diameter at Breast Height (DBH) - The diameter of the tree trunk at four and one-half feet (or 54 inches) above natural grade level. The diameter may be calculated by using the following formula: DBH= circumference at 4.5-feet x 3.14. To determine the DBH of multi-trunk trees or measuring trees on slopes, consult the current Guide for Plant Appraisal, published by the Council of Tree and Landscape Appraisers.

Drip line - The circular area around the base of a tree measured by the furthest lateral extent of the foliage.

Project Arborist - A qualified professional who is qualified to evaluate trees such as a Certified Arborist, a Registered Consulting Arborist, a Licensed Landscape Architect or a Certified Forester. The project arborist is responsible for decisions related to vegetation on site before, during and after construction.

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Project Manager - The person assigned to the construction project by the department or the contractor who is responsible for managing the overall project. Project management duties include schedule, budget, and related logistics, including construction site management.

Tree Protection Site Plan (Base Map) - A set of drawings that show existing site conditions and proposed landscape improvements, including trees to be removed, relocated or to be retained. Site plans shall include the following minimum information that may affect trees:

A. Surveyed location, species, size, drip line area of significant (including trees located on neighboring property that overhang the project site) and Street Trees within 30-feet of the project site.

B. Paving, concrete, trenching or grade change located within the **Tree Protection Zone (TPZ).**

C. Existing and proposed utility pathways.

D. Surface and subsurface drainage and aeration systems to be used.

E. Walls, tree wells, retaining walls and grade change barriers, both temporary and permanent.

F. Landscaping, irrigation and lighting within TPZ of trees.

G. All of the final approved site plan sheets shall reference tree protection instructions.

Significant Tree - A healthy evergreen or deciduous tree, eight inches in diameter or greater at four feet above existing grade. (Land Use Code 20.50.046)

Street Tree - means any tree growing within the street right-of-way, outside of private property.

Tree Appraisal - means a method of determining the monetary value of a tree as it relates to the real estate value of the property, neighborhood, or community.

Tree Protection Plan (TPP) - A plan prepared by a certified arborist that outlines measures to protect and preserve trees.

Tree Protection Zone (TPZ) - The circular area around a tree calculated as one foot of radius for every inch of DBH, or at least 6 feet, whichever is greater that is required to be protected with a fenced enclosure.

Tree Protection Fencing - A temporary enclosure erected around a tree to be protected at the boundary of the tree protection zone. Tree protection fencing should consist of six 6 foot high chain link fence, mounted on two inch diameter metal posts, driven into the ground to a depth of at least 2-feet at no more than 10-foot spacing.

Warning Sign - A warning sign shall be prominently displayed on each fence. The sign shall be a minimum of 8.5 x 11-inches and clearly state: "WARNING – Tree Protection Zone - This fence shall not be removed and any injury to this or these trees is subject to penalty according to BCC 14.06.100."

Conditions of Use

Trees and vegetation can be impacted during construction in many ways and often times the damage is not seen for several months or even years after the construction is completed. Proper tree protection can benefit not only the tree by reducing stress during construction but also the developer and property owner by reducing long term costs associated with future maintenance. The cost of

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removing a tree killed by construction after development is usually greater than the cost of protecting the tree during construction.

Common types of tree injuries that occur during construction may include:

- Mechanical injury to roots, trunk or branches
- Compaction of soil by storing of materials or equipment, which degrades the functioning of roots, inhibits the development of new roots and restricts drainage.
- Changes in existing grade which can cut or suffocate roots
- Alteration of the water table - either raising or lowering
- Changes in drainage patterns that promotes erosion or excessive accumulation of runoff
- Sterile soil conditions associated with stripping off topsoil
- Damage to roots from dumping of liquids or rinsing of construction equipment

Not all damage occurs to trees and vegetation during the actual construction of buildings or structures. Trees are often damage during the landscaping phase after the heavy equipment and workers have left. Installing irrigation, applying topsoil and turf installation also causes damage to trees. All construction-related impacts can produce long-term maintenance problems that can be avoided by following the BMPs set forth in the remainder of this chapter.

Planning & Permitting Phase

- Inventory and evaluate all existing trees on the site and trees immediately adjacent with driplines or expected root zones extending onto the project site. The inventory and evaluation shall include, but not be limited to the following information:

  Tree species

  Tree size in DBH and canopy spread

  Tree condition or observed defects

  Tree numbers that are included in an inventory table

  A calculation of the total diameter inches of significant trees on the site along with an indication of the interior or perimeter location of the tree, if applicable to the proposed development type and tree retention.

  Tree map showing the location of the existing significant trees on the site with numbers corresponding to the tree inventory table.

- **Submit a Tree Protection Plan (TPP)** prepared by a Project Arborist that includes the following information:

  Location of and description all significant trees that will remain on the project site per LUC 20.20.900

  Illustration of the Tree Protection Zone (TPZ) for each tree is a radius of 1.5 feet for every inch of DBH or a minimum of 6 feet, whichever is greater.

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The TPZ will regularly exceed the Critical Root Zone (CRZ), which is the outer edge of the tree's canopy, or drip line. The reduction of TPZ closer to the CRZ must be accompanied by mitigating measures and be approved in writing by the City of Bellevue. The TPZ may not be smaller than the CRZ.

Description of expected tree protection techniques that will be used on the project as per the Land Use Code and the Clearing and Grading Code All tree removal and pruning needed to make room for future structures and construction equipment should also be drawn on the base map

A timetable for project meetings with the Project Team including a pre-construction meeting and the schedule for the Project Arborist monitoring.

Calculation of appraisal amounts to be collected by the City as an assurance device in the form of a deposit equal to the tree appraisal value of all protected trees as determined under the methods described in the Guide for Establishing Value of Trees and Other Plants, published by the International Society of Arboriculture.

Pre-Construction Site Preparation Phase

- Stage equipment away from trees and vegetation to be retained so that existing plants and their roots are protected.
- Fence off with chain link or construction fencing all entry and exit routes. When planning routes, avoid utility access corridors.
- Protect irrigation and drainage systems shall from damage unless plans call for renovation of such systems.
- Stake and/or flag clearing limits and tree protection to be verified and approved by the City's clearing and grading inspector at the required preconstruction meeting.
- Project Arborist will supervise and verify the following tree protection measures are in place and comply with the approved TPP:

A 6" layer of coarse mulch or woodchips is to be placed beneath the Tree Protection Zone (TPZ) of the protected trees. Mulch is to be kept 12" from the trunk.

Trees that have been identified in the site inventory as posing a health or safety risk may be removed or pruned by no more than one-third, subject to approval of the required permit by the City of Bellevue. Pruning of existing limbs and roots shall occur under the direction of the Project Arborist.

Tree Protection Fencing of 6' chain link fencing shall be installed around the TPZ of protected tree(s). The fencing can be moved within the TPZ if authorized by the Clearing and Grading Inspector and the Project Arborist but not closer than 2' from the trunk of any tree. Fence posts shall be 1.5" in diameter and are to be driven 2' into the ground. The distance between posts shall not be more than 10'.

Tree protection fencing shall have a warning signs prominently installed on each fence at 20-foot intervals. The sign shall be a minimum 8.5-

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inches x 11-inches and clearly state: "WARNING - Tree Protection Zone"

Movable barriers of chain link fencing secured to cement blocks may be substituted for "fixed" fencing if the Project Arborist and City Staff agree that the fencing will have to be moved to accommodate certain phases of construction. The builder may not move the fence without authorization from the Project Arborist and City Staff.

Should temporary access into the TPZ be approved, an additional 3" layer of gravel and ¾" plywood shall be placed over the CRZ.

Construction Phase

During the Construction phase, ensure the TPP is being followed and report any conflicts or deviations to the City of Bellevue Clearing and Grading Inspector. Monitor construction activities that require encroachment within the TPZ, such as grading or trenching.

Avoid the following conditions:

1. Allowing run off or spillage of damaging materials into the approved TPZ.

2. Storing construction materials or portable toilets, stockpiling of soil, or parking or driving vehicles within the TPZ.

3. Cutting, breaking, skinning, or bruising roots, branches, or trunks without first obtaining authorization from the Project Arborist.

4. Discharging exhaust into foliage.

5. Securing cable, chain, or rope to trees or shrubs.

6. Trenching, digging, tunneling or otherwise excavating within the CRZ or TPZ of the tree(s) without first obtaining authorization from the Project Arborist.

Periodically inspect during construction - at four-week intervals - to assess and monitor the effectiveness of the TPP and provide recommendations for any additional care or treatment. More frequent may be required based on the TPP.

The following activities should be observed and inspected by the project arborist during the construction phase to ensure compliance with the approved TPP:

1. Only excavation by hand or compressed air shall be allowed within the TPZ of trees. Machine trenching shall not be allowed.

2. In order to avoid injury to tree roots, when a trenching machine is being used outside of the TPZ of trees, and roots are encountered smaller than 2", the wall of the trench adjacent to the trees shall be hand trimmed, making clear, clean cuts through the roots. All damaged, torn and cut roots shall be given a clean cut to remove ragged edges, which promote decay. Trenches shall be filled within 24 hours, but where this is not possible, the side of the trench adjacent to the trees shall be kept shaded with four layers of dampened, untreated burlap, wetted as frequently as necessary to keep the burlap wet. Roots 2" or larger, when encountered, shall be reported immediately to the Project Arborist, who will decide whether the Contractor may cut the root as mentioned above or shall excavate by hand or with compressed air under the root. All exposed roots are to be protected with dampened burlap.

3. Route pipes outside of the TPZ of a protected tree to avoid conflict with roots. Where it is not possible to reroute pipes or trenches, bore or tunnel beneath

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the TPZ of the tree. The boring shall take place not less than 3' below the surface of the soil in order to avoid encountering "feeder" roots. All boring equipment must be staged outside of the TPZ.

4. All grade changes adjacent to the TPZ of a significant tree shall be supervised by the Project Arborist. Cuts or Fills of soil that are adjacent to the TPZ will have a retaining wall system designed in consultation with the Project Arborist and approved in writing by City Staff.

5. Any damage due to construction activities shall be reported to the Project Arborist and City Staff within six hours so that remedial action can be taken.

6. The Project Arborist shall be responsible for the preservation of the designated trees. Should the builder fail to follow the tree protection specifications, it shall be the responsibility of the Project Arborist to report the matter to City Staff as an issue of non-compliance.

Post-Construction

The Post-Construction Phase begins when the equipment leaves and the new tenants move in. Important follow-up monitoring of the protected trees will help ensure their survival and identify signs of early stress.

The applicant shall arrange with the Project Arborist for the long-term care and monitoring of preserved trees by complying with the following conditions:

1. Complete post-construction tree maintenance, including pruning, mulching, fertilization, irrigation, and soil aeration where necessary.

2. Remove, by hand, all soil and root protection material such as wood chips, gravel and plywood.

3. Provide for remediation of compacted soil by methods such as aeration or vertical mulching.

4. Apply at least 1 inch of water per week by deep watering in the absence of adequate rainfall.

5. Fertilize trees with slow released phosphorus, potassium, calcium, magnesium, and other macro- and micro-nutrients as indicated by a soil test, but wait at least one year to apply any nitrogen.

6. Fertilize lightly with slow release nitrogen after 1 year, and then make annual light nitrogen applications for the next 3 to 5 years.

7. Inspect trees annually for at least 3 and up to 5 years after construction to look for changes in condition and signs of insects or disease, and to determine maintenance needs.

8. Remove trees that are badly damaged or are in irreversible decline as determined by the Project Arborist and City Staff.

9. Continue to protect not only the large, established trees on the site but also those newly planted in the landscape as per LUC 20.20.520.K.

10. Provide annual inspection reports to the City.

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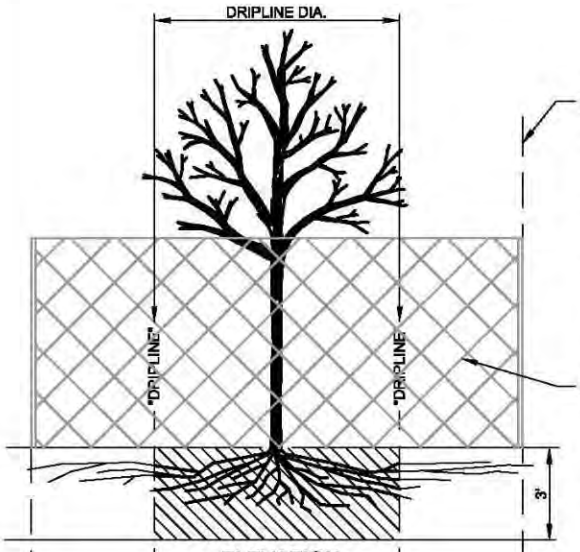
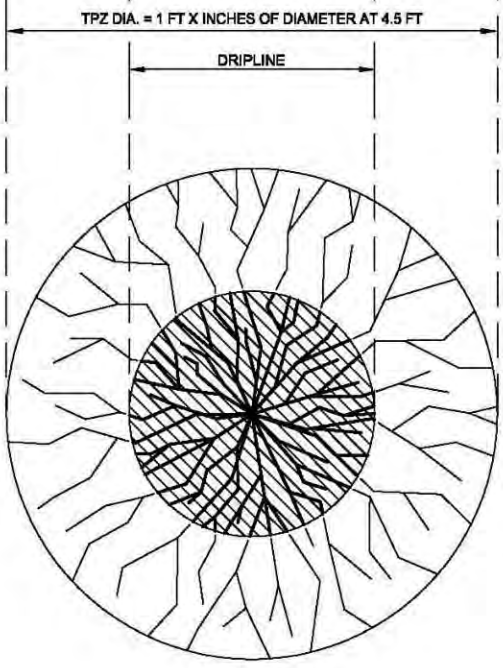


ELEVATION



PLAN VIEW

Tree Protection Zone (TPZ)

- Extends from tree trunk to 1 foot for every inch of trunk diameter measured at 4.5 feet above grade or 6' whichever is greater.
- Protective fencing to remain installed at all times.
- Working within TPZ restricted to City approved personnel and supervised by Project Arborist.
- No storage of equipment or materials within TPZ, or washing of equipment in or within 10' of TPZ.

Tree Protection Fencing

- Minimum 6' chain link fencing installed completely around TPZ consistent with Site Plan. See Tree Protection Detail TP-2.
- Fencing shall have 1.5" steel posts to be driven 2' into the ground no more than 10' apart.
- Tree protection signs shall be posted on fencing no more than 20' apart.
- Apply a 4-6" layer of wood chips 12" from tree trunk.

Dripline

- Extends from trunk to outer canopy edge - Drip Line.
- Absolutely no storage of equipment or materials within Dripline.
- Access restricted based on City approval and Project Arborist supervision required.
- No trenching within Dripline; tunneling must have approval from City.

Root Protection in Tree Protection Zone

- Use/access into TPZ shall be upon approval from City and supervised by Project Arborist.
- Additional layer of 3" gravel and ¾" plywood shall cover Dripline when authorized work being performed in TPZ.
- All wood chips, gravel and plywood to be removed by hand upon project completion.

DRAWING NUMBER	TP-1
SCALE	NONE
REVISION DATE	1/10
DEPARTMENT	ALL

TREE PROTECTION PROCEDURES DURING CONSTRUCTION

City of Bellevue

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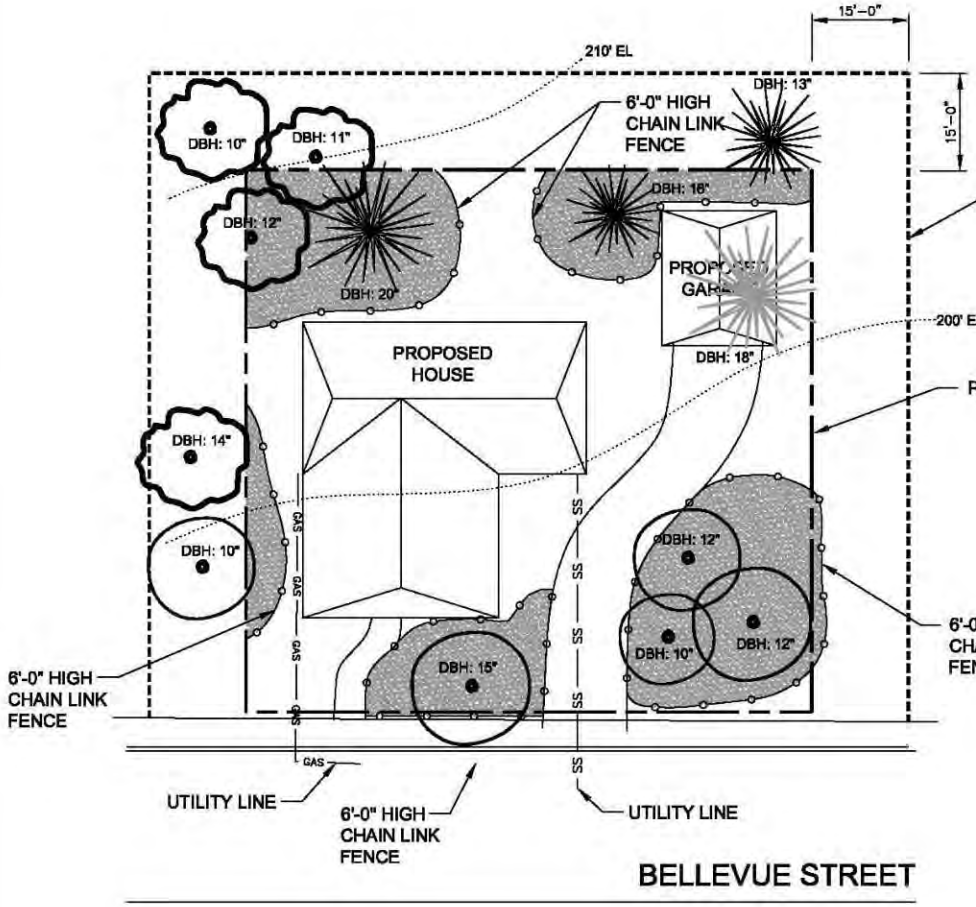

Legend

- *Acer macrophyllum* (bigleaf maple)
- *Fraxinus latifolia* (Oregon white ash)
- *Pseudotsuga menziesii* (Douglas-fir)
- *Existing tree to be removed*

Arborist: Johnny Appleseed
Contact: 425-452-4188

General Notes

1. 6'-0" HIGH CHAIN LINK FENCE IS PLACED 1.5 FEET PER INCH DBH AND DEFINES THETREE PROTECTION ZONE (TPZ).
2. STAKES WILL BE 1.5" IN DIAMETER, DRIVEN INTO GROUND 2' AND PLACED NO FURTHER THAN 10 FEET APART.
3. TREE PROTECTION SIGNAGE SHALL BE INSTALLED AT INTERVALS NO LESS THAN 20' APART. SEE TREE PROTECTION SIGNAGE DETAIL # TP-4.

City of Bellevue

TREE PROTECTION SITE PLAN

DRAWING NUMBER	TP–2
SCALE	NONE
REVISION DATE	1/10
DEPARTMENT	ALL

CITY OF BELLEVUE WASHINGTON
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City of Bellevue 23 103210 GD Page 78 of 124
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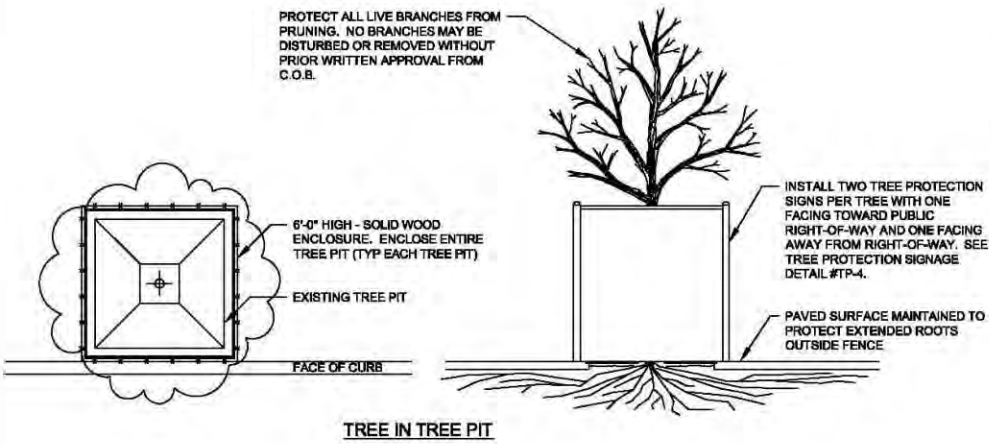
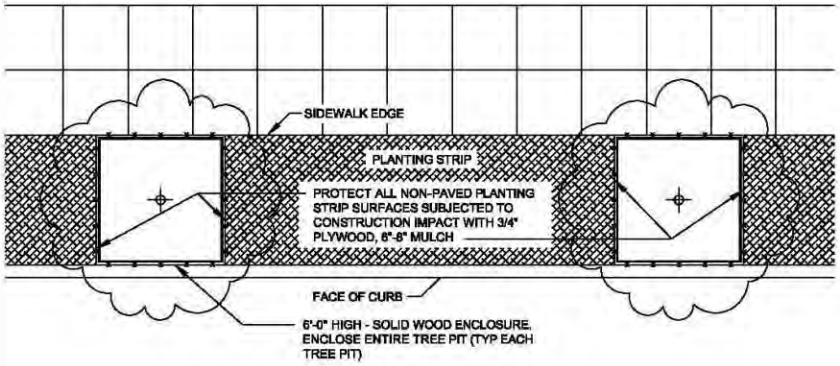
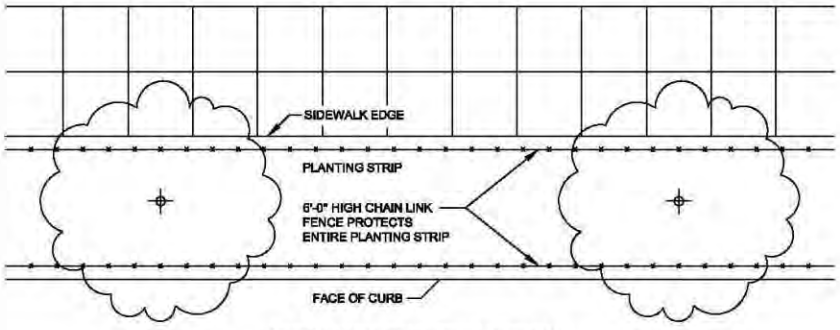


TREE IN TREE PIT



TREE IN PLANTING STRIP-OPTION 1



TREE IN PLANTING STRIP-OPTION 2

NOTE:
DURING CURB REPLACEMENT, ROOTS WITHIN 6 INCHES OF DEPTH FROM BOTTOM OF CURB SHALL BE CUT WITH A CLEAN, SHARP SAW. ROOTS GREATER THAN 6 INCHES DEEP SHALL BE PRESERVED, UNLESS SPECIFICALLY DIRECTED BY C.O.B.

DRAWING NUMBER	TP-3
SCALE	NONE
REVISION DATE	1/10
DEPARTMENT	ALL

TREE PROTECTION STANDARD

City of Bellevue

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WARNING

TREE PROTECTION ZONE (TPZ)

- This fence shall not be removed and any injury to this or these trees is a violation of **BCC 20.20.900**.
- No grade change, storage of materials, vehicles or equipment is permitted within this TPZ
- No unauthorized entry is permitted
- This fence shall not be removed without written authorization of the City of Bellevue and supervision by the Project Arborist

Permit # _____

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City of Bellevue 23 103210 GD Page 80 of 124

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CITY OF BELLEVUE
TRANSPORTATION DEPARTMENT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

CITY MANAGER
DIANE CARLSON

MAYOR
MO MALAKOUTIAN

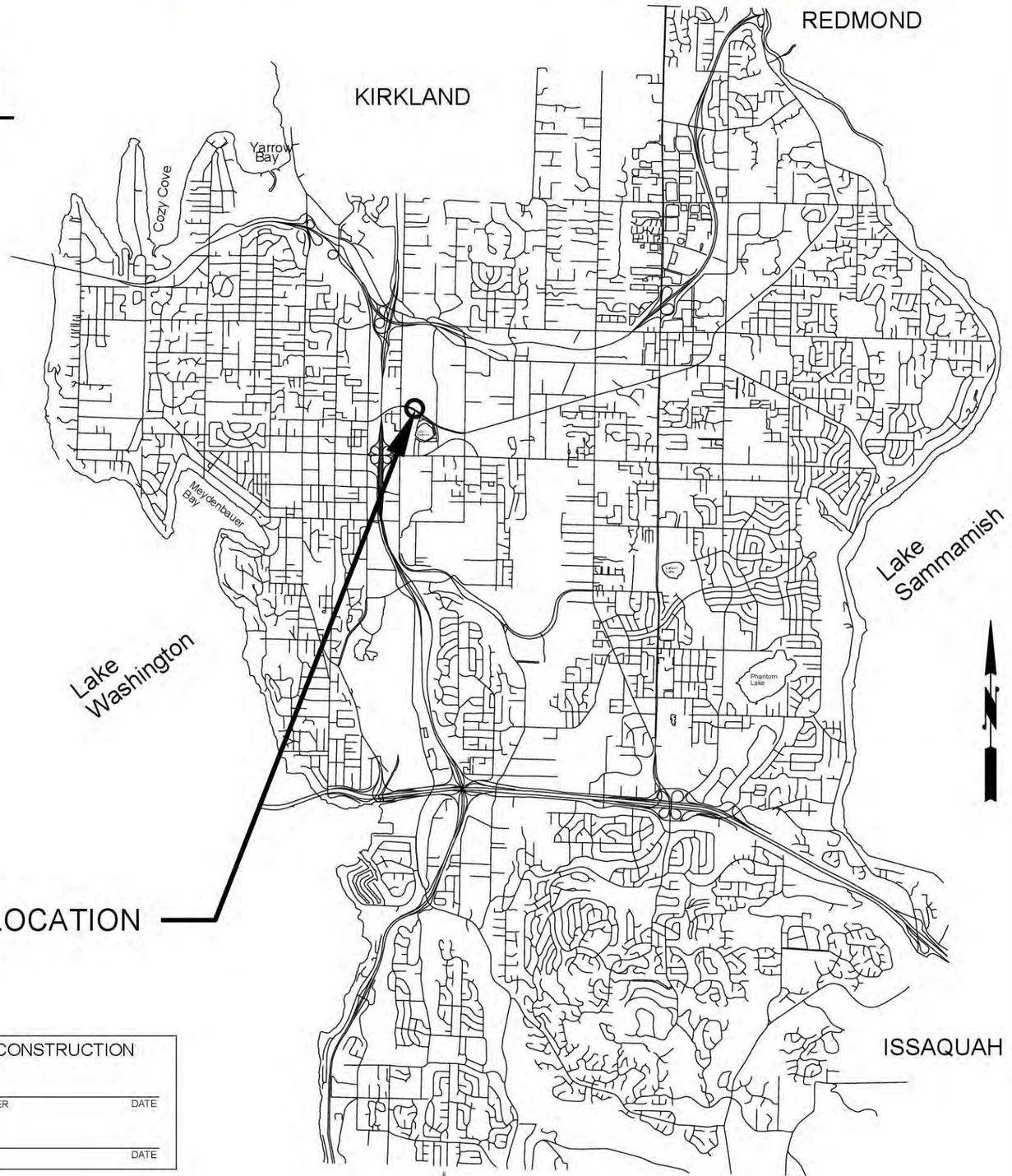
DIRECTOR OF TRANSPORTATION
ANDREW SINGELAKIS

DEPUTY MAYOR
DAVE HAMILTON

CITY COUNCIL
VISHAL BHARGAVA
NAREN BRIAR
JARED NIEUWENHUIS
LYNNE ROBINSON
CLAIRE SUMADIWIRYA

SCHEDULE OF DRAWINGS

REF. NO.	SHEET	DRAWINGS
-	1	COVER SHEET
GEN01	2	LEGEND & GENERAL NOTES
TS01 - TS02	3-4	TYPICAL SECTIONS
AL01	5	ALIGNMENT/CONTROL PLAN
SP01 - SP02	6-7	SITE PREPARATION AND ESC PLAN
UT01 - UT02	8-9	UTILITY PLAN AND DETAILS
WA01 - WA05	10-14	WALL PLANS, PROFILES, SECTIONS AND DETAILS
WA06	15	BIKE/PEDESTRIAN RAILING DETAILS
WA07-WA10	16-19	WALL 1 & 2 FINISH DETAILS
AF01	20	ARTWORK FOUNDATION DETAILS
TP01 - TP03	21-23	TRAIL PLAN AND PROFILE
TD01	24	SIDEWALK JOINT LAYOUT PLANS
TD02	25	PAVING AND SITE FURNISHING DETAILS
ST01 - ST02	26-27	CEMENT CONC. STAIRS PLAN, PROFILE AND DETAILS
CH01 - CH02	28-29	ELECTRICAL, SIGNING AND CHANNELIZATION PLAN
IR01 - IR04	30-33	IRRIGATION PLAN
LA01 - LA04	34-37	MITIGATION GRADING AND PLANTING PLAN
LA05- LA06	38-39	ORNAMENTAL PLANTING PLAN
TCP01 - TCP04	40-43	TRAFFIC CONTROL AND PEDESTRIAN DETOUR PLAN
-	44	ROW PLAN



C.I.P. NUMBER G-103
BID NUMBER 26012
FEDERAL AID NUMBER STPUL-0075(031)

APPROVED FOR CONSTRUCTION

TRANSPORTATION DESIGN MANAGER DATE

PROJECT MANAGER DATE

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CONSTRUCTION LEGEND

- CONSTRUCTION NOTE
- SIGN NOTE
- DRAINAGE NOTE
- WATER NOTE
- CHANNELIZATION NOTE
- SITE PREPARATION NOTE
- TRAIL/SIDEWALK LAYOUT POINT
- CURB RETURN DATA POINT
- CONSTRUCTION CENTERLINE
- CITY OF BELLEVUE RIGHT-OF-WAY
- WSDOT LIMITED ACCESS
- PROPERTY LINE
- EASEMENT
- CUT — APPROX. CUT LINE
- FILL — APPROX. FILL LINE
- CG — CG — APPROX. CLEAR AND GRUB LIMITS
- CURB
- ROCK WALL
- P — P — POWER
- SD — SD — STORM DRAIN
- W — W — WATER LINE
- SS — SS — SANITARY SEWER
- G — G — GAS LINE
- COM — COMMUNICATION LINE
- UGT — TELEPHONE LINE
- UGTV — CABLE TV LINE
- UGFO — FIBER OPTIC CABLE
- EXISTING CONCRETE TO BE REMOVED
- EXISTING ASPHALT TO BE REMOVED
- NEW WALL
- NEW HMA TRAIL
- NEW CONCRETE

EXISTING	PROPOSED	
	— X —	WOOD FENCE
		SIGN
		UTILTY POLE
	P	POWER VAULT
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		CATCH BASIN
		FIRE HYDRANT
		WATER METER
		WATER VALVE
		GAS VALVE
		SANITARY SEWER MANHOLE
		CABLE TELEVISION OR TELEPHONE RISER
		DECIDUOUS TREE
		SHRUB
		CONIFER TREE

ELECTRICAL LEGEND

- SIGNAL POLE STANDARD NUMBER
- SIGNAL NOTE
- CONDUIT RUN NUMBER

EXISTING	PROPOSED	
	— — — —	CONDUIT
		JUNCTION BOX TYPE 1
		JUNCTION BOX TYPE 2
		JUNCTION BOX TYPE 2 MODIFIED (COMMUNICATION)
		JUNCTION BOX TYPE 8
		LARGE COMMUNICATION JUNCTION BOX
		FIBER OPTIC VAULT
		LUMINAIRE POLE
		SERVICE CABINET

TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN 10 FOOT MINIMUM TRAVEL LANES.
2. ALTERNATING TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
3. TRAFFIC CONTROL PLANS HAVE BEEN PROVIDED FOR USE ON THIS PROJECT. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR OPERATIONS THAT DIFFER FROM THE PLANS PROVIDED FOR APPROVAL BY THE CITY AT LEAST 14 DAYS PRIOR TO START OF CONSTRUCTION.
4. THE HOURS FOR CONSTRUCTION ACTIVITY, LANE CLOSURES, OR ACTIVITIES THAT IMPEDE OR MAY POTENTIALLY IMPEDE TRAFFIC SHALL BE ESTABLISHED THROUGH THE APPROVAL PROCESS FOR EACH INDIVIDUAL TEMPORARY TRAFFIC CONTROL PLAN FOR EACH SPECIFIC ACTIVITY. THE WORK HOURS SHALL BE AS STATED ON THE TEMPORARY TRAFFIC CONTROL PLAN OR SHALL BE COMMUNICATED BY THE INSPECTOR ASSIGNED TO THE PROJECT. THE HOURS FOR CONSTRUCTION ACTIVITY IN THE RIGHT OF WAY THAT DOES NOT IMPEDE TRAFFIC SHALL BE MONDAY THROUGH FRIDAY, 8:00AM TO 5:00PM.
5. PEDESTRIAN ACCESS SHALL BE NOT BE IMPEDED. CLOSED TRENCHES, TEMPORARY PAVING SURFACES AND PEDESTRIAN ROUTES SHALL HAVE A STABLE, FIRM AND SLIP RESISTANT WALKING SURFACE MADE EVEN WITH THE SURROUNDING SURFACES. COMPACTED GRAVEL IS NOT CONSIDERED AN ACCEPTABLE WALKING SURFACE.

GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. POTHOLING INFORMATION OBTAINED DURING DESIGN CAN BE FOUND IN APPENDIX G OF THE PROJECT SPECIFICATIONS.
3. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED TO BY THE CITY OF BELLEVUE

NO.	DATE	BY	APPR.	REVISIONS

KC/KP 08/25 DESIGNED BY DATE
GK/KP 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

KYLE JEAN POTUZAK STATE OF WASHINGTON 47719 REGISTERED PROFESSIONAL ENGINEER 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

LEGEND & GENERAL NOTES

GE 01 SH 2 C 44

Issued 02/12/2026

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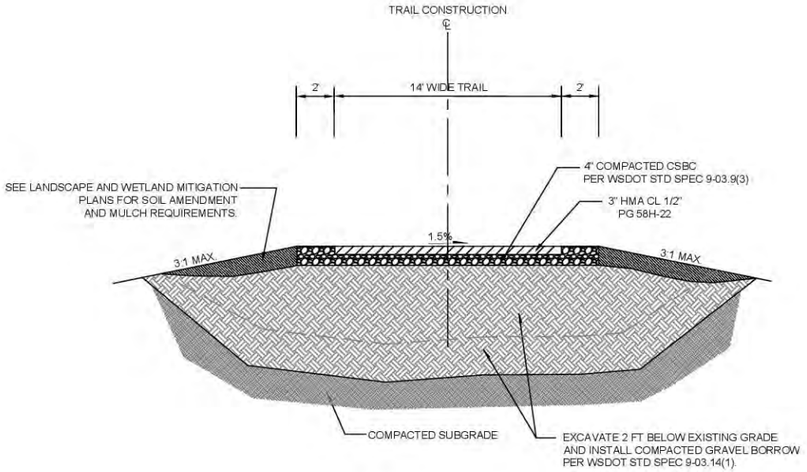
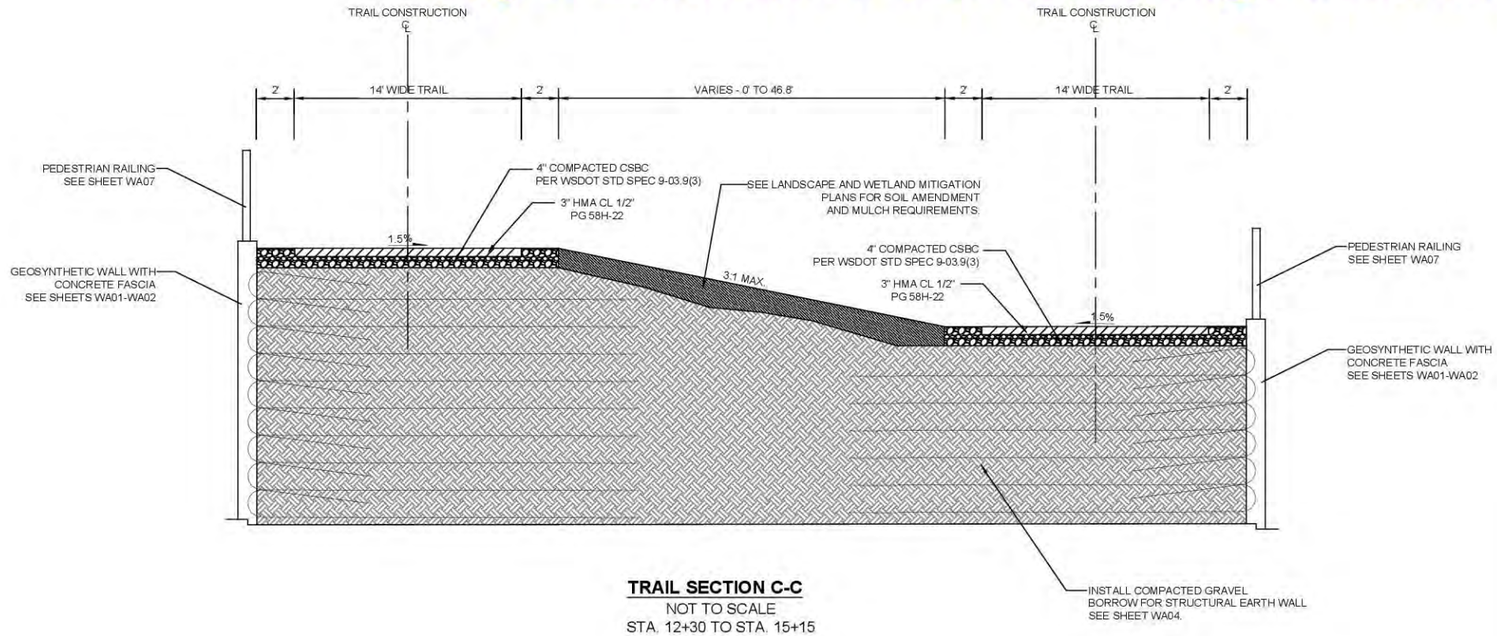
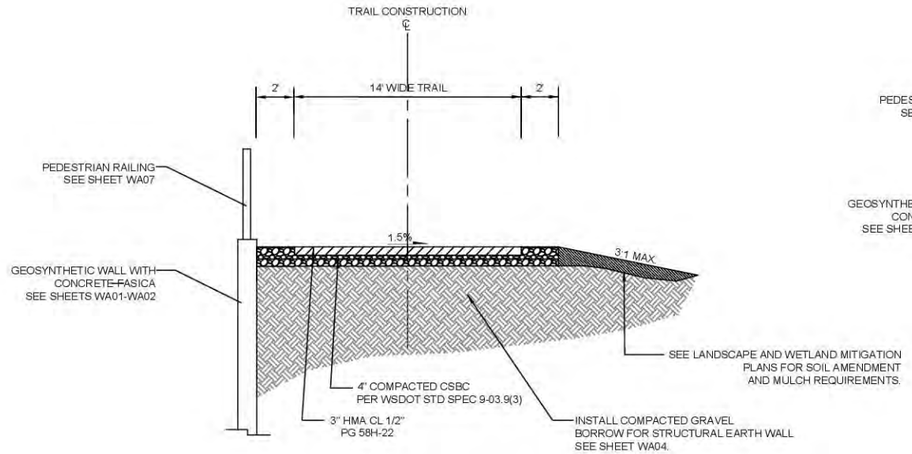


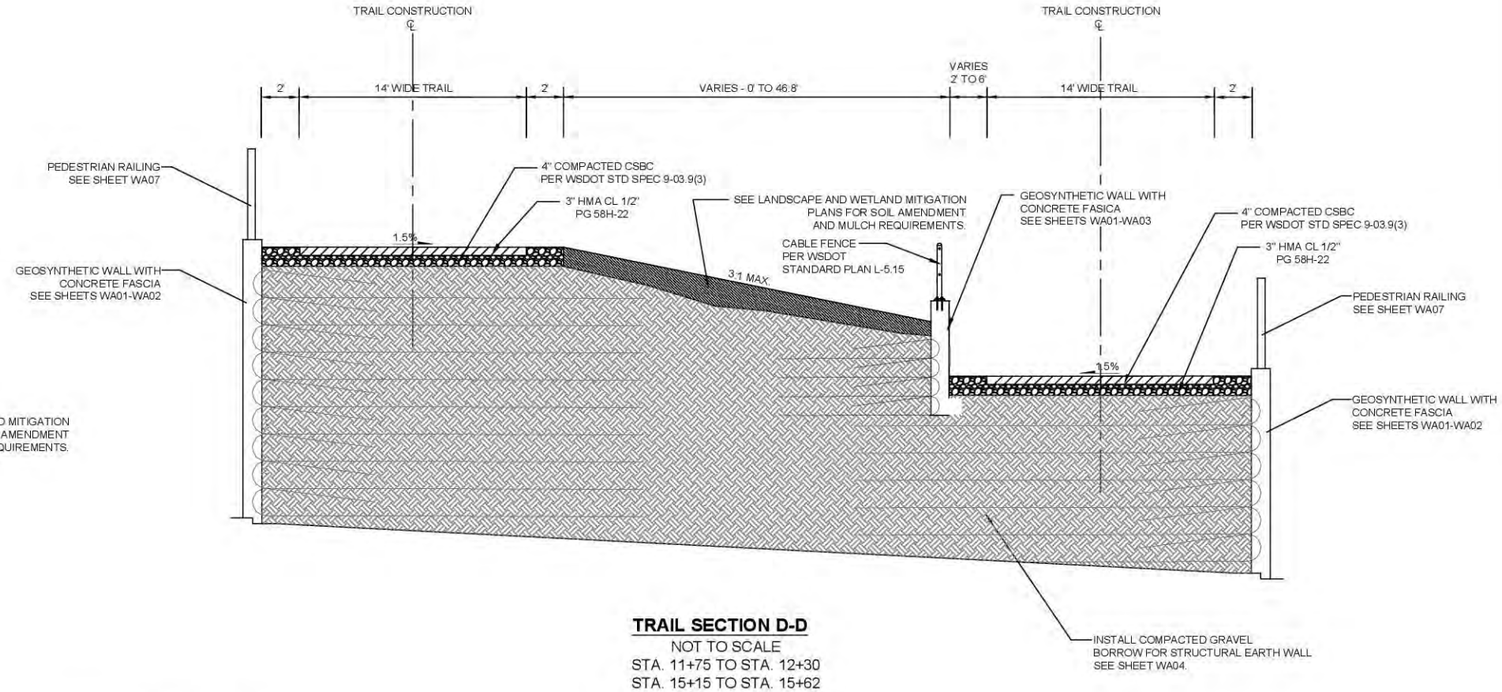
TRAIL SECTION A-A
NOT TO SCALE
STA. 10+62 TO STA. 10+80
STA. 15+80 TO STA. 18+75



TRAIL SECTION C-C
NOT TO SCALE
STA. 12+30 TO STA. 15+15



TRAIL SECTION B-B
NOT TO SCALE
STA. 10+80 TO STA. 11+33
STA. 11+43 TO STA. 11+75



TRAIL SECTION D-D
NOT TO SCALE
STA. 11+75 TO STA. 12+30
STA. 15+15 TO STA. 15+62

NO.	DATE	BY	APPR.	REVISIONS

KC/KP 08/25 DESIGNED BY DATE
GK/KP 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

STEVE JEAN POTTER — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TYPICAL SECTIONS

TSC | SH 3 | C 44

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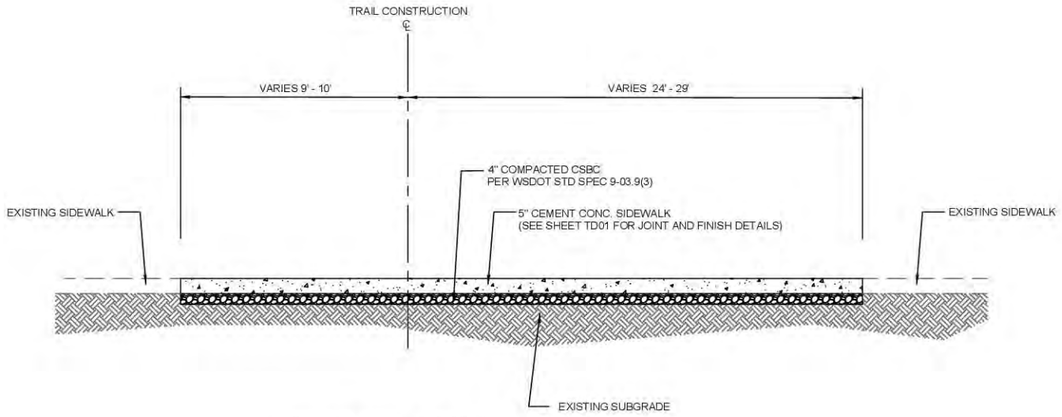
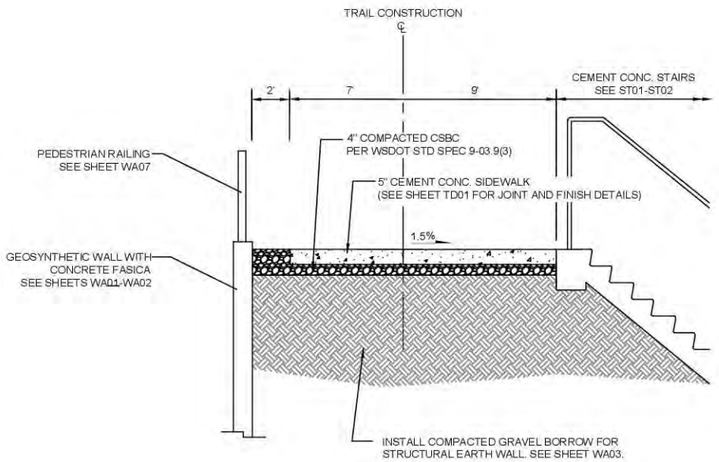
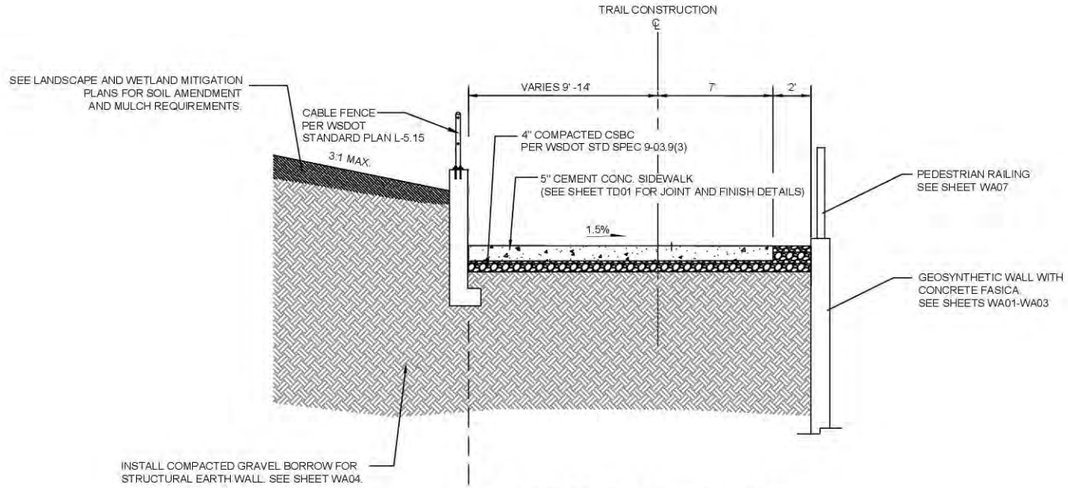


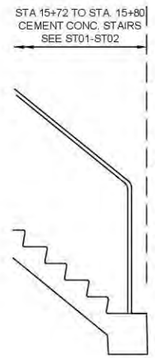
CEMENT CONC. TRAIL SECTION A
NOT TO SCALE
STA. 10+38 TO STA. 10+62



CEMENT CONC. TRAIL SECTION B
NOT TO SCALE
STA. 11+33 TO STA. 11+43



CEMENT CONC. TRAIL SECTION C
NOT TO SCALE
STA. 15+62 TO STA. 15+80



NO.	DATE	BY	APPR	REVISIONS

KC/KP	08/25
DESIGNED BY	DATE
GK/KP	08/25
DRAWN BY	DATE
KP	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

KYLE JEAN POTUZAK — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TYPICAL SECTIONS

TSC2 — SHEET 4 — OF 44

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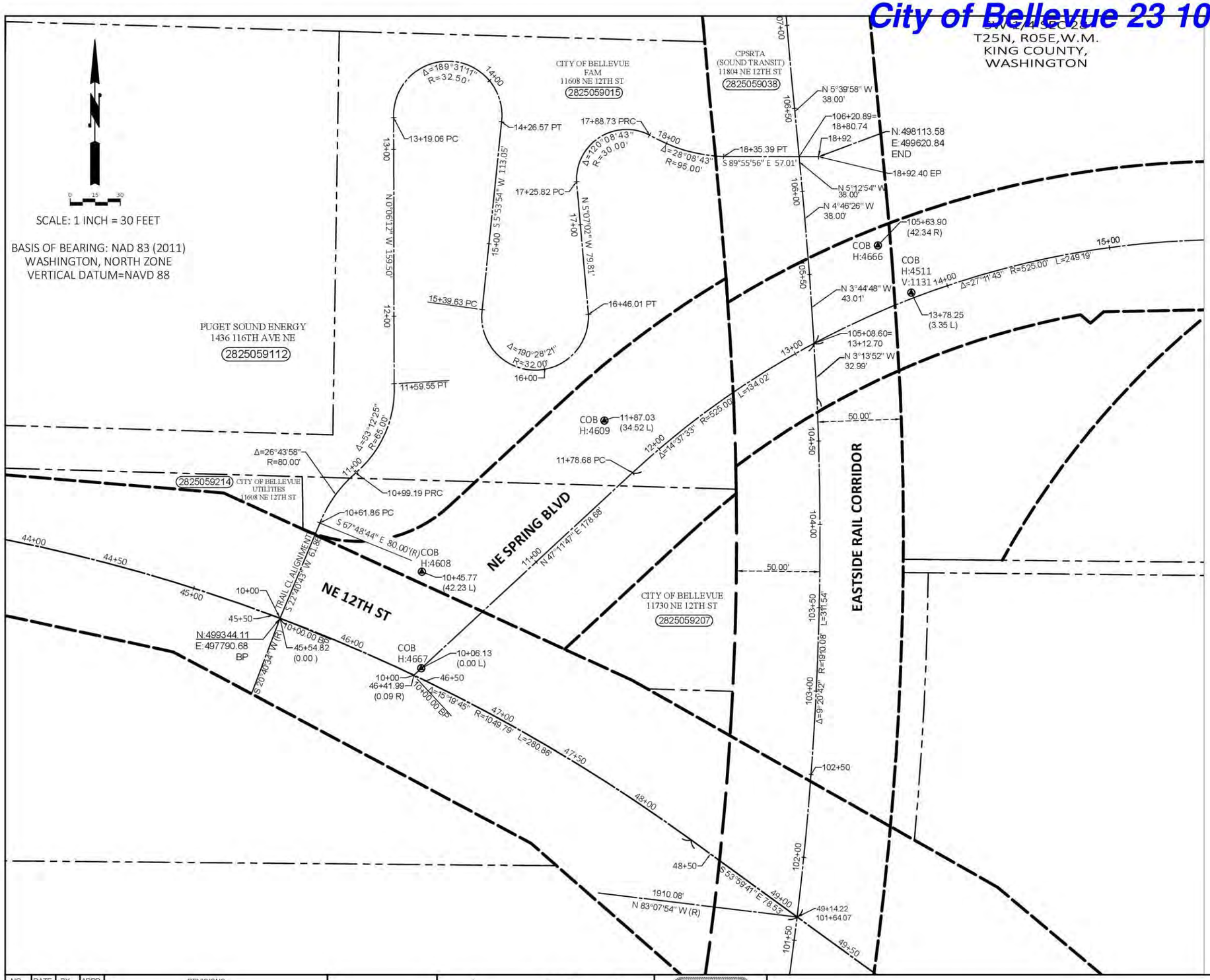
City of Bellevue 23 103210 GD Page 85 of 124



SURVEY CONTROL:

COB H:4608
PUNCH IN 2" CITY OF BELLEVUE ALUMINUM CAP STAMPED, "H4608"
NORTHING: 499,371.99'
EASTING: 497,875.70'

COB H:4609
PUNCH IN 2" CITY OF BELLEVUE ALUMINUM CAP STAMPED, "H4609"
NORTHING: 499,462.63'
EASTING: 497,985.03'

COB H:4511 V:1131
PUNCH IN 2" CITY OF BELLEVUE ALUMINUM CAP STAMPED, "H4511" & "V1131"
NORTHING: 499,539.31'
EASTING: 498,169.09'
ELEVATION: 185.22'

COB H:4666
PUNCH IN 3" CITY OF BELLEVUE ALUMINUM CAP
NORTHING: 499567.61'
EASTING: 498149.09'

COB H:4667
PUNCH IN 3" CITY OF BELLEVUE ALUMINUM CAP IN CASE DN 0.32'
NORTHING: 499314.07'
EASTING: 497875.31'

COB V:1030
TOP OF NORTHWEST BOLT IN LIGHT/SIGNAL POLE BASE STAMPED "V1030". SOUTHEAST QUADRANT OF 116TH AVE NE & NE 12TH ST.
ELEVATION: 189.26

LEGEND:

- MONUMENT (SURFACE)
- PROPERTY LINE
- RIGHT OF WAY EXISTING

NO.	DATE	BY	APPR.	REVISIONS

DJD 11/25/25
DRAWN BY DATE
DEV 11/25/25
CHECKED BY DATE

City of Bellevue
Transportation Department

DOUGLAS J. DAVISON — STATE OF WASHINGTON — REGISTERED PROFESSIONAL LAND SURVEYOR — 01/16/2026

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ALIGNMENT-CONTROL PLAN

DATE 11/25/25 SHT 5 OF 44

Issued 02/12/2026

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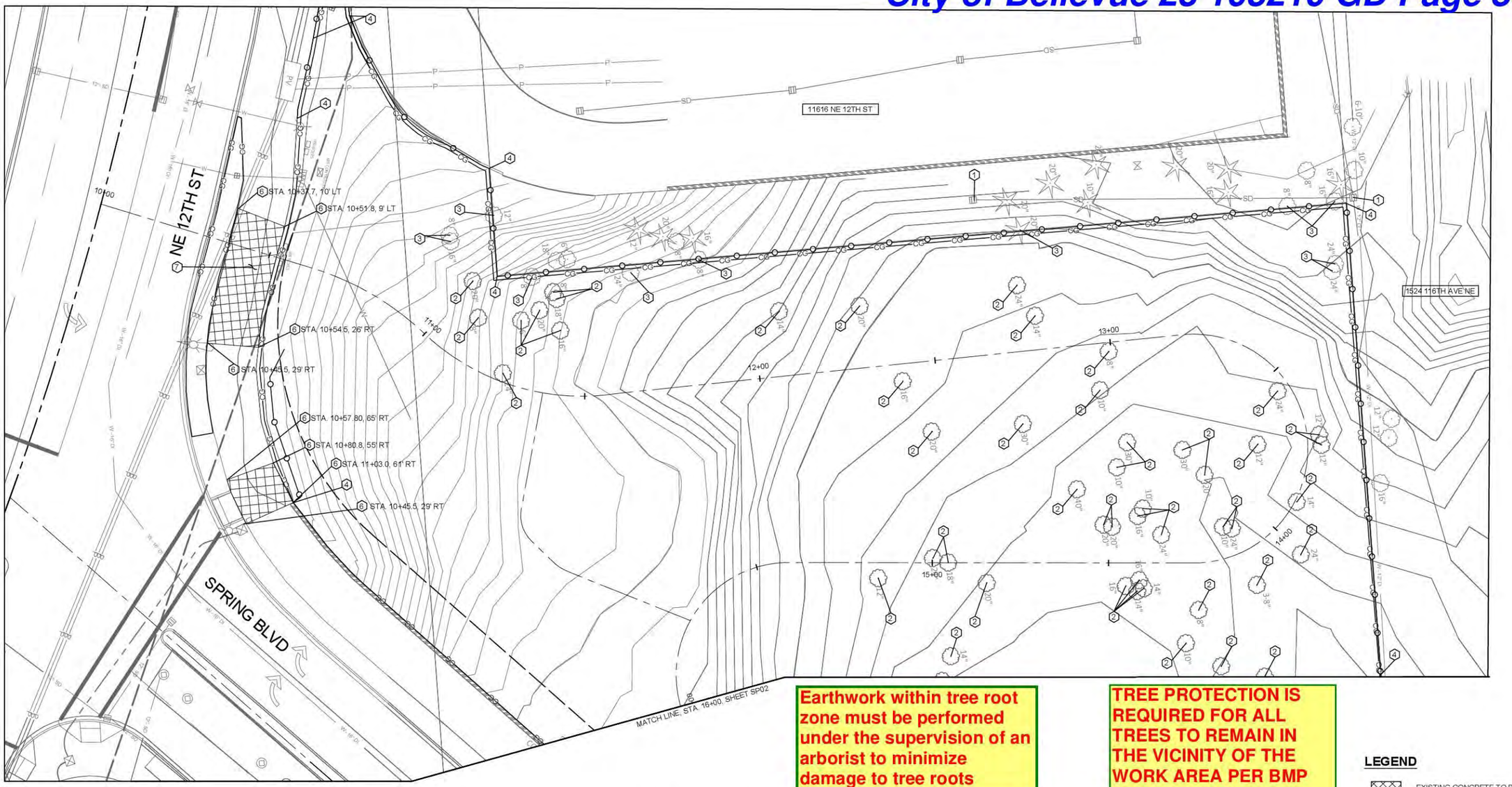

Earthwork within tree root zone must be performed under the supervision of an arborist to minimize damage to tree roots

TREE PROTECTION IS REQUIRED FOR ALL TREES TO REMAIN IN THE VICINITY OF THE WORK AREA PER BMP T101, UNLESS APPROVED FOR REMOVAL UNDER SEPARATE PERMITS

LEGEND

- EXISTING CONCRETE TO BE REMOVED
- APPROX. CLEAR AND GRUBB LIMITS
- HIGH VISIBILITY FENCE

SITE PREPARATION AND EROSION CONTROL NOTES

1. PROVIDE AND INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BMP C220.
2. REMOVE EXISTING TREE AND STUMP.
3. PROTECT AND PRESERVE EXISTING TREE PER CLEAR AND GRADE BMP T101.
4. PROVIDE AND INSTALL HIGH VISIBILITY CONSTRUCTION FENCE PER COB CLEAR & GRADE BMP C103 AND WSDOT STD. PLAN I-10.10-00.
6. REMOVE EXISTING CEMENT CONCRETE SIDEWALK.
7. CONSTRUCT STABLIZED CONSTRUCTION ENTRANCE/EXIT PER CITY OF BELLEVUE CLEAR & GRADE BMP C105.

SITE PREPARATION GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE INFORMATION CONTAINED WITHIN AS-BUILT DRAWINGS, FIELD LOCA AND POTHOLING INFORMATION.
3. ALL CONCRETE AND ASPHALT SURFACES TO BE REMOVED SHALL BE SAWCUT UNLESS ANOTHER METHOD OF REMOVAL IS DESIGNATED IN THE PLANS.
4. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED TO BY THE CITY OF BELLEVUE.
5. THE CONTRACTOR SHALL SUBMIT A FINAL ESC PLAN AND CSWPPP REFLECTING THE CONTRACTORS OPERATIONS PRIOR TO THE START OF CONSTRUCTION.
6. THE CONTRACTOR SHALL PROVIDE PROVIDE A TURBIDITY MONITORING PLAN AND MONITOR TURBIDITY THROUGHOUT THE PROJECT AS REQUIRED BY THE CITY OF BELLEVUE CLEAR AND GRADE PERMIT

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR	REVISIONS

KC/KP 08/25 DESIGNED BY DATE
GK/KP 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

KYLE JEAN PUTNAM STATE OF WASHINGTON 47719 REGISTERED PROFESSIONAL ENGINEER 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

SITE PREPARATION AND ESC PLAN

SP01 Sh. 6 of 44

Issued 02/12/2026

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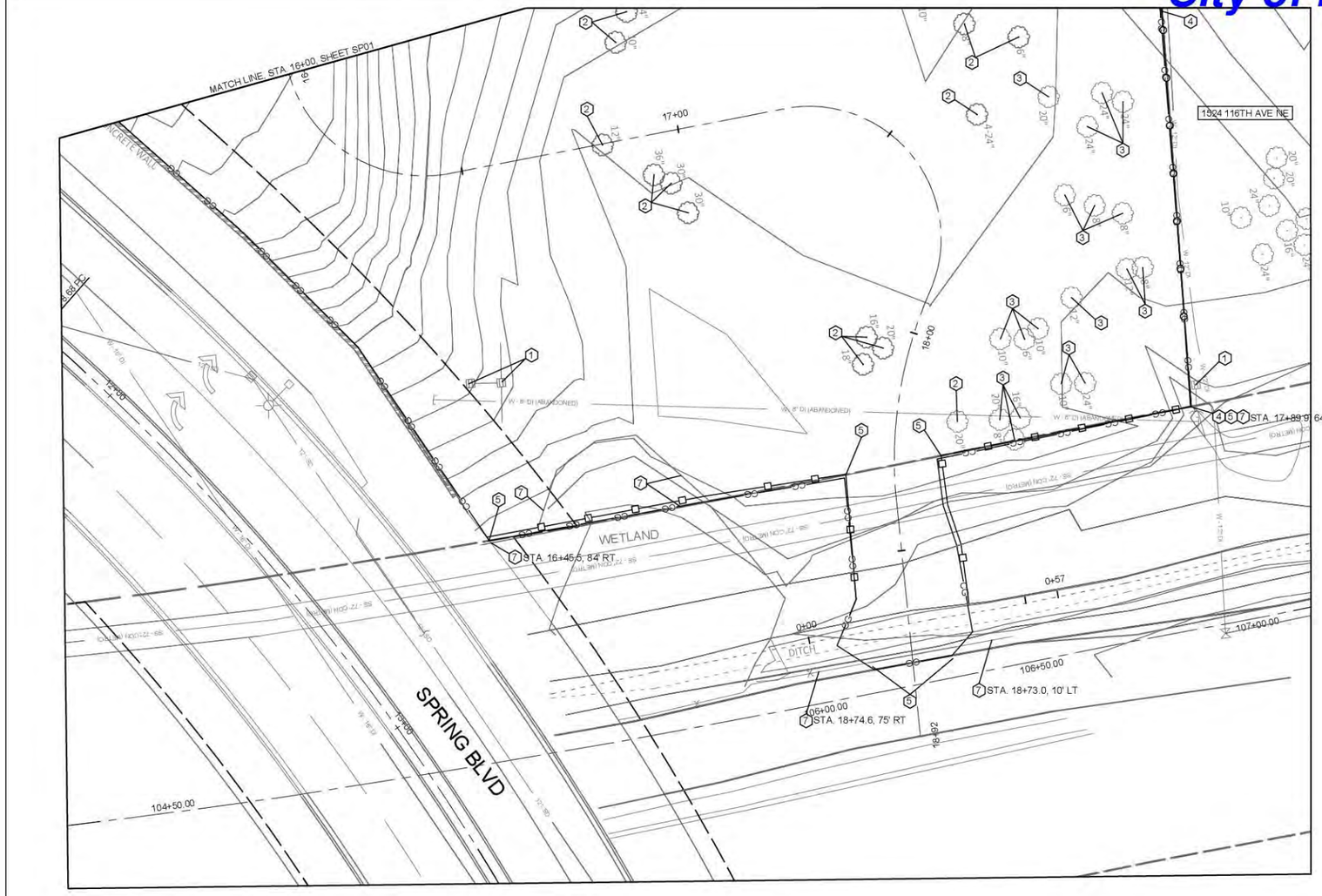

SITE PREPARATION AND EROSION CONTROL NOTES

1. PROVIDE AND INSTALL CATCH BASIN INLET PROTECTION PER COB CLEAR & GRADE BMP C220.
2. REMOVE EXISTING TREE AND STUMP.
3. PROTECT AND PRESERVE EXISTING TREE PER CLEAR AND GRADE BMP T101.
4. PROVIDE AND INSTALL HIGH VISIBILITY CONSTRUCTION FENCE PER COB CLEAR & GRADE BMP C103 AND WSDOT STD. PLAN I-10.10-00.
5. PROVIDE AND INSTALL REINFORCED SILT FENCE PER COB CLEAR & GRADE BMP C233.
7. REMOVE EXISTING CHAIN LINK FENCE.

SITE PREPARATION GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE INFORMATION CONTAINED WITHIN AS-BUILT DRAWINGS, FIELD LOCATES AND POTHOLING INFORMATION.
3. ALL CONCRETE AND ASPHALT SURFACES TO BE REMOVED SHALL BE SAWCUT UNLESS ANOTHER METHOD OF REMOVAL IS DESIGNATED IN THE PLANS.
4. THE CONTRACTOR SHALL SUBMIT A FINAL ESC PLAN AND CSWPPP REFLECTING THE CONTRACTORS OPERATIONS PRIOR TO THE START OF CONSTRUCTION.
5. THE CONTRACTOR SHALL PROVIDE PROVIDE A TURBIDITY MONITORING PLAN AND MONITOR TURBIDITY THROUGHOUT THE PROJECT AS REQUIRED BY THE CITY OF BELLEVUE CLEAR AND GRADE PERMIT.

Earthwork within tree root zone must be performed under the supervision of an arborist to minimize damage to tree roots

TREE PROTECTION IS REQUIRED FOR ALL TREES TO REMAIN IN THE VICINITY OF THE WORK AREA PER BMP T101, UNLESS APPROVED FOR REMOVAL UNDER SEPARATE PERMITS

LEGEND

- APPROX. CLEARING AND GRUBBING LIMITS
- HIGH VISIBILITY FENCE
- SILT FENCE

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR.	REVISIONS

KC/KP 08/25 DESIGNED BY DATE
GK/KP 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

KYLE JEAN PORTMAN, STATE OF WASHINGTON, 47719, REGISTERED PROFESSIONAL ENGINEER, 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

SITE PREPARATION AND ESC PLAN

SP02 SHEET 7 OF 44

Issued 02/12/2026

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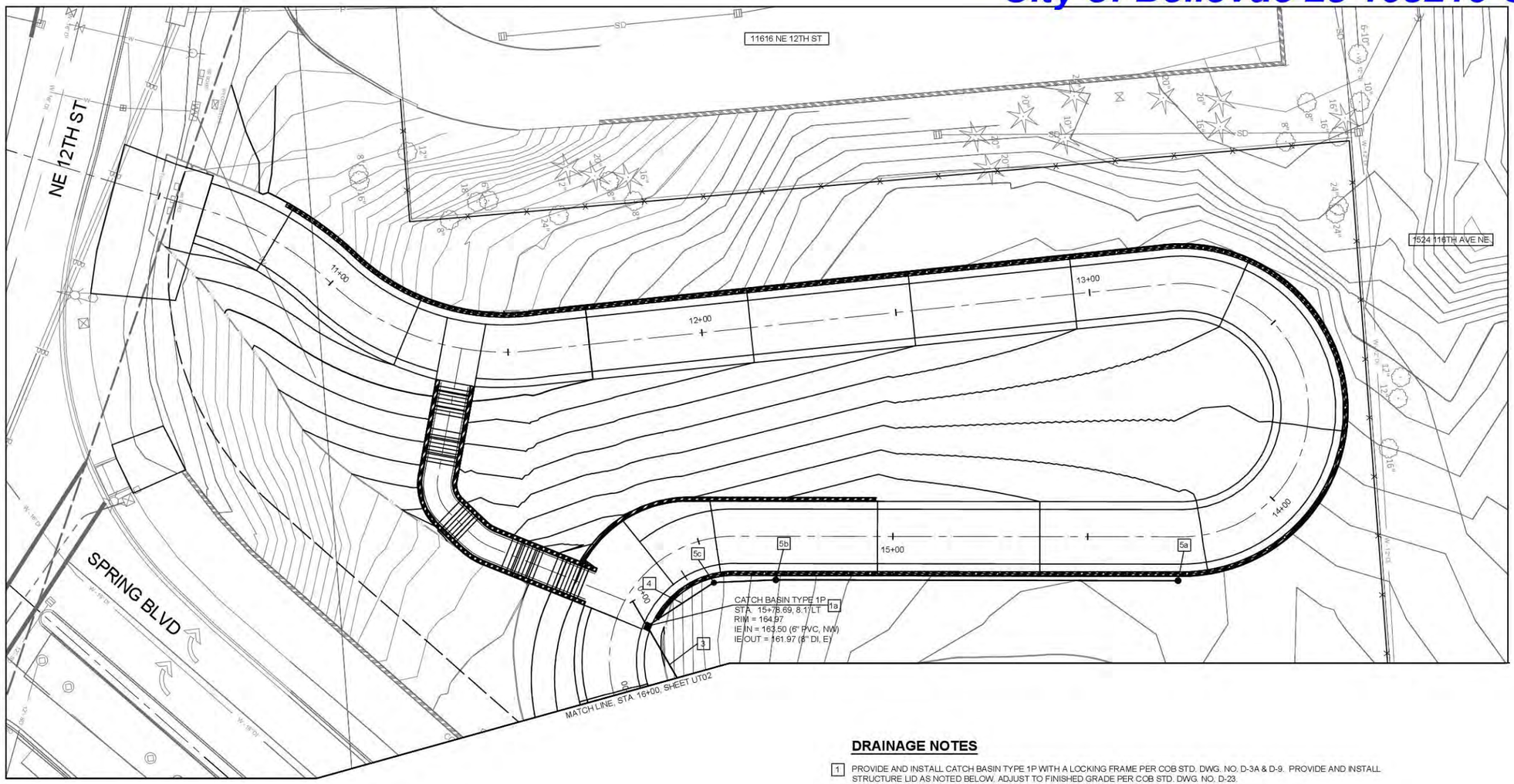
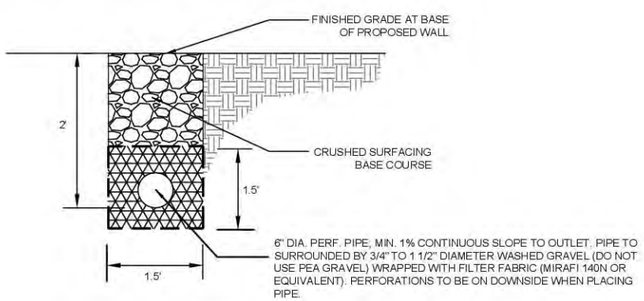


Earthwork within tree root zone must be performed under the supervision of an arborist to minimize damage to tree roots

TREE PROTECTION IS REQUIRED FOR ALL TREES TO REMAIN IN THE VICINITY OF THE WORK AREA PER BMP T101, UNLESS APPROVED FOR REMOVAL UNDER SEPARATE PERMITS



UNDERDRAIN DETAIL
NOT TO SCALE

DRAINAGE NOTES

1. PROVIDE AND INSTALL CATCH BASIN TYPE 1P WITH A LOCKING FRAME PER COB STD. DWG. NO. D-3A & D-9. PROVIDE AND INSTALL STRUCTURE LID AS NOTED BELOW. ADJUST TO FINISHED GRADE PER COB STD. DWG. NO. D-23.
   a. STA. 15+78.69, 8.09' LT. - VANED GRATE PER COB STD DWG NO. D-6.
3. PROVIDE AND INSTALL 8" DUCTILE IRON STORM SEWER PIPE PER COB STD DWG. NO. D-25 & D-46. SEE STORM PROFILE, SHEET UT02.
4. PROVIDE AND INSTALL 6" PVC PERFORATED UNDERDRAIN PIPE PER UNDERDRAIN DETAIL, THIS SHEET.
5. PROVIDE AND INSTALL CLEANOUTS PER BELLEVUE STD. DWG NO. D-52.
   a. STA. 14+27, 12' LT
   b. STA. 15+30, 12' LT
   c. STA. 15+49, 12' LT

GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. WHERE THE VERTICAL DISTANCE BETWEEN UTILITIES IS LESS THAN 6 INCHES, THE CONTRACTOR SHALL PROVIDE AN O.D. X O.D. X 2.5 INCH ETHAFOAM PAD PER THE SPECIAL PROVISIONS 7-08.3(2)j.
3. FOR JUNCTION BOXES, STREET LIGHTING AND ELECTRICAL CONDUIT INSTALLATION, SEE SHEETS CH01-CH02.

LEGEND

NEW WALL

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR.	REVISIONS

KC/KP	08/25
DESIGNED BY	DATE
GK/KP	08/25
DRAWN BY	DATE
KP	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

KYLE JEAN POTUAK — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

UTILITY PLAN AND DETAILS

UT01 SH 8 C 44

Issued 02/12/2026

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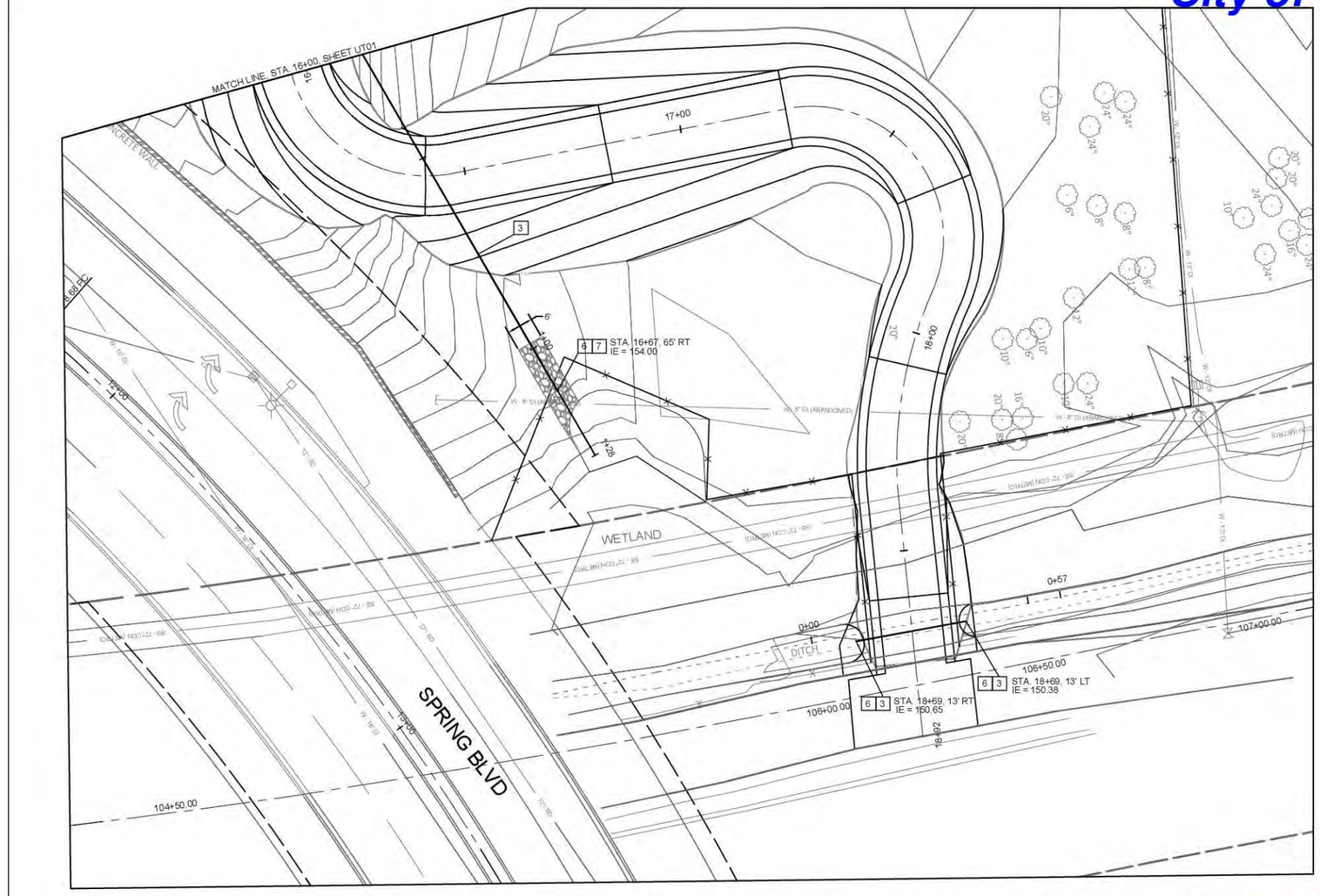
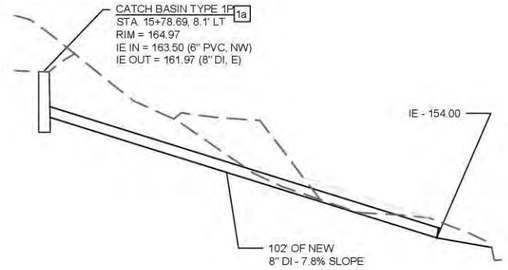
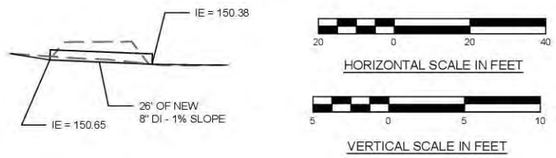
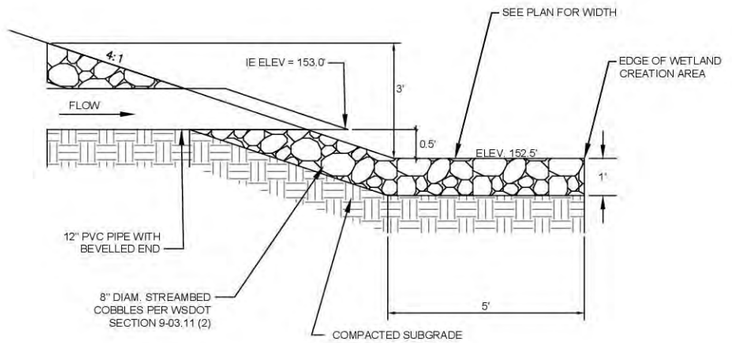




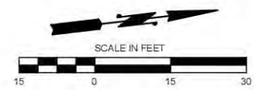
STRUCTURE 1a TO OUTFALL PROFILE



PIPE UNDER TRAIL PROFILE



ROCK PROTECTION DETAIL
NOT TO SCALE



GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. WHERE THE VERTICAL DISTANCE BETWEEN UTILITIES IS LESS THAN 6 INCHES, THE CONTRACTOR SHALL PROVIDE AN O.D. X O.D. X 2.5 INCH ETHAFOAM PAD PER THE SPECIAL PROVISIONS 7-08.3(2)j.
3. FOR JUNCTION BOXES, STREET LIGHTING AND ELECTRICAL CONDUIT INSTALLATION, SEE SHEETS CH01-CH02

Earthwork within tree root zone must be performed under the supervision of an arborist to minimize damage to tree roots

TREE PROTECTION IS REQUIRED FOR ALL TREES TO REMAIN IN THE VICINITY OF THE WORK AREA PER BMP T101, UNLESS APPROVED FOR REMOVAL UNDER SEPARATE PERMITS

DRAINAGE NOTES

3 PROVIDE AND INSTALL 8" DUCTILE IRON STORM SEWER PIPE PER COB STD DWG. NO. D-25 & D-46. SEE STORM PROFILE ON THIS SHEET.

6 PROVIDE AND INSTALL TRASH RACK ON END OF PIPE PER COB STD DWG NO D-53.

7 PROVIDE AND INSTALL PROTECTION AROUND PIPE PER COB STD. DWG. NO. D-34, D-59 AND ROCK PROTECTION DETAIL ON THIS SHEET.

NO.	DATE	BY	APPR.	REVISIONS

KC/KP	08/25
DESIGNED BY	DATE
GK/KP	08/25
DRAWN BY	DATE
KP	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

KYLE JEAN PORTER — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

UTILITY PLAN AND DETAILS

UT02 SH 9 OF 44

Issued 02/12/2026

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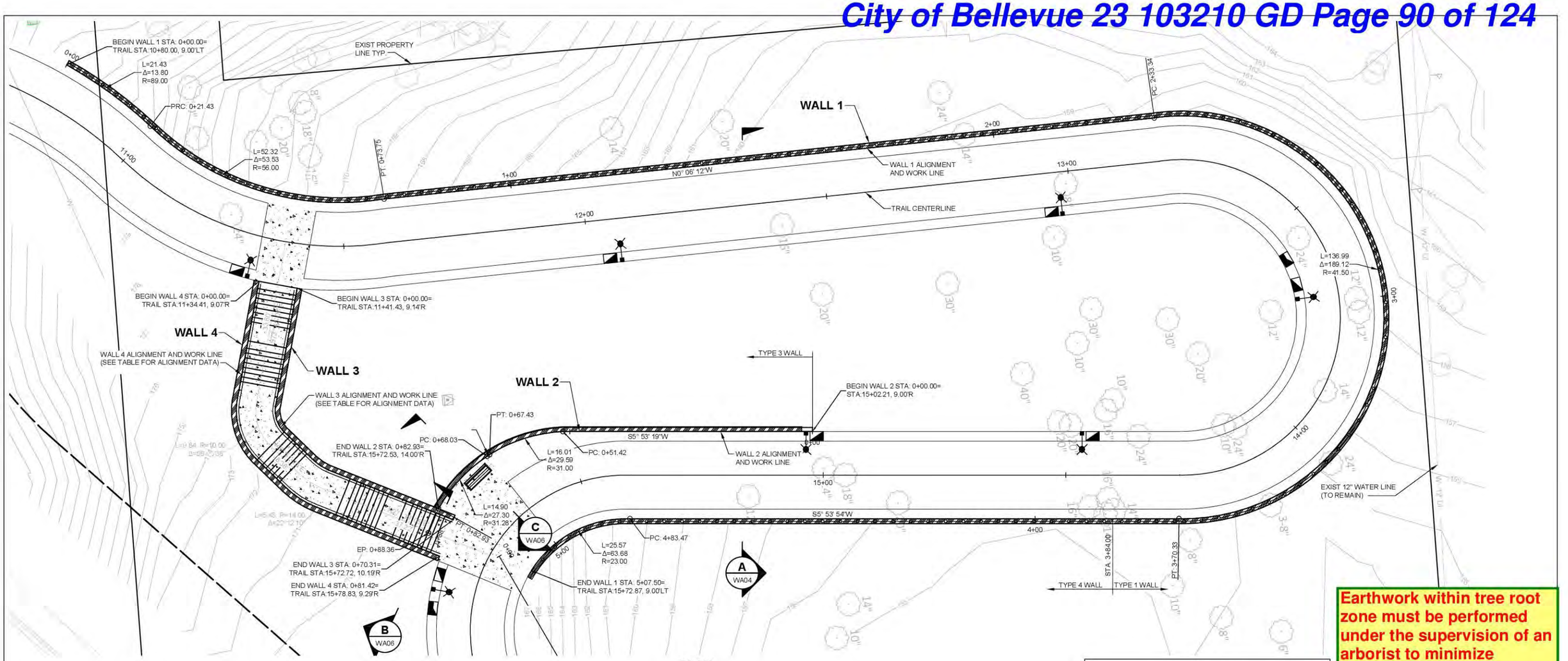

PLAN

NOTES:

1. WALLS 1 AND 2 SHALL BE PERMANENT GEOSYNTHETIC WALLS (WALL 1 = TYPE 1 OR TYPE 4 AND WALL 2 = TYPE 3) PER STANDARD PLAN D-3.09-00. SEE SHEET WA02 AND WA03 FOR WALL ELEVATION AND LIMITS OF WALL TYPE.

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND MUNICIPAL CONSTRUCTION", DATED 2024.
2. THE STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS - 9TH EDITION - 2020
3. THE SEISMIC DESIGN OF THE STRUCTURES HAVE BEEN COMPLETED IN ACCORDANCE WITH THE AASHTO GUIDE SPECIFICATIONS FOR LRFD BRIDGE DESIGN - 2ND EDITION - 2011 WITH INTERIMS THRU 2015, USING SITE CLASS C AND A PEAK GROUND ACCELERATION OF 0.423.
4. CONTRACTOR TO FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE VICINITY OF THE WALLS PRIOR TO BEGINNING WALL CONSTRUCTION.

GENERAL NOTES (CONTINUED)

5. ALL CONCRETE SHALL BE CLASS 4000. ALL REINFORCING BARS SHALL BE AASHTO M-31, GRADE 60 EXCEPT AS NOTED.
6. UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCEMENT BAR SHALL BE 2".
7. EXISTING GROUND LINE IS APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
8. FOR GEOTECHNICAL RECOMMENDATIONS, SEE "GEOTECHNICAL REPORT, EASTRAIL TO NE SPRING BLVD. TRAIL LINK", DATED JANUARY 13, 2023.
9. UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS SHALL BE CLASS B WITH LENGTHS AS FOLLOWS:

	TOP BARS	OTHER		TOP BARS	OTHER
#4 BAR	2'-1"	2'-0"	▽ #4 BAR	2'-0"	2'-3"

ALL LAP SPLICES SHALL BE STAGGERED. TOP BARS ARE HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THEM.

Wall 3

Number	Radius	Length	Line/Chord Direction	Start Sta.	End Sta.
L1		24.60	S73° 45' 07"E	0+00.00	0+24.60
C1	6.00	5.91	N78° 03' 04"E	0+24.60	0+30.51
L2		8.38	N49° 51' 15"E	0+30.51	0+38.89
C2	10.00	3.88	N38° 45' 10"E	0+38.89	0+42.76
L3		27.55	N27° 39' 05"E	0+42.76	0+70.31

WALL 3 ALIGNMENT DATA

Wall 4

Number	Radius	Length	Line/Chord Direction	Start Sta.	End Sta.
L1		24.60	S73° 45' 08"E	0+00.00	0+24.60
C1	14.00	13.78	N78° 03' 04"E	0+24.60	0+38.38
L2		8.38	N49° 51' 15"E	0+38.38	0+46.76
C2	18.00	6.98	N38° 45' 10"E	0+46.76	0+53.73
L3		27.68	N27° 39' 05"E	0+53.73	0+81.42

WALL 4 ALIGNMENT DATA

Earthwork within tree root zone must be performed under the supervision of an arborist to minimize damage to tree roots

TREE PROTECTION IS REQUIRED FOR ALL TREES TO REMAIN IN THE VICINITY OF THE WORK AREA PER BMP T101, UNLESS APPROVED FOR REMOVAL UNDER SEPARATE PERMITS

SCALE IN FEET
10 0 5 10 20

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

P. BARUWAL	DESIGNED BY	11/25 DATE
D. ALTENBURG	DRAWN BY	11/25 DATE
J. WARREN	CHECKED BY	11/25 DATE

City of Bellevue
Transportation Department

JOSHUA D. WARREN — STATE OF WASHINGTON — 58156 — PROFESSIONAL ENGINEER
12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL PLAN

WA01 SHT 10 OF 44

Issued 02/12/2026

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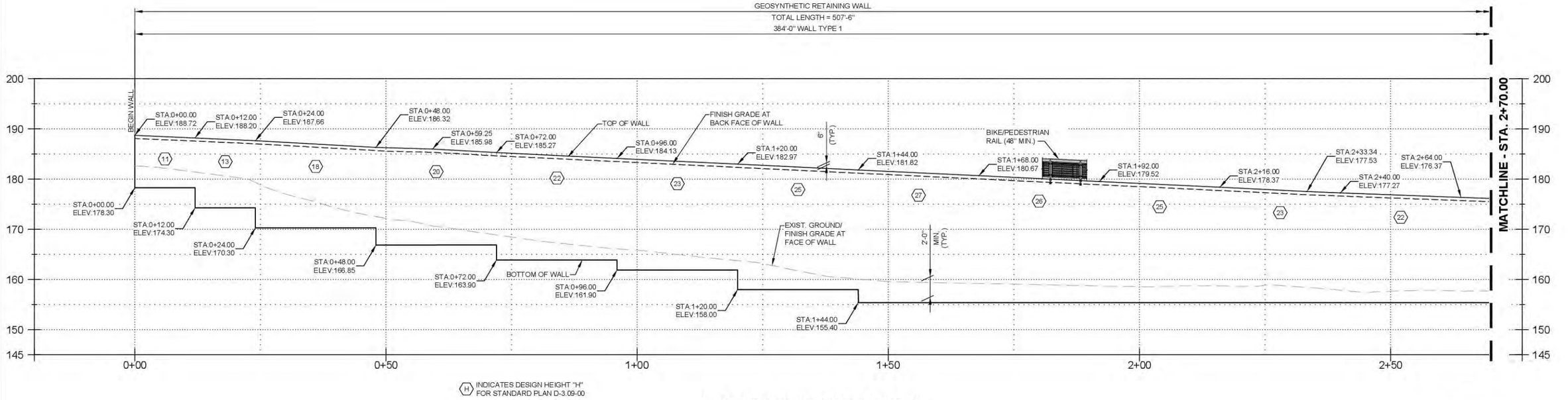
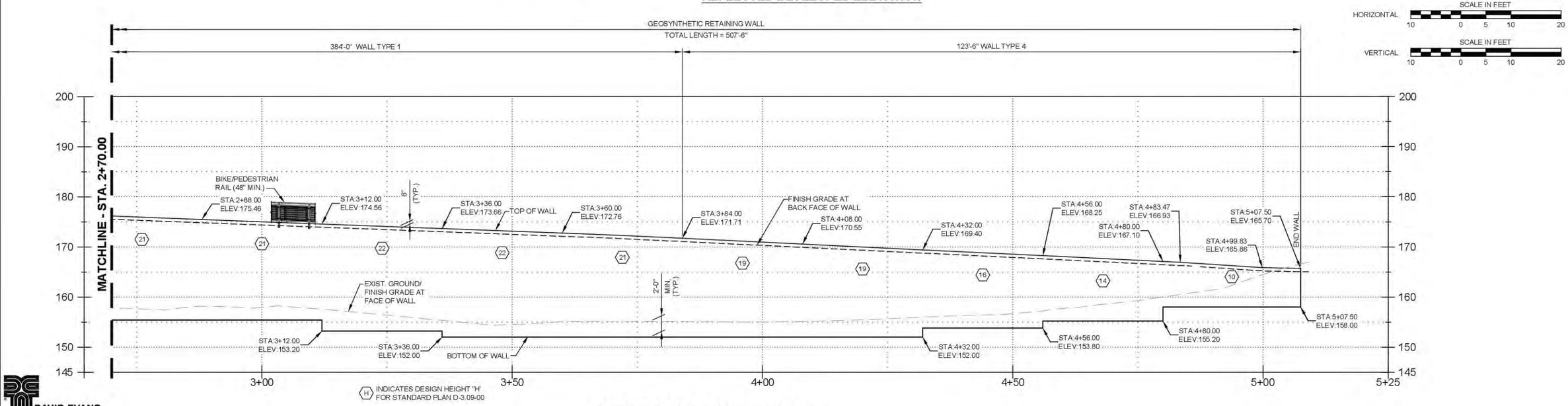
NOTES:

1. WALL SHALL BE GEOSYNTHETIC WALL, TYPE 1 OR TYPE 4 AS SHOWN.
2. SEE STANDARD PLAN D-3.09.00 AND SHEET WA04 FOR RETAINING WALL DETAILS.
3. FASCIA SHALL BE SHOTCRETE FASCIA PER STANDARD PLAN D-3.10-01 WITH A SHOTCRETE ARCHITECTURAL FINISH.
4. SEE SHEET WA07 FOR BIKE/PEDESTRAIN RAIL DETAILS.
5. WALL HORIZONTAL CURVES MAY BE DEVELOPED USING LINEAR SEGMENTS WITH CHORD LENGTHS NO MORE THAN 6 FEET.
6. WALL FINISH TO EXTEND TO BOTTOM OF FASCIA. SEE SHEET WA08 - WA10 FOR ARCHITECTURAL TREATMENT DETAILS.



REFLECTED DEVELOPED ELEVATION



REFLECTED DEVELOPED ELEVATION

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City of Bellevue
Transportation Department

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12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 1 PROFILE

WA02 SHT 11 OF 44

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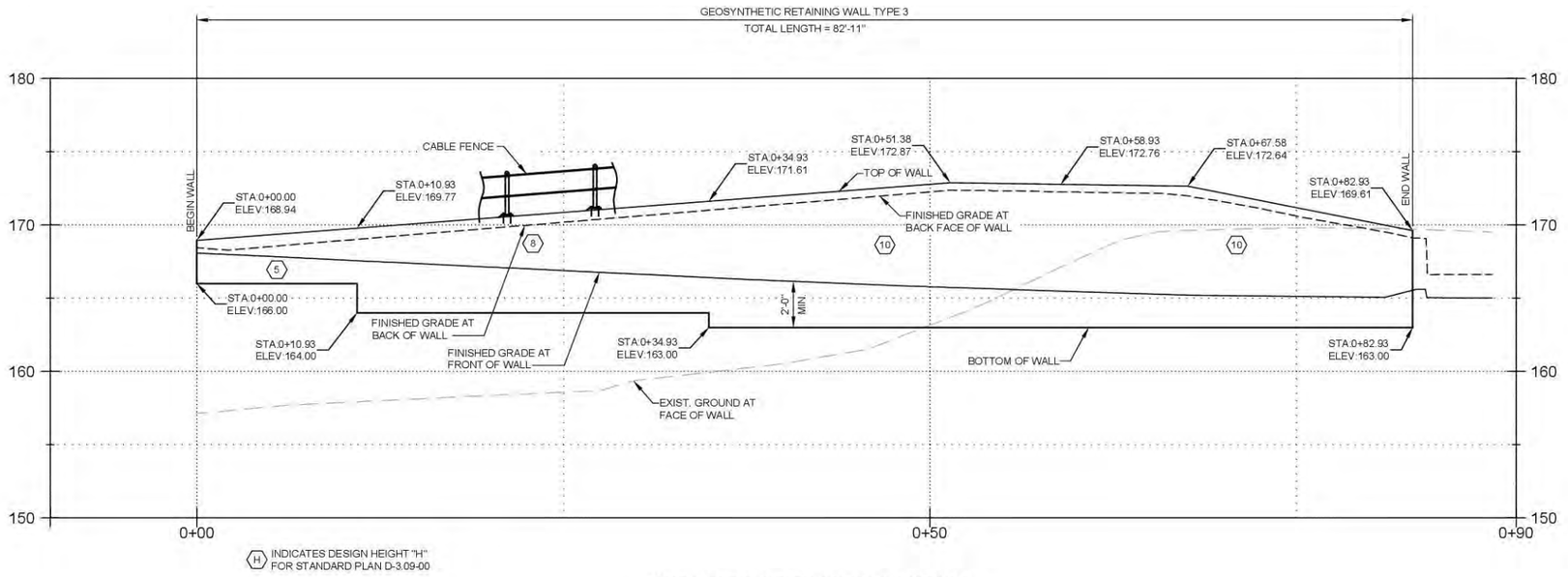
City of Bellevue 23 103210 GD Page 92 of 124

NOTES:

1. DIMENSIONS ARE ALONG FRONT FACE OF WALL.
2. WALL SHALL BE GEOSYNTHETIC WALL, TYPE 3.
3. SEE STANDARD PLAN D-3.09.00 AND SHEET WA04 FOR RETAINING WALL DETAILS.
4. SEE STANDARD PLAN L-5.15 FOR CABLE FENCE DETAILS.
5. WALL FINISH TO EXTEND TO TOP OF FOOTING. SEE SHEET WA08 - WA10 FOR ARCHITECTURAL TREATMENT DETAILS.
6. FASCIA SHALL BE SHOTCRETE FASCIA PER STANDARD PLAN D-3.10-01 WITH A SHOTCRETE ARCHITECTURAL FINISH.
7. SEE SHEET WA06 FOR WALL CONNECTION DETAILS



REFLECTED DEVELOPED ELEVATION

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue, Washington 98007
Phone: 425.519.6500

HORIZONTAL SCALE IN FEET: 5 0 2.5 5 10

VERTICAL SCALE IN FEET: 5 0 2.5 5 10

NO.	DATE	BY	APPR.	REVISIONS

P. BARUWAL — DESIGNED BY — 11/25 DATE
D. ALTENBURG — DRAWN BY — 11/25 DATE
J. WARREN — CHECKED BY — 11/25 DATE

City of Bellevue
Transportation Department

JOSHUA D. WARREN — STATE OF WASHINGTON — 58156 — PROFESSIONAL ENGINEER
12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 2 PROFILE

WA03 — SHT 12 OF 44

CITY OF BELLEVUE WASHINGTON
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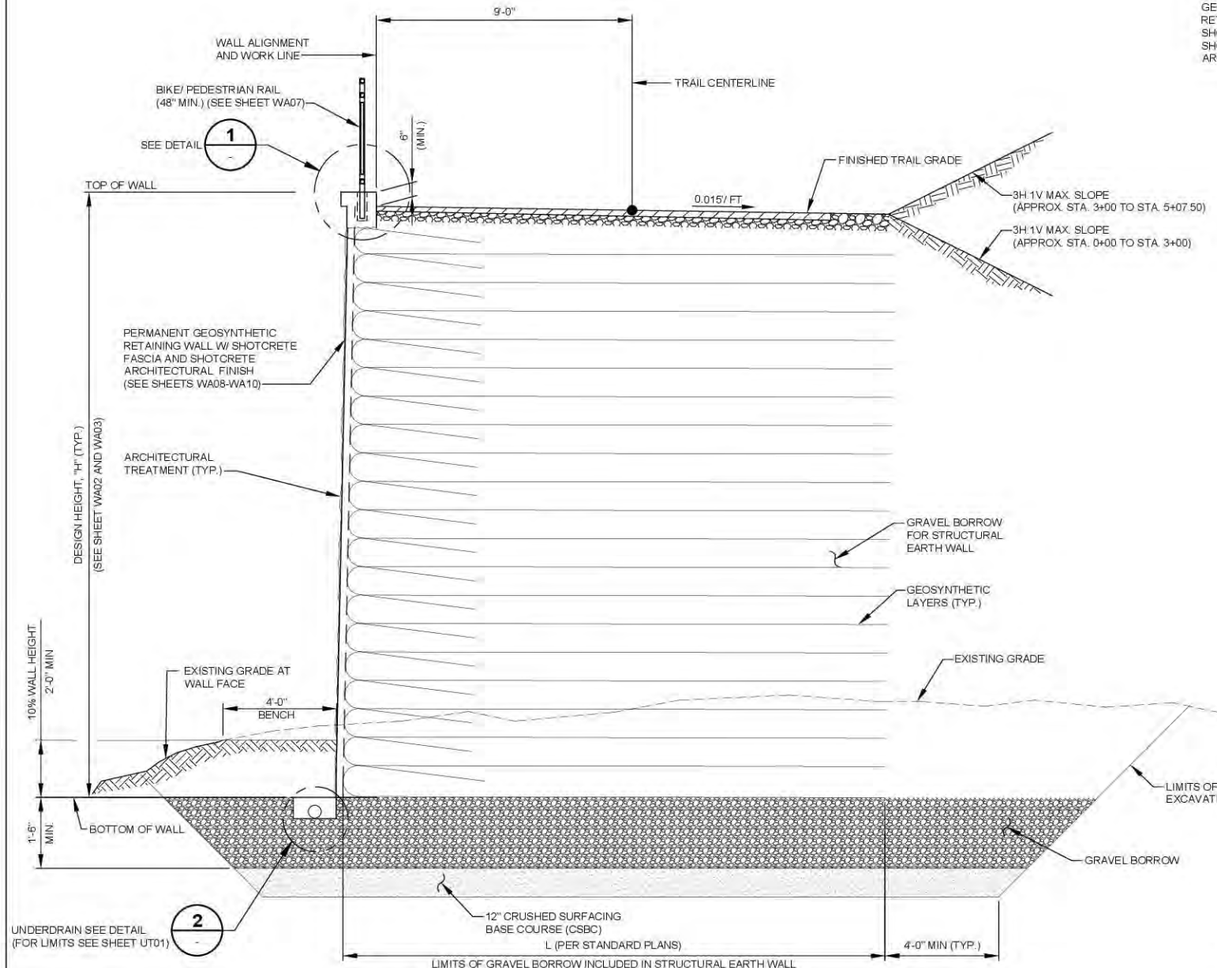
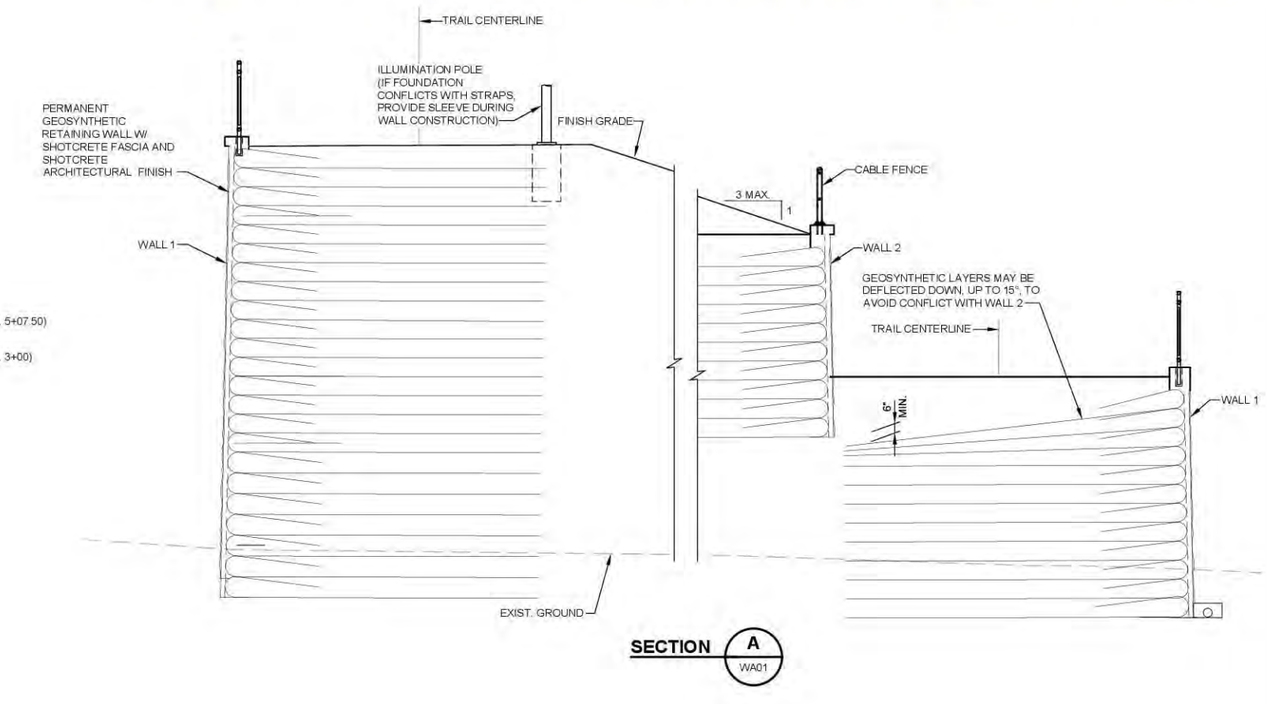
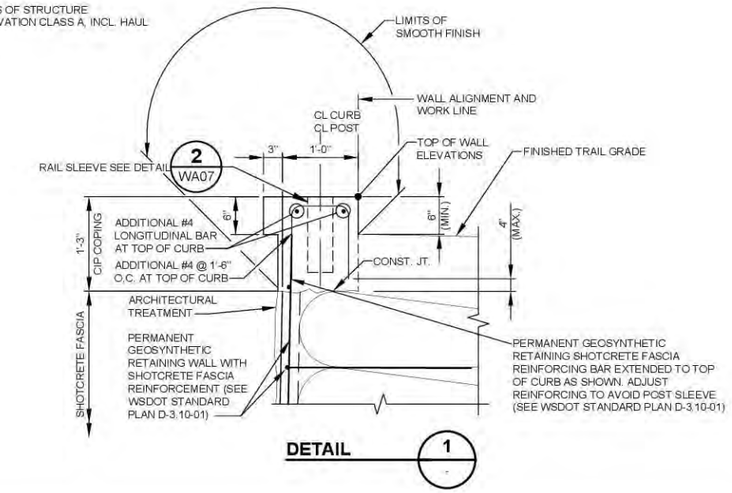


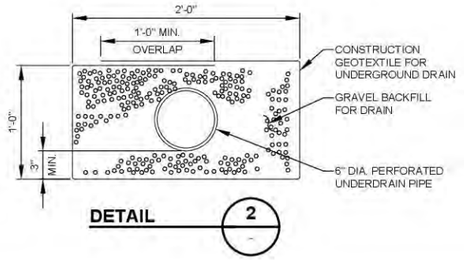
TYPICAL SECTION



SECTION A WA01



DETAIL 1



DETAIL 2

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14432 SE Eastgate Way, Suite 400
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Phone: 425.519.6500

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Transportation Department

JOSHUA D. WARREN — STATE OF WASHINGTON — 56156 — PROFESSIONAL ENGINEER — 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 1 AND 2 SECTIONS AND DETAILS

WA04 — SHT 13 OF 44

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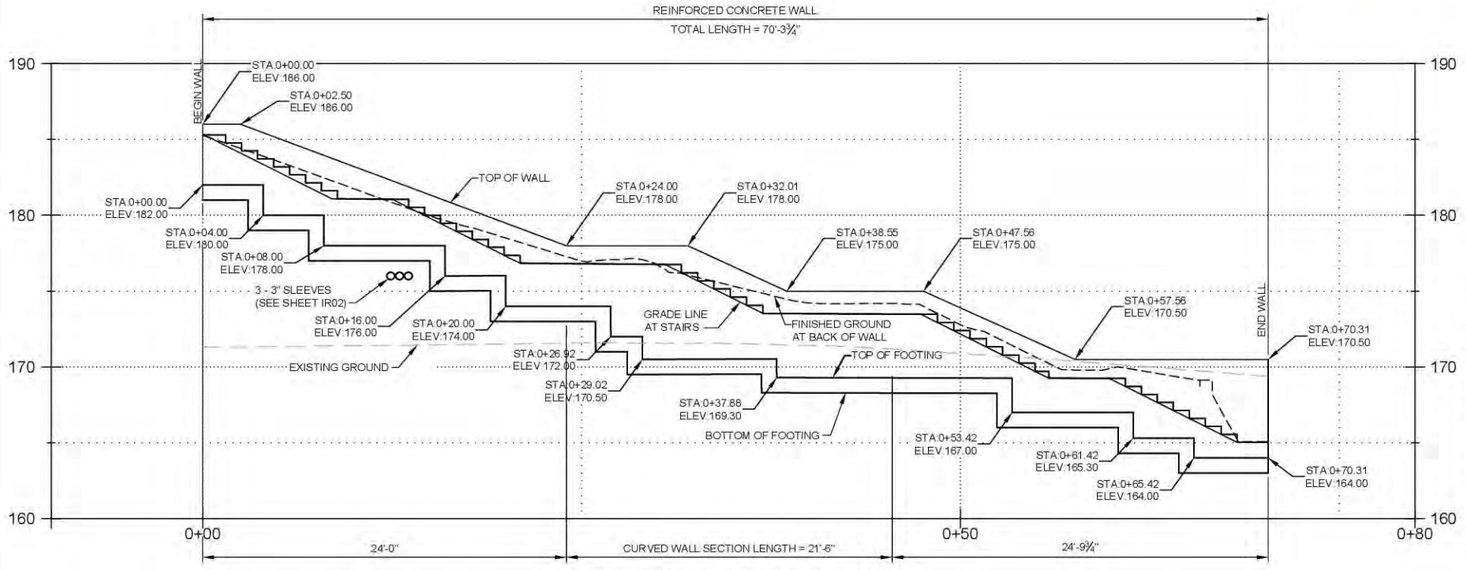
City of Bellevue 23 103210 GD Page 94 of 124



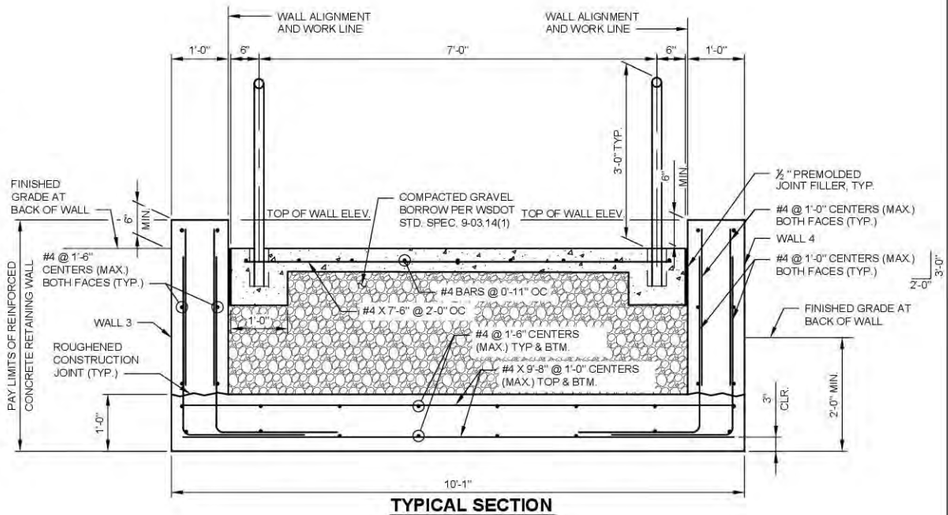
DEVELOPED ELEVATION - WALL 3

NOTES:

1. REINFORCED CONCRETE WALL TO BE PAID FOR BY SQUARE FOOT OF COMPLETED WALL, MEASURED FROM THE TOP OF WALL TO THE BOTTOM OF FOOTING. ESTIMATED TOTAL WALL AREAS, AND CONCRETE AND REINFORCING STEEL QUATITIES ARE AS FOLLOWS:

	WALL 3	WALL 4	FOOTING
AREA (SF)	442.7	515.8	-
CONCRETE (CY)	13.8	16.1	35.1
REINF. STEEL (LB)	830	970	3220

2. FOR STAIR GRADE AND ELEVATIONS, SEE SHEET ST01.



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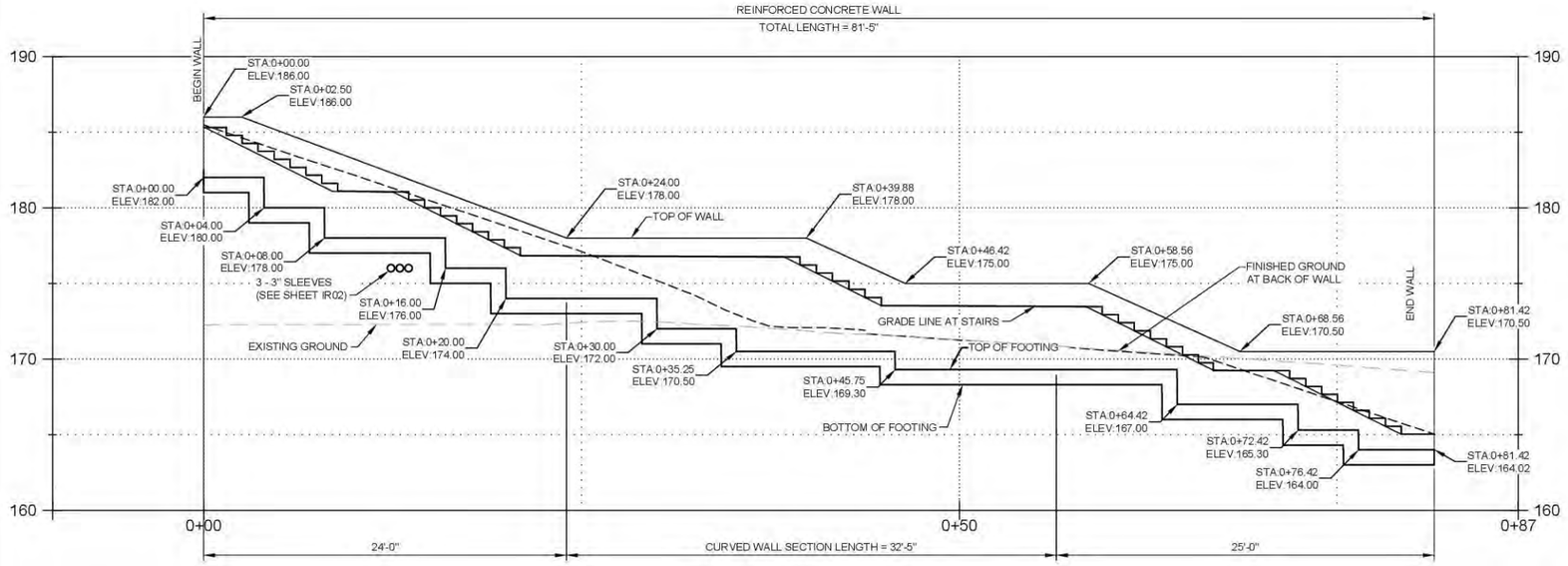

REFLECTED DEVELOPED ELEVATION - WALL 4

HORIZONTAL SCALE IN FEET 5 0 2.5 5 10

VERTICAL SCALE IN FEET 5 0 2.5 5 10

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J. WARREN	11/25
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City of Bellevue
Transportation Department

JOSHUA D. WARREN STATE OF WASHINGTON 58156 PROFESSIONAL ENGINEER 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 3 AND WALL 4 PROFILES AND SECTIONS

WA05 ST 1 OF 44

CITY OF BELLEVUE WASHINGTON Issued 02/12/2026

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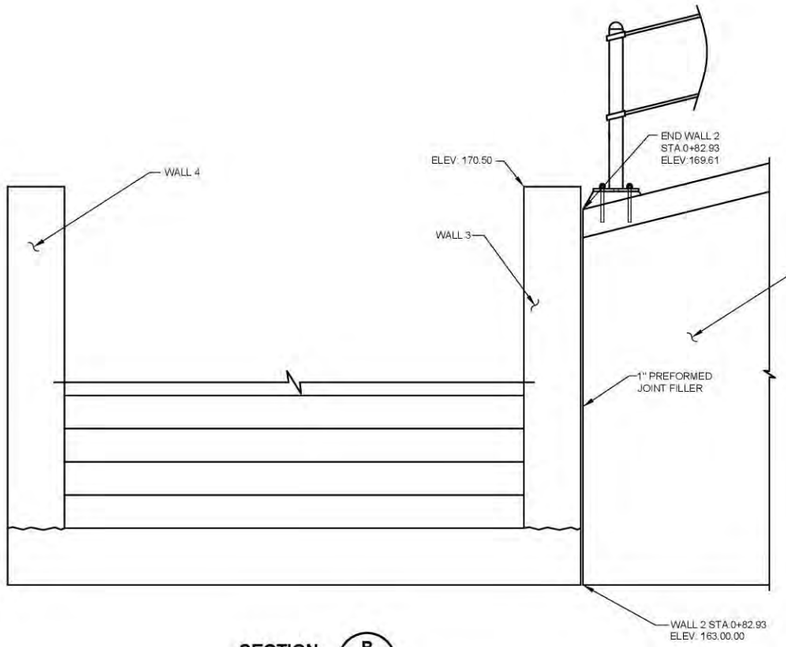
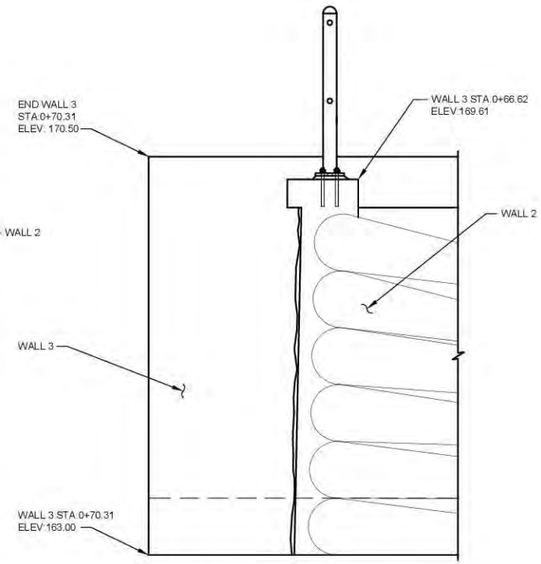
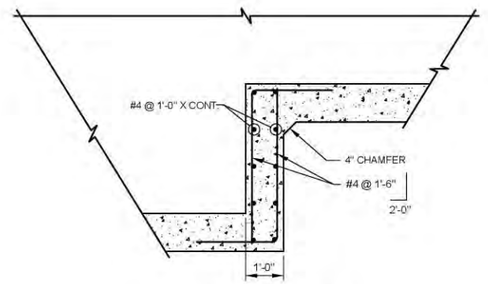


SECTION B / WA01



SECTION C / WA01



FOOTING STEP DETAIL

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Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

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D. ALTENBURG 11/25 DRAWN BY DATE
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City of Bellevue
Transportation Department

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12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 2 AND 3 CONNECTION DETAILS

WA06 ST 15 OF 44

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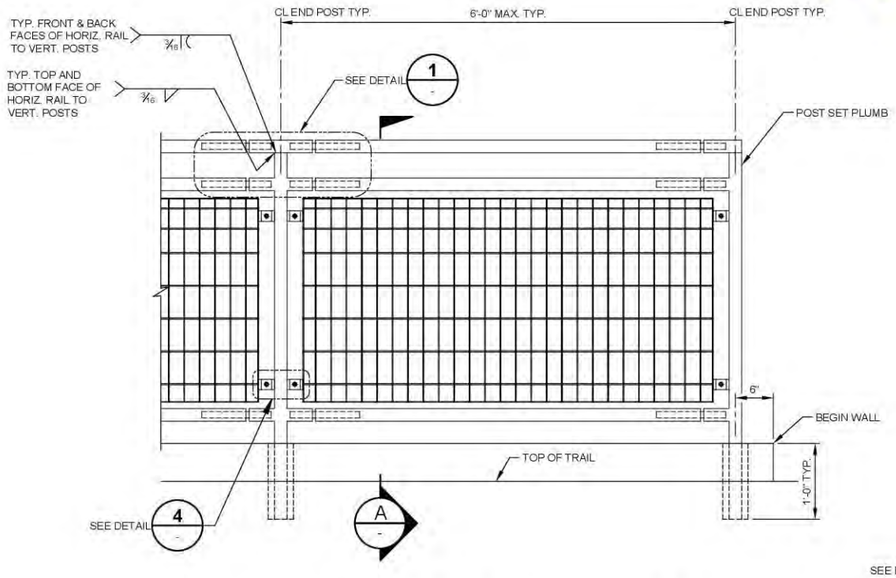
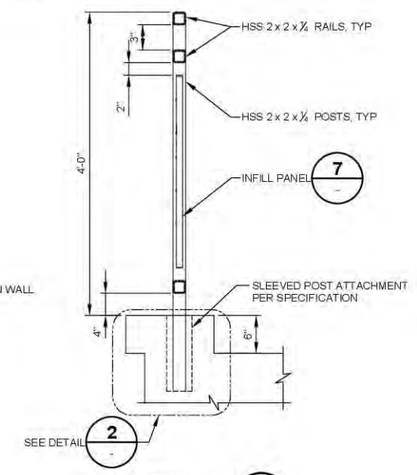
NOTES:

1. PIPE RAILING AND PIPE RAILING SPLICES SHALL BE BENT TO THE HORIZONTAL CURVE WHERE THE RADIUS OF CURVATURE IS LESS THAN 200'. THESE ITEMS MAY BE HEATED TO NOT MORE THAN 400°F FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING TO HORIZONTAL CURVATURE.
2. SHOP DRAWINGS OF RAILING SHALL BE SUBMITTED FOR APPROVAL SHOWING COMPLETE DIMENSIONS AND DETAILS OF FABRICATION AND INCLUDING AN ERECTION DIAGRAM. MATERIAL SPECIFICATIONS SHALL BE PROVIDED IN THE SHOP DRAWINGS FOR ALL COMPONENTS.
3. CUTTING SHALL BE DONE BY SAWING OR MILLING AND ALL CUTS SHALL BE TRUE AND SMOOTH. FLAME CUTTING WILL NOT BE PERMITTED.
4. WELDING OF STEEL SHALL CONFORM TO LATEST EDITION OF AWS D1.1.
5. PIPE RAILING, INFILL PANELS AND PIPE RAILING SPLICES SHALL BE ADEQUATELY WRAPPED TO INSURE SURFACE PROTECTION DURING HANDLING AND TRANSPORTATION TO THE JOB SITE.
6. ALL POSTS SHALL BE SET PLUMB.
7. ALL HORIZONTAL RAILING MEMBERS SHALL BE PARALLEL TO TOP OF CURB.

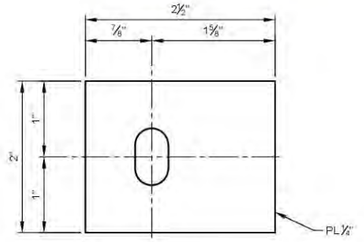
MAT'L	PART	MATERIAL SPECIFICATION
STEEL	TUBE	ASTM A 500 GRADE B SQUARE TUBE STEEL. GALVANIZED IN ACCORDANCE WITH AASHTO M111 AFTER FABRICATION
	NUTS AND WASHERS	PER STD. SPEC SECTION 9-06.5 GALVANIZED IN ACCORDANCE WITH AASHTO M 232.
	PLATES/BAR CHANNELS	ASTM A 36 GALVANIZED IN ACCORDANCE WITH AASHTO M 111 AFTER FABRICATION.
	DRIVE PINS	ASTM A 276 OR A 240 TYPE 302 STAINLESS STEEL



BRIDGE RAILING TYPE BIKE/PEDESTRIAN ELEVATION

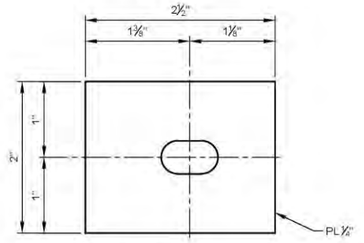


SECTION A



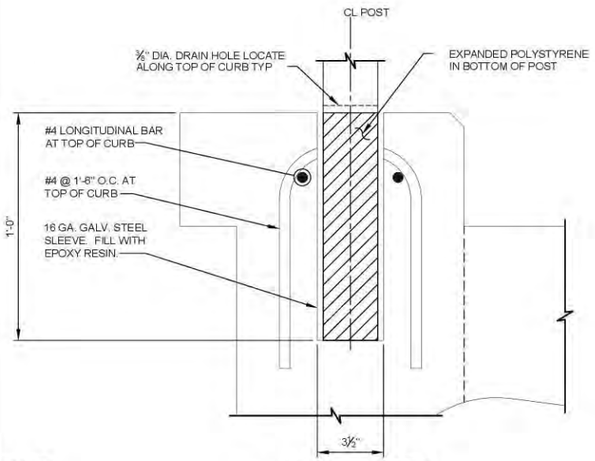
TAB "A" DETAIL

PLACE TAB "A" ON INFILL PANEL

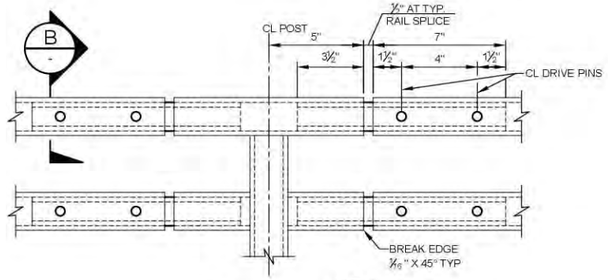


TAB "B" DETAIL

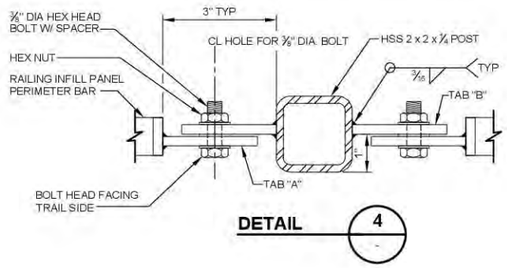
PLACE TAB "B" ON POST



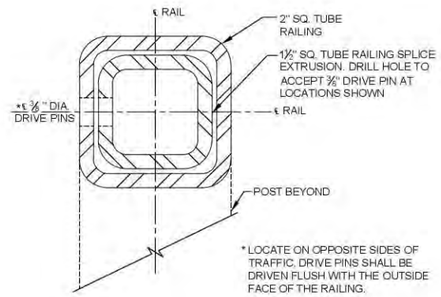
DETAIL 2



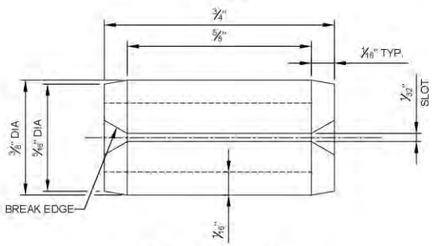
DETAIL 1



DETAIL 4

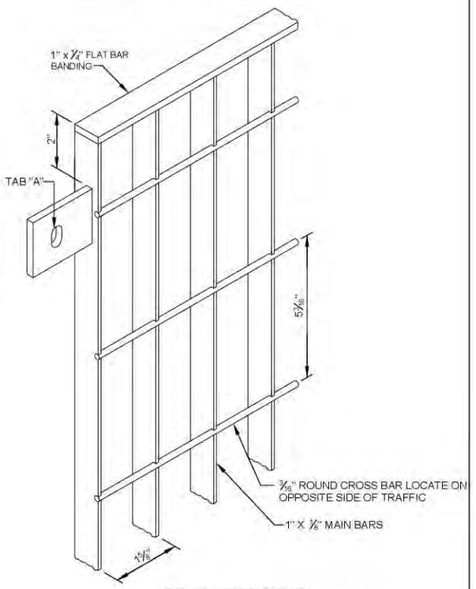


SECTION B



DRIVE PIN DETAIL

SLOTTED TYPE SPRING PIN (ANSI B18.8.2)



ISOMETRIC VIEW

INFILL PANEL DETAIL 7

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Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

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D. ALTENBURG	DRAWN BY	11/25 DATE
J. WARREN	CHECKED BY	11/25 DATE

City of Bellevue
Transportation Department

JOSHUA D. WARREN — STATE OF WASHINGTON — 56156 — PROFESSIONAL ENGINEER — 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

BIKE/PEDESTRIAN RAILING DETAILS

WA-07 S T 10 OF 44

Issued 02/10/2026

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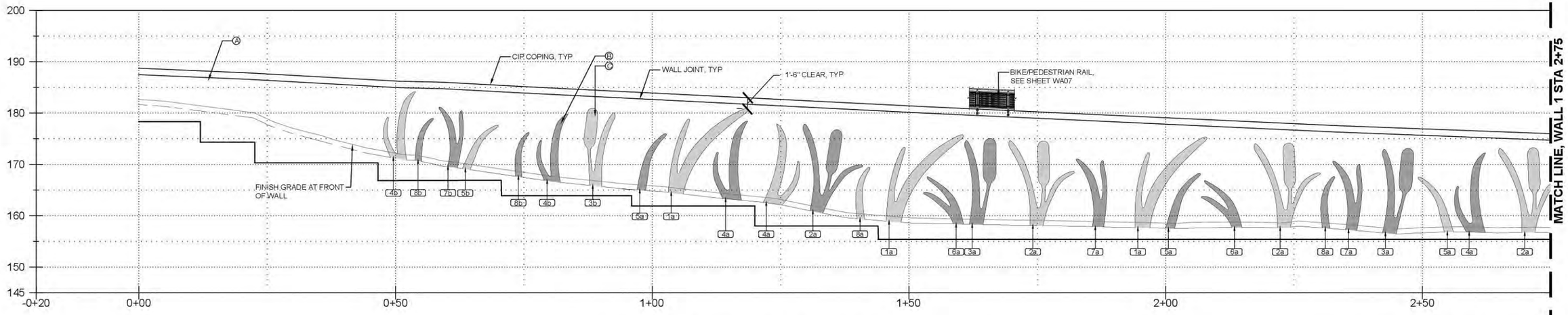


WALL 1 ARCHITECTURAL FINISH REFLECTED ELEVATION (1 OF 2)

HORIZONTAL SCALE IN FEET 10 0 5 10 20

VERTICAL SCALE IN FEET 10 0 5 10 20

WALL ARCHITECTURAL FINISH NOTES

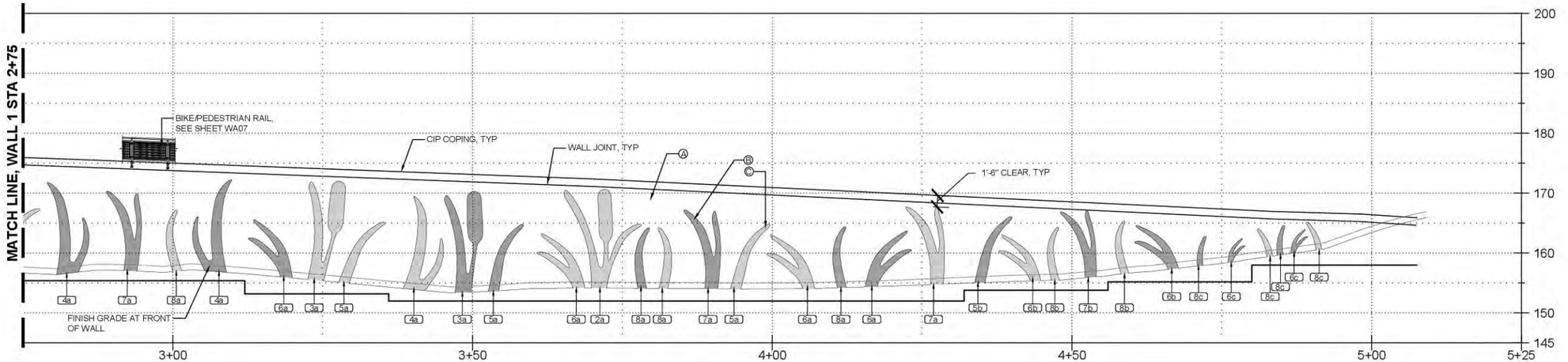
Ⓐ ARCHITECTURAL SHOTCRETE FINISH, TYP; SMOOTH TROWEL FINISH WITH PIGMENTED SEALER; COLOR: WASHINGTON GREY; SEE SECTION 6-18.3(1) OF SPECS.

Ⓑ 1-1/2" DEEP RECESSED PATTERN, TYP; SMOOTH TROWEL FINISH. APPLY THE PIGMENTED SEALER UNDERNEATH THE 100% ACRYLIC EXTERIOR COATING; COLOR: DARK GREEN, SEE SPEC SECTION 6-02.2.

Ⓒ 1-1/2" DEEP RECESSED PATTERN, TYP; SMOOTH TROWEL FINISH. APPLY THE PIGMENTED SEALER UNDERNEATH THE 100% ACRYLIC EXTERIOR COATING; COLOR: DARK BROWN, SEE SPEC SECTION 6-02.2.

WALL FINISH GENERAL NOTES

1. APPLY PIGMENTED SEALER TO ALL EXPOSED WALL AND COPING SURFACES. EXTEND PIGMENTED SEALER TO MIN 12" BELOW FINISH GRADES AT THE FACE OF THE WALL. APPLY 100% ACRYLIC EXTERIOR COATING WITHIN THE RECESSED PATTERN AREAS.
2. DIGITAL FILES OF RECESSED PATTERNS AVAILABLE TO THE SUCCESSFUL BIDDER UPON REQUEST.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL PATTERNS AND COMPLETE LAYOUT OF PATTERNS ON WALL FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
4. DETAILS ON SHEETS WA08 AND WA09 COMMUNICATE DESIGN INTENT FOR WALL ARCHITECTURAL FINISH ONLY. SEE SHEET WA04 FOR GEOSYNTHETIC WALL DETAILS.



WALL 1 ARCHITECTURAL FINISH REFLECTED ELEVATION (2 OF 2)

HORIZONTAL SCALE IN FEET 10 0 5 10 20

VERTICAL SCALE IN FEET 10 0 5 10 20

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG DESIGNED BY 11/19/2025 DATE
S. ARORA DRAWN BY 11/19/2025 DATE
A. LUOMA CHECKED BY 11/19/2025 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON JEFFREY OVER 12/08/2025 LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 1 & 2 FINISH DETAILS

W 08 SH 17 C 44

Issued 02/12/2026

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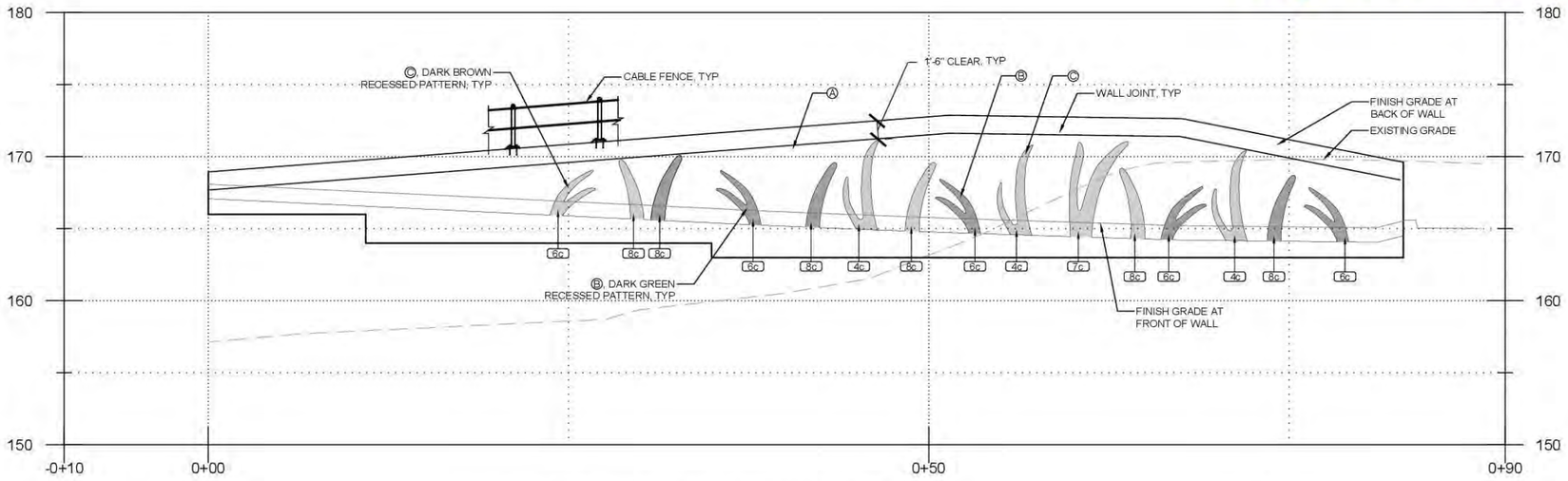


WALL 2 ARCHITECTURAL FINISH REFLECTED ELEVATION

HORIZONTAL SCALE IN FEET: 5 0 2.5 5 10

VERTICAL SCALE IN FEET: 5 0 2.5 5 10

WALL ARCHITECTURAL FINISH NOTES

Ⓐ ARCHITECTURAL SHOTCRETE FINISH, TYP; SMOOTH TROWEL FINISH WITH PIGMENTED SEALER; COLOR: WASHINGTON GREY; SEE SECTION 6-18.3(1) OF SPECS.

Ⓑ 1-1/2" DEEP RECESSED PATTERN, TYP; SMOOTH TROWEL FINISH. APPLY THE PIGMENTED SEALER UNDERNEATH THE 100% ACRYLIC EXTERIOR COATING; COLOR: DARK GREEN, SEE SPEC SECTION 6-02.2.

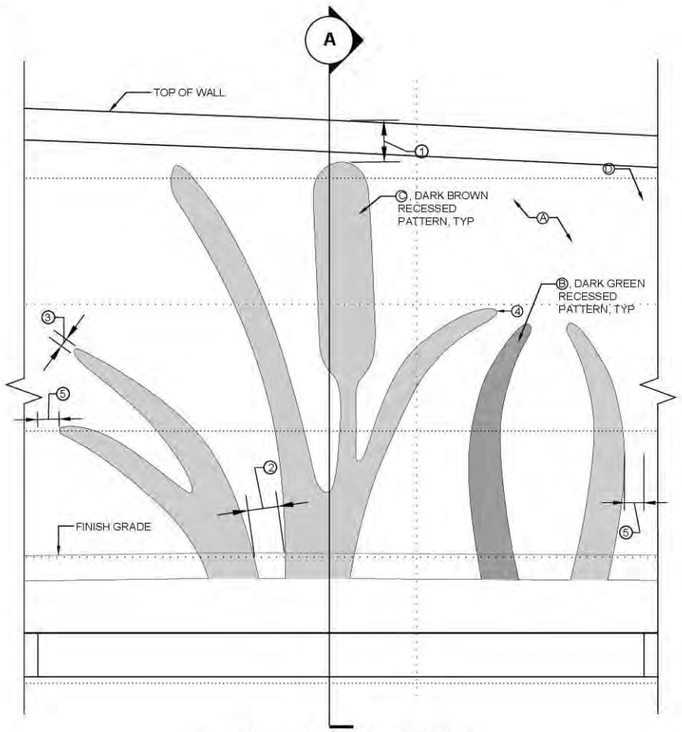
Ⓒ 1-1/2" DEEP RECESSED PATTERN, TYP; SMOOTH TROWEL FINISH. APPLY THE PIGMENTED SEALER UNDERNEATH THE 100% ACRYLIC EXTERIOR COATING; COLOR: DARK BROWN, SEE SPEC SECTION 6-02.2.

WALL FINISH GENERAL NOTES

1. APPLY PIGMENTED SEALER TO ALL EXPOSED WALL AND COPING SURFACES. EXTEND PIGMENTED SEALER TO MIN 12" BELOW FINISH GRADES AT THE FACE OF THE WALL. APPLY 100% ACRYLIC EXTERIOR COATING WITHIN THE RECESSED PATTERN AREAS.
2. DIGITAL FILES OF RECESSED PATTERNS AVAILABLE TO THE SUCCESSFUL BIDDER UPON REQUEST.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL PATTERNS AND COMPLETE LAYOUT OF PATTERNS ON WALL FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
4. DETAILS ON SHEETS WA08 AND WA09 COMMUNICATE DESIGN INTENT FOR WALL ARCHITECTURAL FINISH ONLY. SEE SHEET WA04 FOR GEOSYNTHETIC WALL DETAILS.

CONSTRUCTION NOTES

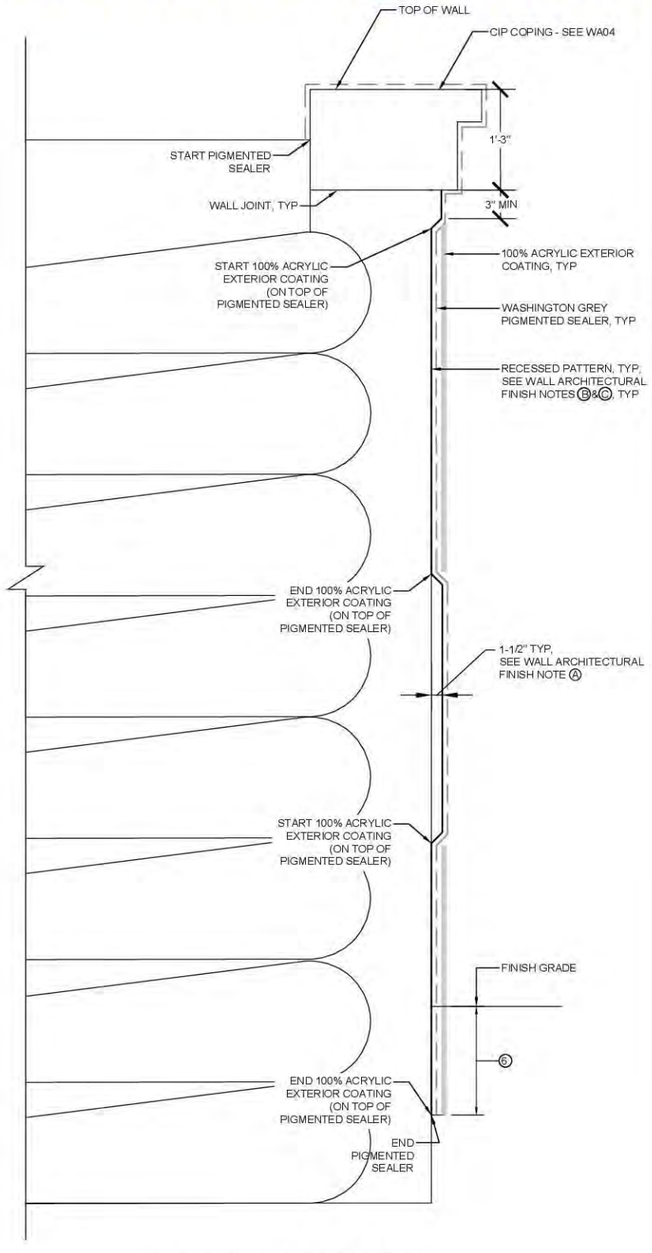
① MIN CLEAR SPACE FROM THE EDGE OF RECESSED PATTERN TO THE TOP OF WALL IS 1'-6".
② MIN CLEAR DISTANCE BETWEEN RECESSED PATTERN SHAPES IS 12".
③ MIN WIDTH OF RECESSED PATTERN SHAPES IS 6".
④ MIN RADIUS AT POINTS/ANGLES IN RECESSED PATTERN SHAPES IS 6".
⑤ MIN DISTANCE OF RECESSED PATTERN SHAPES FROM END OF WALL IS 6".
⑥ PIGMENTED SEALERS AND 100% ACRYLIC EXTERIOR COATING SHALL EXTEND MINIMUM 12" BELOW FINISH GRADES AT THE FACE OF THE WALL.



ELEVATION - TYPICAL PANEL

HORIZONTAL SCALE IN FEET: 3 0 1.5 3 6

VERTICAL SCALE IN FEET: 3 0 1.5 3 6



SECTION A - TYPICAL PANEL

HORIZONTAL SCALE IN FEET: 1.5 0 0.75 1.5 3

VERTICAL SCALE IN FEET: 1.5 0 0.75 1.5 3

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1900 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG	11/19/2025
DESIGNED BY	DATE
S. ARORA	11/19/2025
DRAWN BY	DATE
A. LUOMA	11/19/2025
CHECKED BY	DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON MERIT OVER 12/09/2025 REGISTERED LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 1 & 2 FINISH DETAILS

W 09 SH 18 C 44

Issued 02/12/2026

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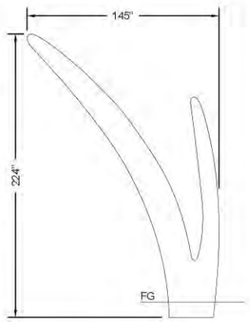
TYPE A
MIN WALL PANEL HEIGHT: 9'



1a
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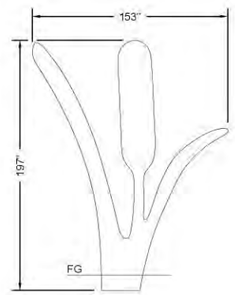

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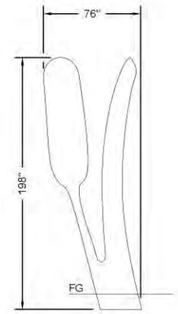

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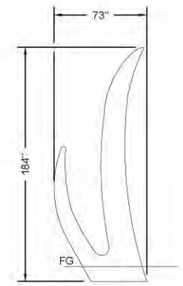

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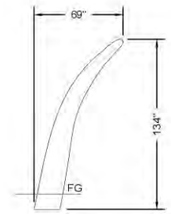
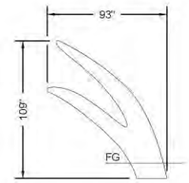
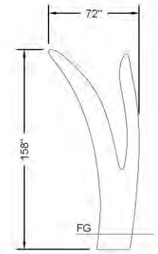


5a
QTY: 6



6a
QTY: 6



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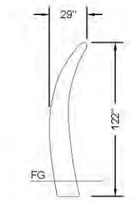

8a
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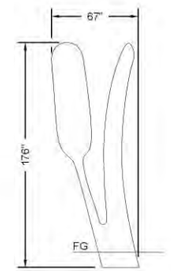
TYPE B
MIN WALL PANEL HEIGHT: 7'



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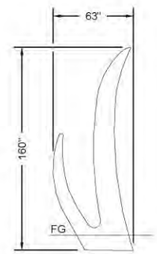

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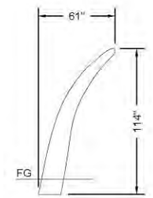

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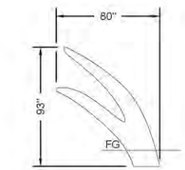

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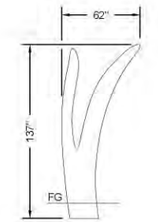

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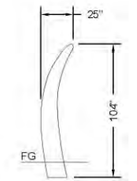
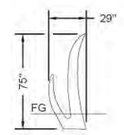


8b
QTY: 5

TYPE C
MIN WALL PANEL HEIGHT: 4'



4c
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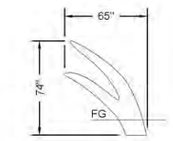

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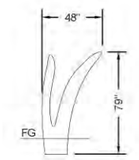

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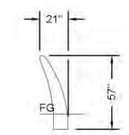

8c
QTY: 9

GENERAL NOTES FOR RECESSED PATTERN

1. RECESSED PATTERN SHAPES SHALL CONSIST OF SMOOTH ARCS, NO TANGENTS WILL BE ALLOWED.
2. EACH ELEMENT HAS VARIABLE WIDTH, SEE CONSTRUCTION NOTES ON SHEET WA09.
3. ALL DIMENSIONS ON THIS SHEET ARE ROUNDED TO THE NEAREST WHOLE INCH.
4. THE ENGINEER WILL PROVIDE DIGITAL FILES OF THE RECESSED PATTERNS TO THE SUCCESSFUL BIDDER UPON REQUEST.

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR	REVISIONS

J. VONG 11/19/2025 DESIGNED BY DATE
S. ARORA 11/19/2025 DRAWN BY DATE
A. LUOMA 11/19/2025 CHECKED BY DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON · JOSHUA MERIT OVERBY · 12/08/2025 · NO. 7259 EXP. 3/2/2026 · REGISTERED LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL 1 & 2 FINISH DETAILS

W 10 SH 19 C 44

CITY OF BELLEVUE WASHINGTON

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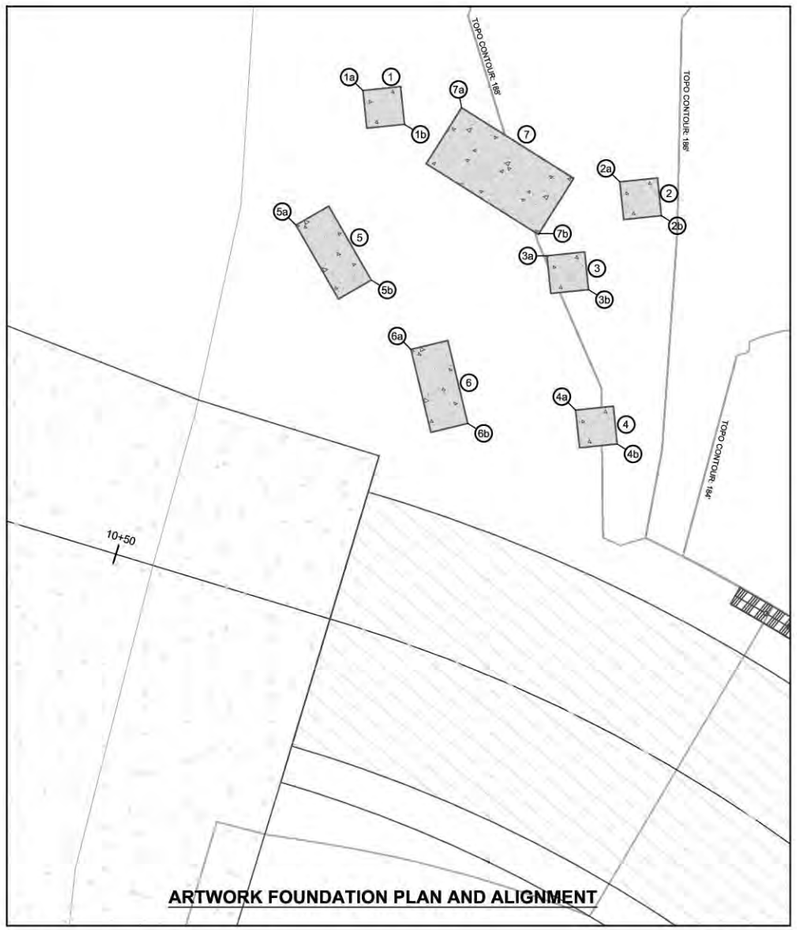


ARTWORK FOUNDATION PLAN AND ALIGNMENT

LEGEND

- ARTWORK CONCRETE FOUNDATION
- WALL
- 3" HMA TRAIL
- CONCRETE

SCALE IN FEET
4 0 4 8

GENERAL NOTES ARTWORK CONCRETE FOUNDATIONS

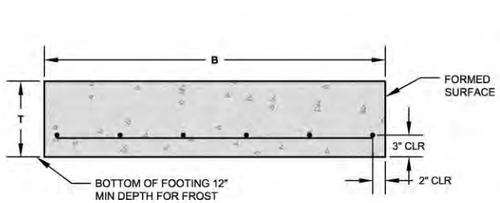
1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. FOR PROPOSED TRAIL CENTERLINE ELEVATION, SEE TRAIL PROFILE SHEET TP03
3. ARTWORK TO BE INSTALLED BY OTHERS PRIOR TO THE INSTALLATION OF IRRIGATION, TOP SOIL AND LANDSCAPING. CONTACT SCOTT GALLAGHER AT 425-210-0303 TO COORDINATE THE ARTWORK INSTALLATION FOLLOWING THE COMPLETION OF THE ARTWORK FOUNDATIONS. INSTALLATION OF ARTWORK SHALL TAKE APPROXIMATELY 10 WORKING DAYS.
4. ALL CONCRETE TO BE CLASS 3000 PER SECTION 6-02. REBAR SHALL BE PER WSDOT STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION.

ARTWORK CONCRETE FOUNDATION REINFORCING SCHEDULE

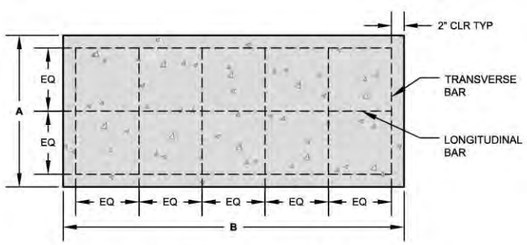
FOUNDATION TYPE	FOUNDATION SIZE [FT]			BOTTOM BARS [(NUMBER) - SIZE]		QUANTITY
	TRANSVERSE **A**	LONGITUDINAL **B**	THICKNESS **T**	TRANSVERSE BARS	LONGITUDINAL BARS	
A	2'-0"	2'-0"	1'-0"	(3) - #5	(3) - #5	4
B	2'-0"	4'-6"	1'-0"	(6) - #5	(3) - #5	2
C	3'-6"	7'-0"	1'-4"	(9) - #5	(5) - #5	1

CONSTRUCTION NOTES ARTWORK CONCRETE FOUNDATIONS

1. CONSTRUCT TYPE 'A' ARTWORK CONCRETE FOUNDATION. TOP OF SLAB ELEVATION 187.69'
   a. STA. 10+55.38, 27.21' LT
   b. STA. 10+58.00, 26.13' LT
2. CONSTRUCT TYPE 'A' ARTWORK CONCRETE FOUNDATION. TOP OF SLAB ELEVATION 185.69'
   a. STA. 10+67.96, 26.76' LT
   b. STA. 10+69.98, 25.90' LT
3. CONSTRUCT TYPE 'A' ARTWORK CONCRETE FOUNDATION. TOP OF SLAB ELEVATION 185.69'
   a. STA. 10+66.21, 21.78' LT
   b. STA. 10+68.33, 20.86' LT
4. CONSTRUCT TYPE 'A' ARTWORK CONCRETE FOUNDATION. TOP OF SLAB ELEVATION 185.69'
   a. STA. 10+69.71, 14.69' LT
   b. STA. 10+72.02, 13.89' LT
5. CONSTRUCT TYPE 'B' ARTWORK CONCRETE FOUNDATION. TOP OF SLAB ELEVATION 187.69'
   a. STA. 10+54.06, 19.38' LT
   b. STA. 10+58.70, 17.76' LT
6. CONSTRUCT TYPE 'B' ARTWORK CONCRETE FOUNDATION. TOP OF SLAB ELEVATION 187.69'
   a. STA. 10+61.77, 14.86' LT
   b. STA. 10+65.35, 12.05' LT
7. CONSTRUCT TYPE 'C' ARTWORK CONCRETE FOUNDATION. TOP OF SLAB ELEVATION 185.69'
   a. STA. 10+60.63, 27.85' LT
   b. STA. 10+65.59, 22.69' LT



CONCRETE FOUNDATION DETAIL - SECTION
NOT TO SCALE



CONCRETE FOUNDATION DETAIL - PLAN
NOT TO SCALE

NO.	DATE	BY	APPR.	REVISIONS

P. Deitrich 12/23 DESIGNED BY DATE
Z. Jackson 12/23 DRAWN BY DATE
J. Anholt 12/23 CHECKED BY DATE

City of Bellevue
Transportation Department

PAUL STANLEY DIEDRICH, STATE OF WASHINGTON, 21428, PROFESSIONAL ENGINEER

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ARTWORK FOUNDATION DETAILS

AF01

SHT 20 OF 44

Issued 02/12/2026

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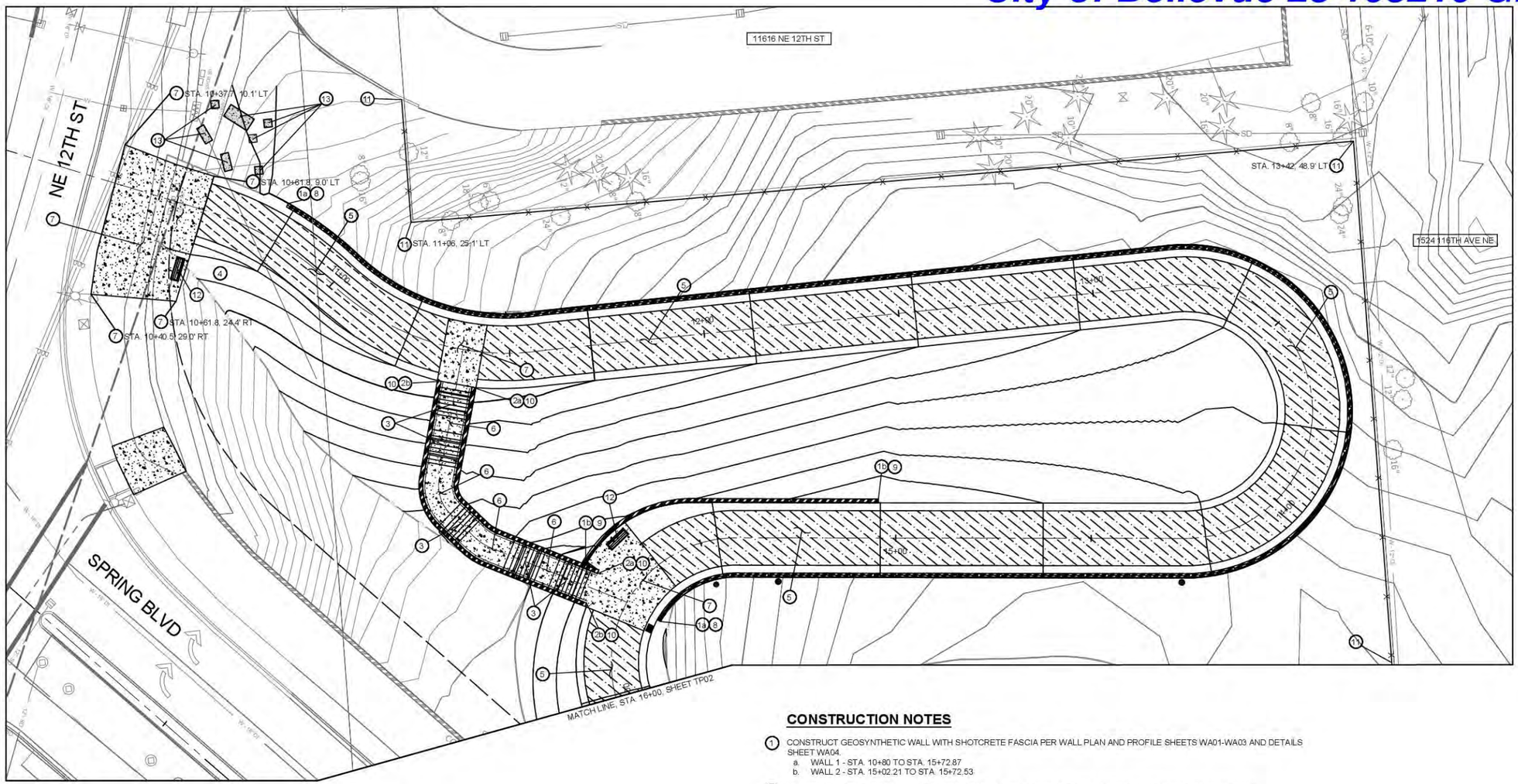

GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. WHERE THE VERTICAL DISTANCE BETWEEN UTILITIES IS LESS THAN 6 INCHES, THE CONTRACTOR SHALL PROVIDE AN O.D. X O.D. X 2.5 INCH ETHAFOAM PAD PER THE SPECIAL PROVISIONS 7-08.3(2)j.
3. FOR JUNCTION BOXES, LIGHTING AND ELECTRICAL CONDUIT INSTALLATION, SEE SHEETS CH01-CH02
4. FOR PROPOSED TRAIL CENTERLINE ELEVATION, SEE TRAIL PROFILE SHEET
5. FOR SIGNING, CHANNELIZATION PLANS, ELECTRICAL PLANS SEE SHEETS CH01-CH02.
6. FOR DRAINAGE, SEE SHEETS UT01-UT02.

CONSTRUCTION NOTES

1. CONSTRUCT GEOSYNTHETIC WALL WITH SHOTCRETE FASCIA PER WALL PLAN AND PROFILE SHEETS WA01-WA03 AND DETAILS SHEET WA04.
   a. WALL 1 - STA. 10+80 TO STA. 15+72.87
   b. WALL 2 - STA. 15+02.21 TO STA. 15+72.53.
2. CONSTRUCT REINFORCED CONCRETE WALL WITH CLASS 2 FINISH PER DETAILS AND PROFILE SHEETS WA05, WA06.
   a. WALL 3 - STA. 11+41.43 TO STA. 15+72.72
   b. WALL 4 - STA. 11+34.41 TO STA. 15+78.83
3. CONSTRUCT CONCRETE STAIRS PER PLAN, PROFILE AND DETAILS SHEETS ST01-ST02.
4. PROVIDE AND INSTALL IRRIGATION LINE SLEEVE CROSSING. SEE IRRIGATION SHEETS IR04 FOR ADDITIONAL INFORMATION.
5. EXCAVATE AREA FOR TRAIL PER TYPICAL SECTIONS SHEET TS01, AND TRAIL PROFILE, SHEETS TP03. CONSTRUCT 12' WIDE ASPHALT PATH PER TYPICAL SECTIONS SHEET TS01.
6. CONSTRUCT CONCRETE SIDEWALK, 5" DEPTH, ON TOP OF 4" COMPACTED CSTC PER COB STD. DWG NO. SW-110-1.
7. CONSTRUCT CONCRETE SIDEWALK, 5" DEPTH, ON TOP OF 4" COMPACTED CSTC. SCORE AND FINISH SIDEWALK PER SIDEWALK PLANS, SHEET TD01.
8. FABRICATE AND INSTALL PEDESTRIAN RAILING PER DETAILS, SHEET WA07.
9. FABRICATE AND INSTALL CABLE FENCE PER WSDOT STANDARD PLAN L-5.15.
10. FABRICATE AND INSTALL STAIR HANDRAIL PER DETAILS, SHEET ST02.
11. CONSTRUCT CHAIN LINK FENCE TYPE 3 PER WSDOT STANDARD PLAN L-20.10.
12. PROVIDE AND INSTALL BENCH PER DETAILS, SHEET TD02.
13. CONSTRUCT FOUNDATIONS FOR FUTURE ARTWORK PER DETAILS, SHEET AF01.

LEGEND

- NEW WALL
- 3" HMA TRAIL
- CEMENT CONC.

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR	REVISIONS

KC/KP 08/25 DESIGNED BY DATE
GK/KP 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

STEVEN JEAN POTHIER — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TRAIL PLAN

TP01

SHEET 21 OF 44

Issued 02/12/2026

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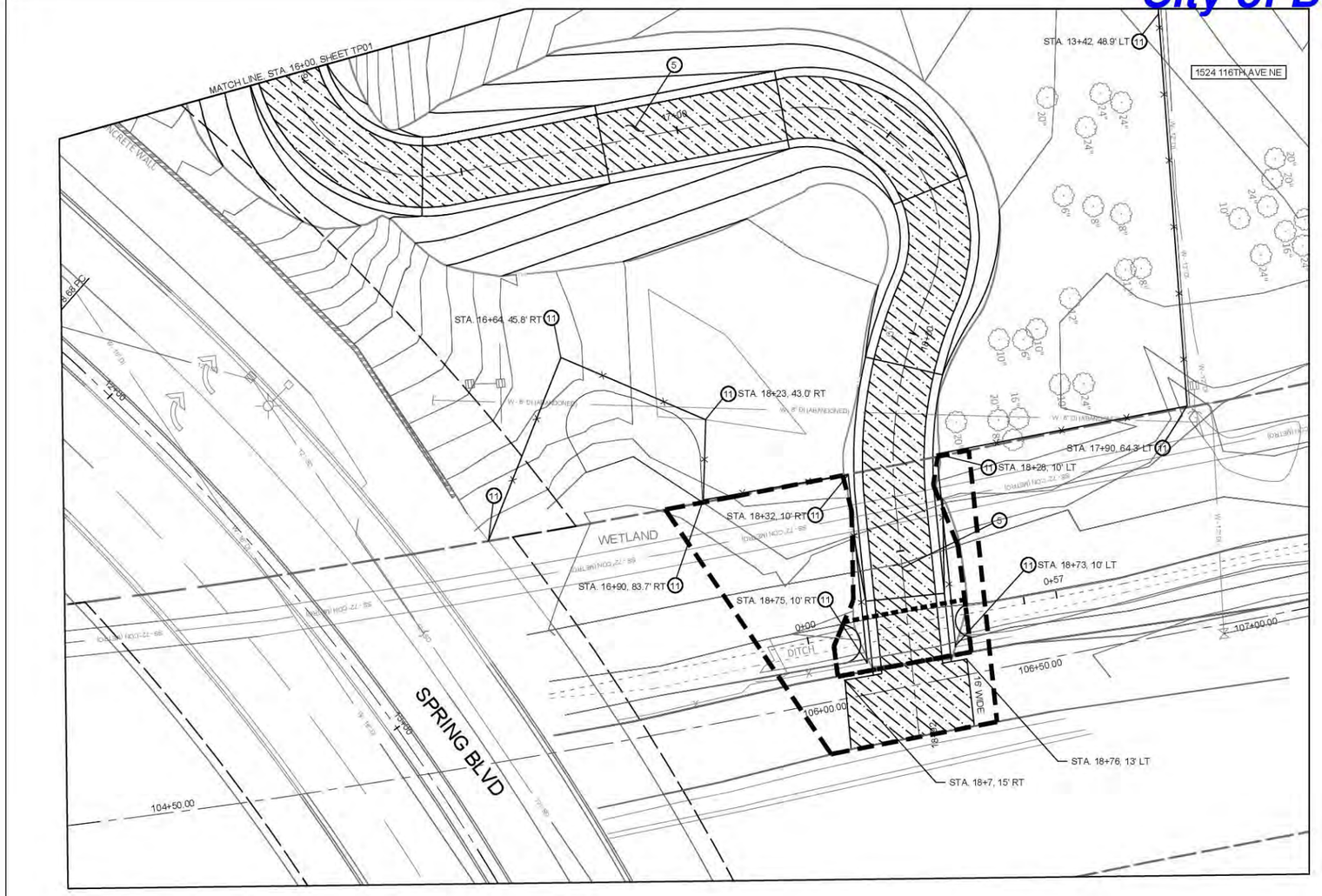


GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. WHERE THE VERTICAL DISTANCE BETWEEN UTILITIES IS LESS THAN 6 INCHES, THE CONTRACTOR SHALL PROVIDE AN O.D. X O.D. X 2.5 INCH ETHAFOAM PAD PER THE SPECIAL PROVISIONS 7-08.3(2)j.
3. FOR JUNCTION BOXES, LIGHTING AND ELECTRICAL CONDUIT INSTALLATION, SEE SHEETS CH01-CH02
4. FOR PROPOSED TRAIL CENTERLINE ELEVATION, SEE TRAIL PROFILE SHEET
5. FOR SIGNING, CHANNELIZATION PLANS, ELECTRICAL PLANS SEE SHEETS CH01-CH02.
6. FOR DRAINAGE PLANS, SHEETS UT01-UT02.

CONSTRUCTION NOTES

(5) EXCAVATE AREA FOR TRAIL PER TYPICAL SECTIONS SHEET TS01, AND TRAIL PROFILE, SHEETS TP03. CONSTRUCT 12' WIDE ASPHALT PATH PER TYPICAL SECTIONS SHEET TS01.

(11) CONSTRUCT CHAIN LINK FENCE TYPE 3 PER WSDOT STANDARD PLAN L-20.10.

LEGEND

- 3" HMA TRAIL
- DRAIANGE EASEMENT
- TRAIL EASEMENT

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR.	REVISIONS

KC/KP	08/25
DESIGNED BY	DATE
GK/KP	08/25
DRAWN BY	DATE
KP	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

KYLE JEAN POTUAK — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

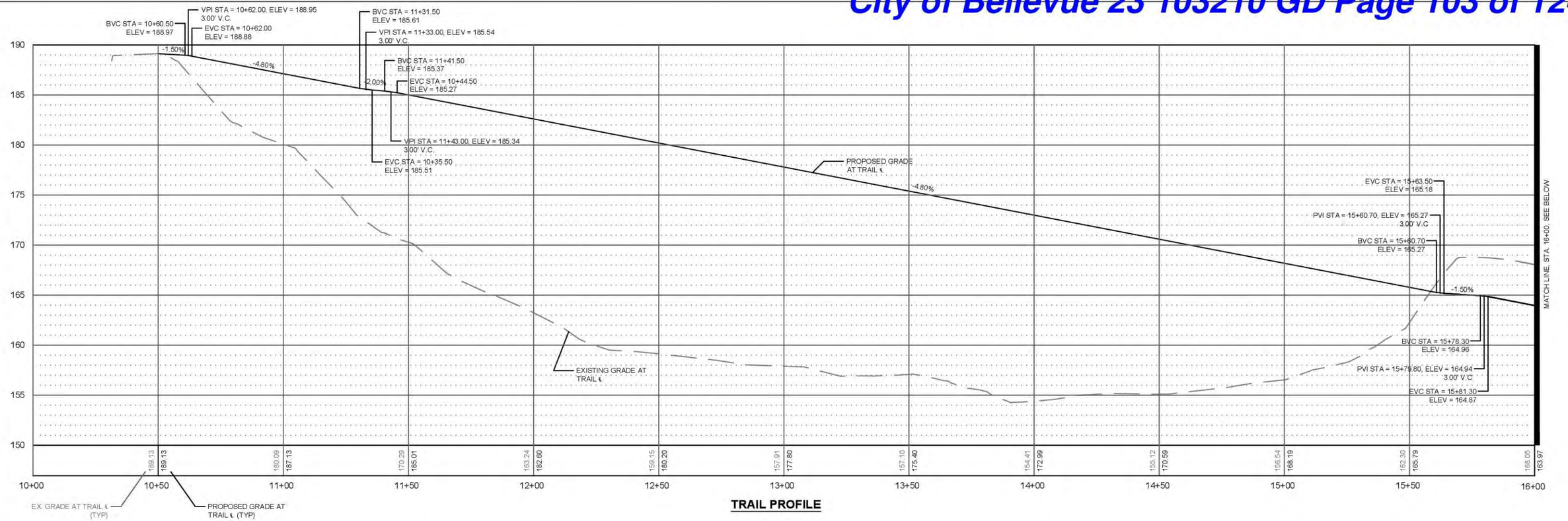
EASTRAIL TO NE SPRING BLVD TRAIL LINK

TRAIL PLAN

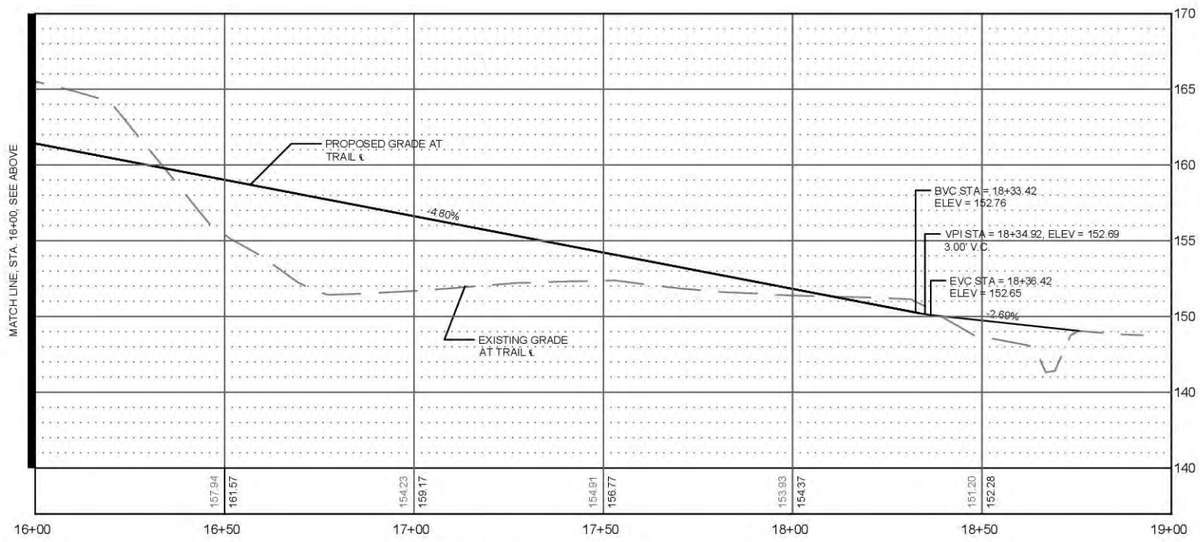
TP02 SH 22 C 44

CITY OF BELLEVUE WASHINGTON Issued 02/12/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal



TRAIL PROFILE



TRAIL PROFILE (CONTINUED)

VERTICAL SCALE IN FEET
5 0 5 10

HORIZONTAL SCALE IN FEET
20 0 20 40

NO.	DATE	BY	APPR.	REVISIONS

KC/KP 08/25 DESIGNED BY DATE
GK/KP 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

KYLE JEAN PUTNAM, STATE OF WASHINGTON, 47719, REGISTERED PROFESSIONAL ENGINEER, 1/16/26

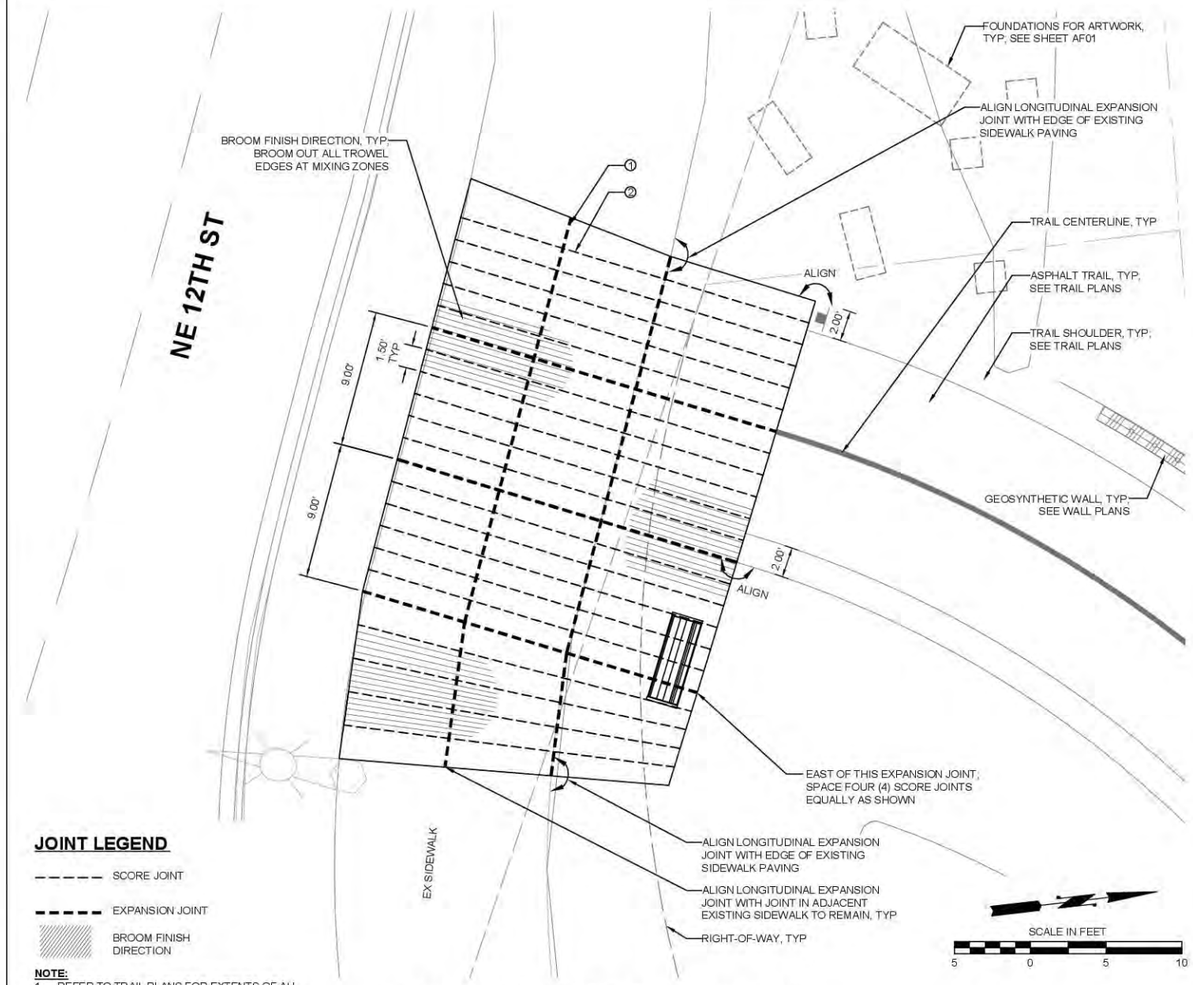
EASTRAIL TO NE SPRING BLVD TRAIL LINK

TRAIL PROFILE

TPC 8 SH 23 C 44

Issued 02/12/2026

Provided to Builders Exchange of WA, Inc. For usage Conditions Agreement see www.bxwa.com - Always Verify Scal

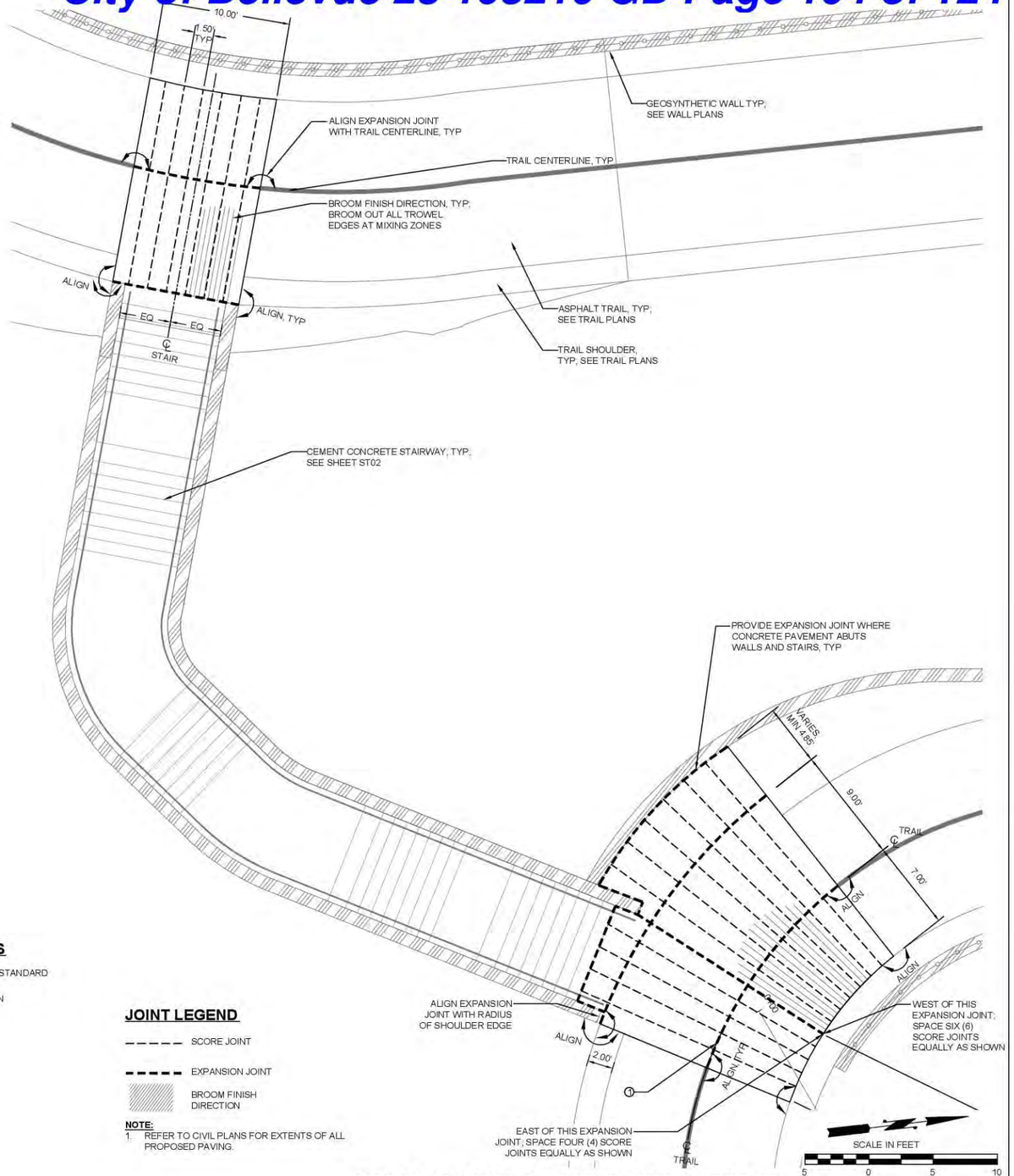


JOINT LEGEND

- SCORE JOINT
- EXPANSION JOINT
- BROOM FINISH DIRECTION

NOTE:
1. REFER TO TRAIL PLANS FOR EXTENTS OF ALL PROPOSED PAVING.
2. NEW CONCRETE PAVING TO MEET AND MATCH ADJACENT PAVING WITH SMOOTH (FLUSH) TRANSITION.

JOINT LAYOUT PLAN - NE 12TH MIXING ZONE



JOINT LEGEND

- SCORE JOINT
- EXPANSION JOINT
- BROOM FINISH DIRECTION

NOTE:
1. REFER TO CIVIL PLANS FOR EXTENTS OF ALL PROPOSED PAVING.

JOINT LAYOUT PLAN - STAIR CONNECTION MIXING ZONE

CONSTRUCTION NOTES

1. EXPANSION JOINT, TYP, SEE COB STANDARD DWG NO SW-110-1.
2. SCORE JOINT, TYP, SEE DETAIL ON SHEET TD02.

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 SEATTLE, WA 98121
206.682.3051 phone
206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG DESIGNED BY	11/19/2025 DATE
S. ARORA DRAWN BY	11/19/2025 DATE
A. LUOMA CHECKED BY	11/19/2025 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON MERIT OVER 12/09/2025 REGISTERED LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

SIDEWALK JOINT LAYOUT PLANS

TD01 SH. 24 OF 44

CITY OF BELLEVUE WASHINGTON

Issued 02/12/2026

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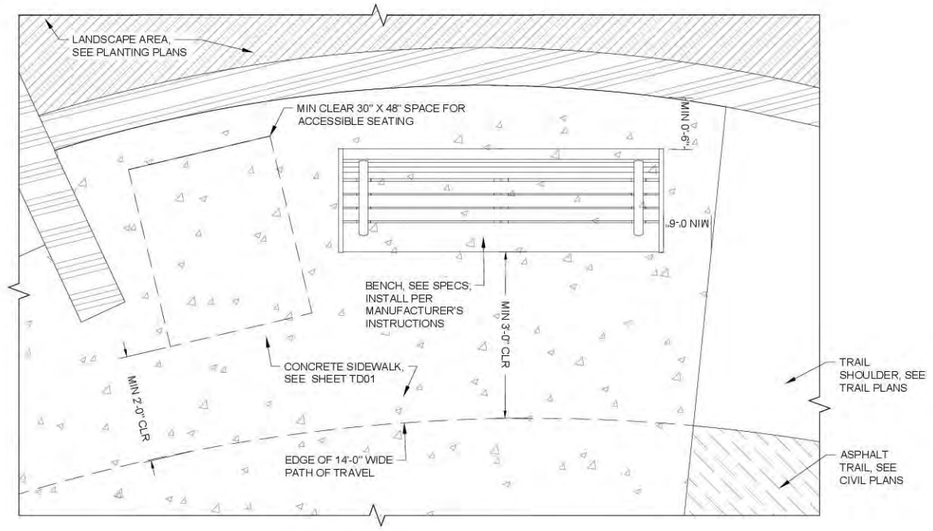
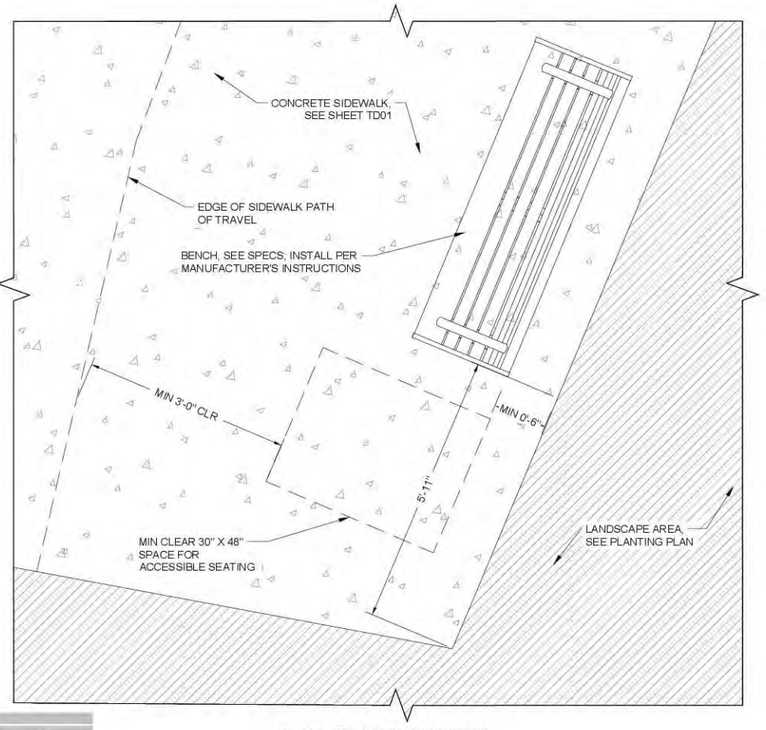
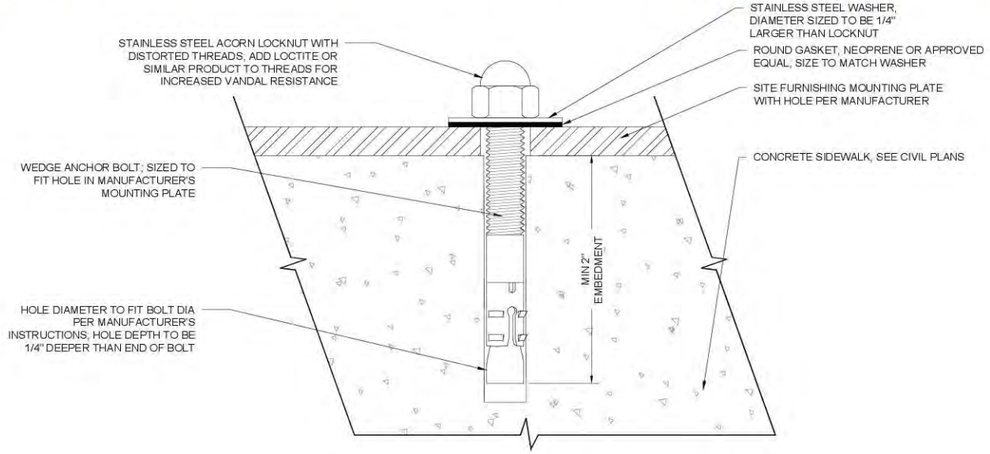


PLAN - STA 15+16.2 (VICINITY)



PLAN - STA 10+61.8 (VICINITY)

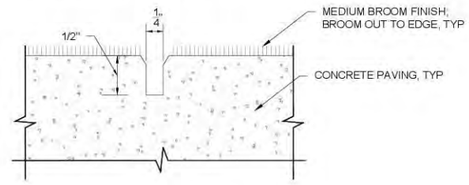


SURFACE MOUNTING

NOT TO SCALE

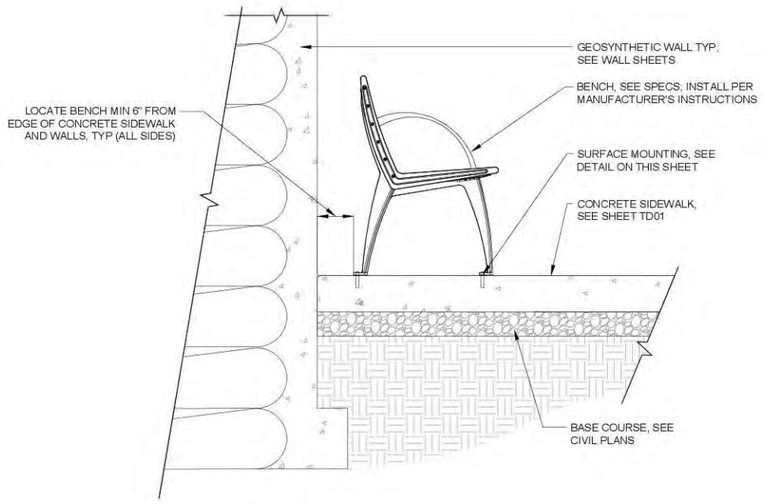
NOTES:

1. SCORE JOINT SHALL BE A SAWCUT JOINT WITH CLEAN CHAMFER EDGE AS SHOWN. USE SOFF-CUT PROEDGE BEVELED BLADE PROFILE XL-V21 OR APPROVED EQUAL, TYP.
2. SEE SHEET TD01 FOR JOINT LAYOUT.



SCORE JOINT

NOT TO SCALE



SECTION - STA 15+16.2 AND 10+61.8 (VICINITY)

BENCH INSTALLATION

NOT TO SCALE

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 SEATTLE, WA 98121
206.682.3051 phone 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG DESIGNED BY	11/19/2025 DATE
S. ARORA DRAWN BY	11/19/2025 DATE
A. LUOMA CHECKED BY	11/19/2025 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON — MERIT OF HONOR — 12/09/2025 — NOT VALID EXP. 10-2026 — REGISTERED LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

PAVING AND SITE FURNISHING DETAILS

TD02 SH 25 OF 44

Issued 02/12/2026

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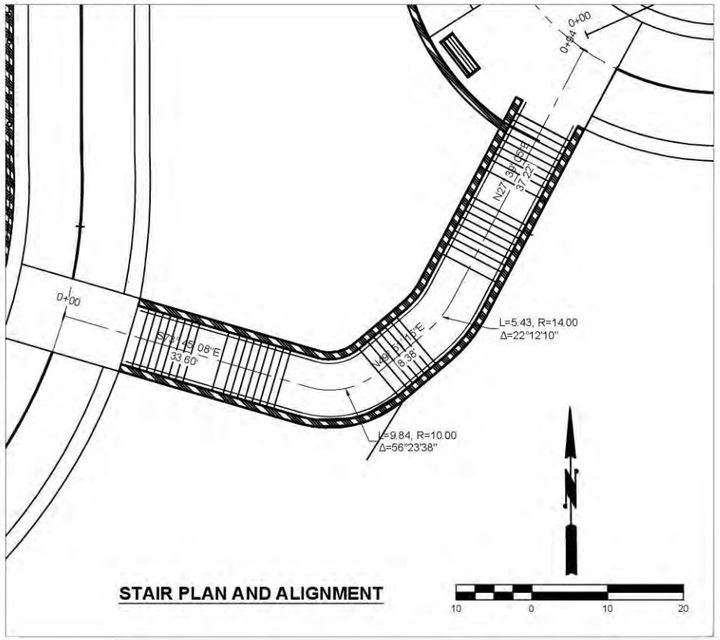
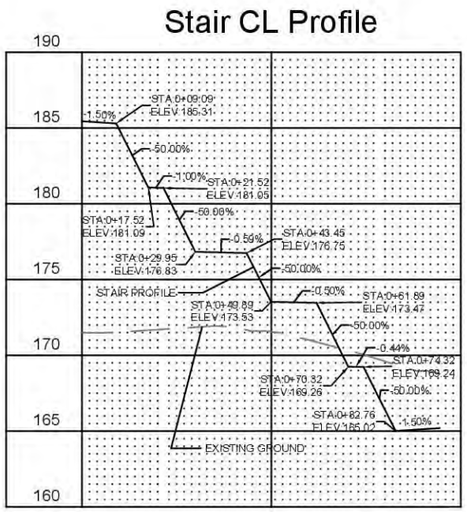


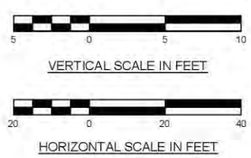
STAIR PLAN AND ALIGNMENT

STAIR CENTERLINE ALIGNMENT

STATION	PC/PT	DISTANCE LENGTH	RADIUS	BEARING/DELTA	NORTHING	EASTING	NOTES
0+00	-	33.60		S73° 45' 08" E	499463.44	497856.74	Sta 0+00 = Trail Centerline Sta 11+38.00
0+33.60	PC	9.84	10	56° 23'38"	499454.04	497889.00	
0+43.44	PT	8.38		N49° 51' 15" E	499455.99	497898.24	
0+51.82	PC	5.43	14	22° 12'10"	499461.40	497904.65	
0+57.25	PT	37.22		N27° 39' 05" E	499465.60	497908.02	Sta 0+94 = Trail Centerline Sta 15+74.82



STAIR CENTERLINE PROFILE



NO.	DATE	BY	APPR.	REVISIONS

KC/KP 08/25 DESIGNED BY DATE
GK/KP 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

KYLE JEAN POTUAK — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

CEMENT CONC. STAIRS
PLAN AND PROFILE

ST01 SH 26 OF 46

Issued 02/12/2026

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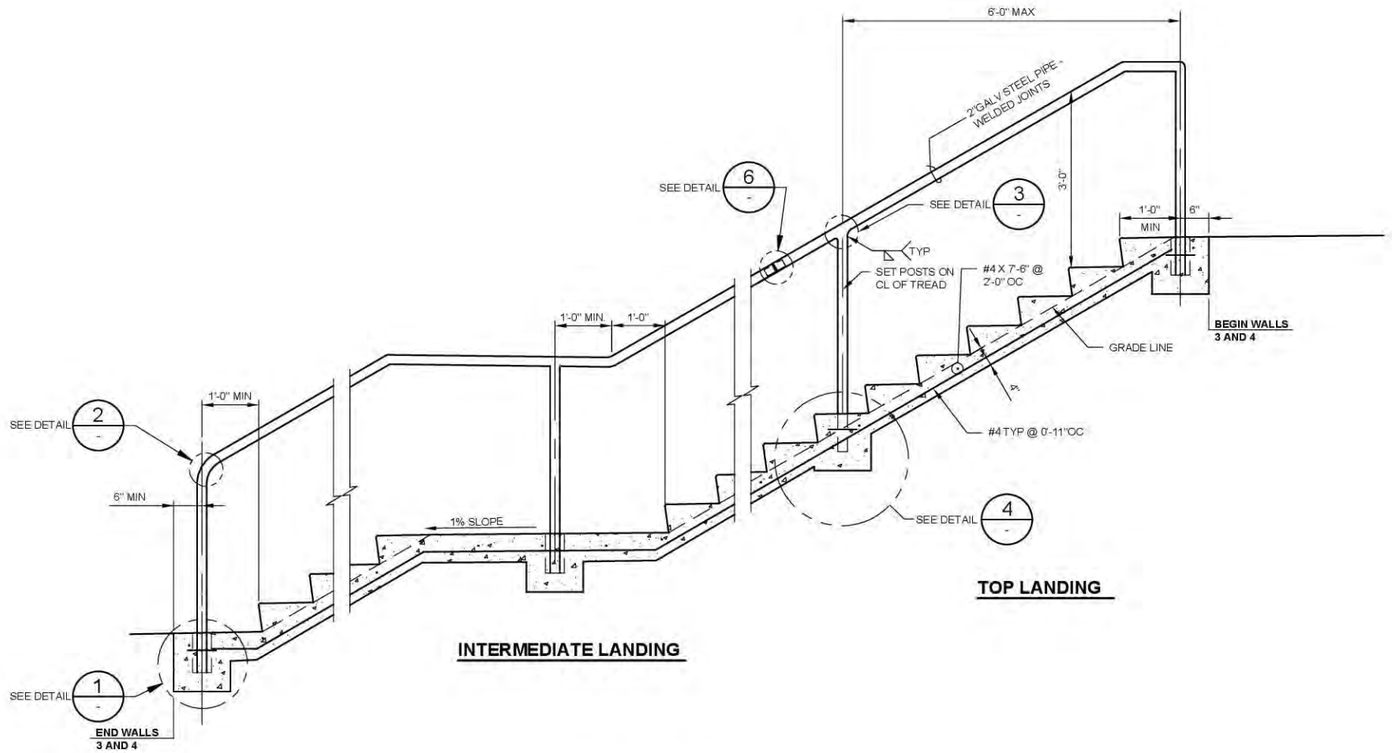
NOTES:

1. STEPS IN FLIGHT SHALL HAVE UNIFORM TREAD LENGTHS AND UNIFORM RISER HEIGHTS WITH TOLERANCE OF ±⅜".
2. TREAD SURFACE SHALL HAVE GROOVES AT THE NOSE FOR TRACTION.
3. CONCRETE FOR STAIRS SHALL BE CLASS 3000.
4. ALL STEEL PIPE FOR HANDRAIL SHALL BE ASTM A53 GRADE B. RAILING SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH AASHTO M111.
5. HANDRAIL SHALL BE BENT TO THE HORIZONTAL CURVE WHERE THE RADIUS OF CURVATURE IS LESS THAN 200'. THESE ITEMS MAY BE HEATED TO NOT MORE THAN 400°F FOR A PERIOD NOT TO EXCEED 30 MINUTES TO FACILITATE FORMING OR BENDING TO HORIZONTAL CURVATURE.
6. HANDRAIL SURFACE SHALL BE FREE FROM SHARP OR ABRASIVE ELEMENTS AND SHALL HAVE ROUNDED EDGES.
7. SHOP DRAWINGS OF HANDRAIL SHALL BE SUBMITTED FOR APPROVAL AND SHALL INCLUDE COMPLETE DIMENSIONS AND DETAILS FOR FABRICATION. MATERIAL SPECIFICATIONS SHALL BE PROVIDED IN THE SHOP DRAWINGS FOR ALL COMPONENTS.
8. WELDING OF STEEL SHALL CONFORM TO THE LASTEST EDITION OF AWS D1.1.
9. GROUT SHALL BE IN ACCORDANCE WITH STD. SPEC. SECTION 9-20.3(2).



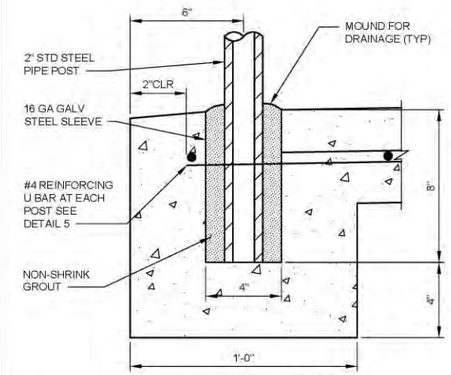
INTERMEDIATE LANDING

TOP LANDING

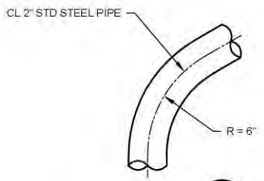
BOTTOM LANDING

PARTIAL STAIR ELEVATION

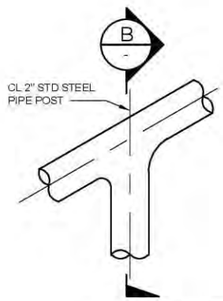
STAIR TREAD DETAIL



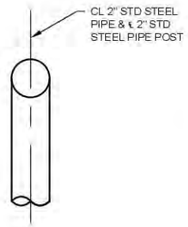
DETAIL 1



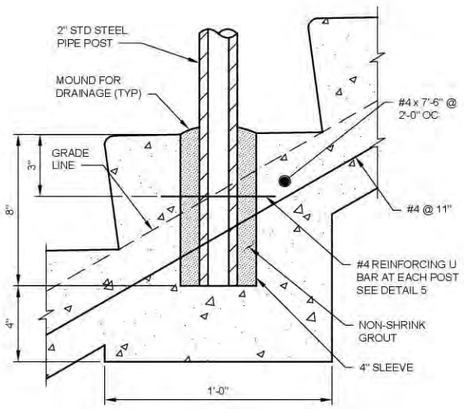
DETAIL 2



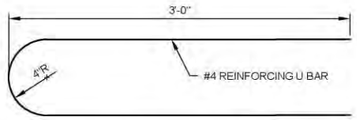
DETAIL 3



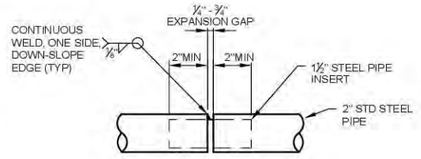
SECTION B



DETAIL 4



DETAIL 5



SLIP JOINT DETAIL 6

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

P. BARUWAL — DESIGNED BY — 11/25 DATE
D. ALTENBURG — DRAWN BY — 11/25 DATE
J. WARREN — CHECKED BY — DATE

City of Bellevue
Transportation Department

JOSHUA D. WARREN — STATE OF WASHINGTON — 28156 — PROFESSIONAL ENGINEER — 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

CEMENT CONC. STAIRS AND HANDRAIL DETAILS

STR 22 — SHEET 44 OF 44

Issued 02/12/2026

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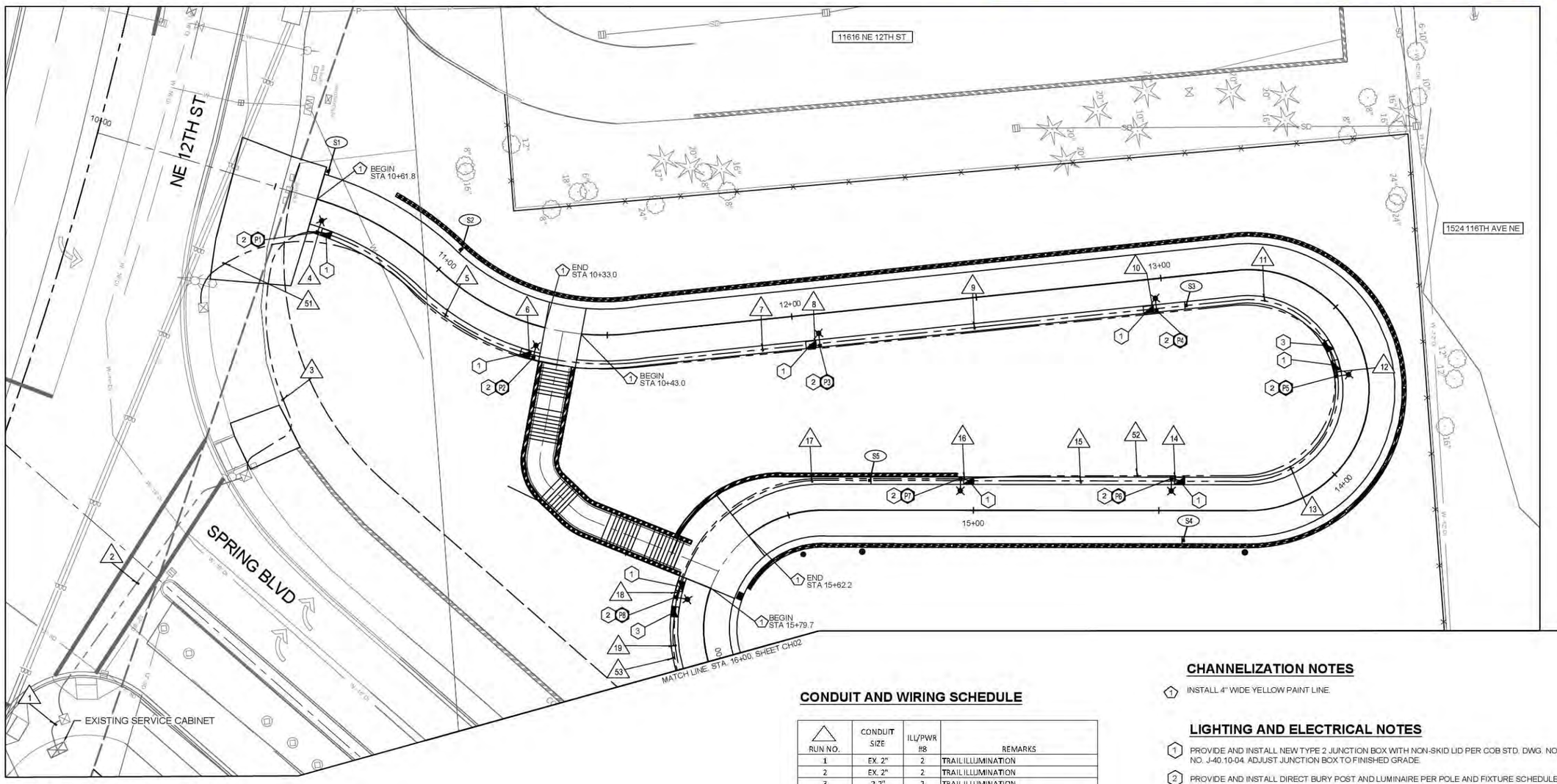

POLE & FIXTURE SCHEDULE

Pole No.	Station	Pole Type	Mounting Height (FT)	Proposed Fixture
P1	10+64+7, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P2	11+32.1, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T5-BK-035-WL-SC-PCR7-RPA
P3	12+06.8, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P4	12+98.0, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P5	13+70.0, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T5-BK-035-WL-SC-PCR7-RPA
P6	14+46.7, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P7	15+03.6, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P8	15+84.3, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T5-BK-035-WL-SC-PCR7-RPA

SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S1	10+65.5	8' LT	NEW	R1-1	18X18	RED	STOP SIGN	INSTALL NEW SIGN ON NEW POST
S2	11+00.8	8' LT	NEW	W3-1	18X18	YELLOW	STOP AHEAD SIGN	INSTALL NEW SIGN ON NEW POST
S3	13+06.0	8' RT	NEW	W1-11R	18X18	YELLOW	CURVE WARNING	INSTALL NEW SIGN ON NEW POST
S4	14+43.5	8' LT	NEW	W1-11L	18X18	YELLOW	CURVE WARNING	INSTALL NEW SIGN ON NEW POST
S5	15+27.9	8' RT	NEW	W1-11L	18X18	YELLOW	CURVE WARNING	INSTALL NEW SIGN ON NEW POST

CONDUIT AND WIRING SCHEDULE

RUN NO.	CONDUIT SIZE	ILL/PWR #8	REMARKS
1	EX. 2"	2	TRAIL ILLUMINATION
2	EX. 2"	2	TRAIL ILLUMINATION
3	2-2"	2	TRAIL ILLUMINATION
4	2-2"	2	TRAIL ILLUMINATION
5	2-2"	2	TRAIL ILLUMINATION
6	2-2"	2	TRAIL ILLUMINATION
7	2-2"	2	TRAIL ILLUMINATION
8	2-2"	2	TRAIL ILLUMINATION
9	2-2"	2	TRAIL ILLUMINATION
10	2-2"	2	TRAIL ILLUMINATION
11	2-2"	2	TRAIL ILLUMINATION
12	2-2"	2	TRAIL ILLUMINATION
13	2-2"	2	TRAIL ILLUMINATION
14	2-2"	2	TRAIL ILLUMINATION
15	2-2"	2	TRAIL ILLUMINATION
16	2-2"	2	TRAIL ILLUMINATION
17	2-2"	2	TRAIL ILLUMINATION
18	2-2"	2	TRAIL ILLUMINATION
19	2-2"	2	TRAIL ILLUMINATION
51	2-2"		COMMUNICATION
52	2-2"		COMMUNICATION
53	2-2"		COMMUNICATION

CHANNELIZATION NOTES

1. INSTALL 4" WIDE YELLOW PAINT LINE.

LIGHTING AND ELECTRICAL NOTES

1. PROVIDE AND INSTALL NEW TYPE 2 JUNCTION BOX WITH NON-SKID LID PER COB STD. DWG. NO. SL-160-1 AND WSDOT STD. PLAN NO. J-40.10-04. ADJUST JUNCTION BOX TO FINISHED GRADE.
2. PROVIDE AND INSTALL DIRECT BURY POST AND LUMINAIRE PER POLE AND FIXTURE SCHEDULE, THIS SHEET AND DETAIL, SHEET CH02.
3. PROVIDE AND INSTALL NEW TYPE 2 COMMUNICATIONS JUNCTION BOX WITH NON-SKID LID PER COB STD. DWG. NO. SL-180-1. ADJUST JUNCTION BOX TO FINISHED GRADE.

WIRE/CONDUIT NOTES

1. ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE GROUND WIRE. GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED)
2. ALL EMPTY/SPARE CONDUITS SHALL CONTAIN MULE TAPE.

SIGN NOTES

1. ALL SIGNS INSTALLED SHALL BE 7 FEET FROM THE FINISHED GRADE TO THE BOTTOM OF THE SIGN EXCEPT AS NOTED IN THE SIGN SCHEDULE.
2. FOR SIGN INSTALLATION DETAILS, SEE COB STD DWG NO. SG-100-1.
3. ALL REMOVED SIGNS SHALL REMAIN THE PROPERTY OF THE CITY OF BELLEVUE.

NO.	DATE	BY	APPR	REVISIONS

BQ/KP	08/25
DESIGNED BY	DATE
GK/KP	08/25
DRAWN BY	DATE
KP	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

KYLE JEAN POTUZAK, STATE OF WASHINGTON, 47719, REGISTERED PROFESSIONAL ENGINEER, 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ELECTRICAL, SIGNING AND CHANNELIZATION PLAN

CH 1 SH 28 C 44

Issued 02/12/2026

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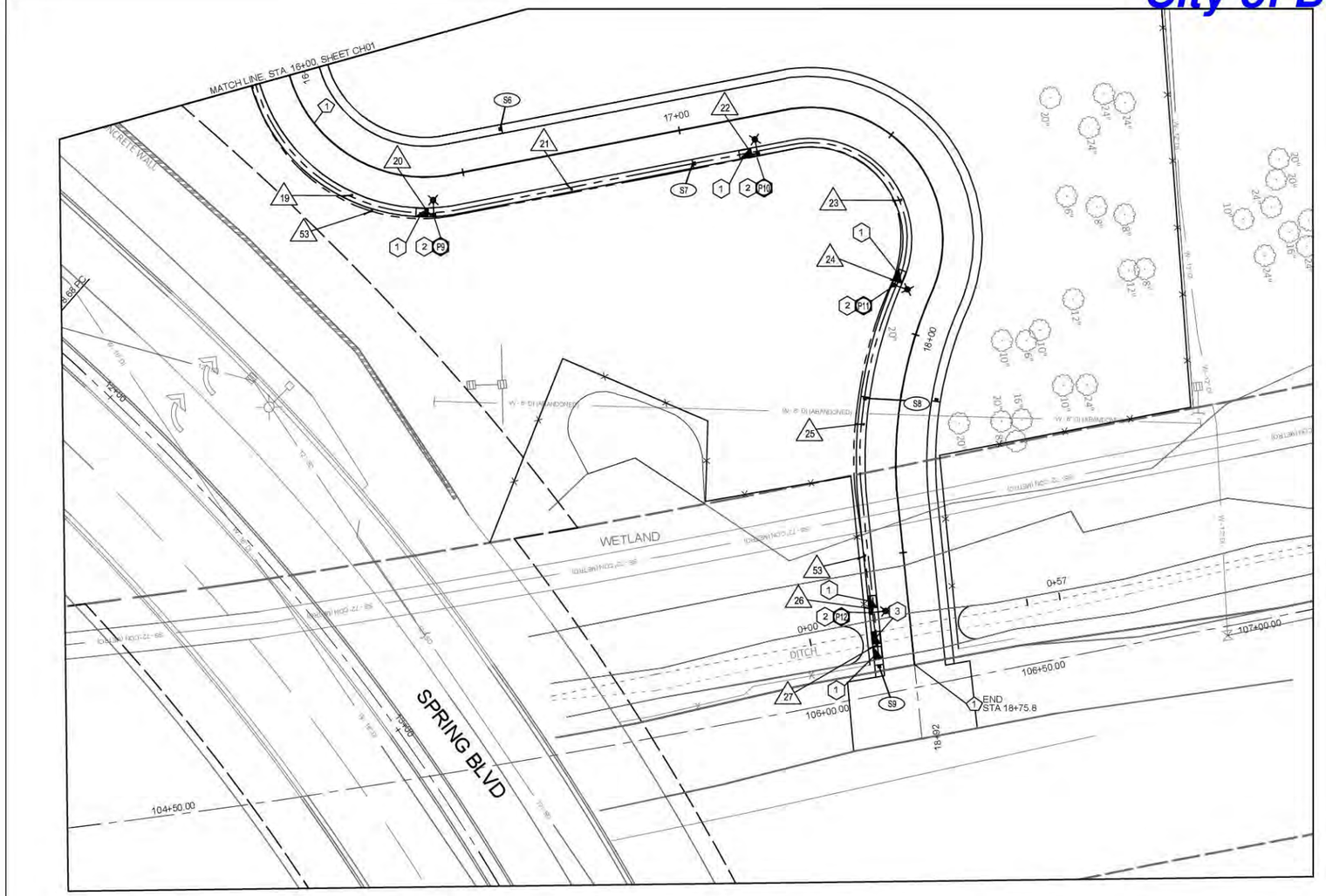

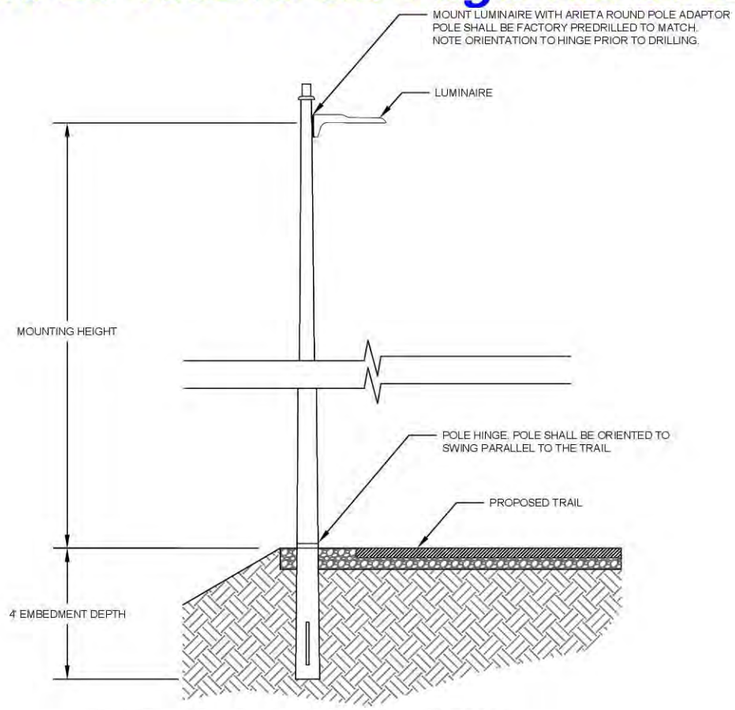

POLE AND LUMINAIRE INSTALLATION DETAIL
NOT TO SCALE

POLE & FIXTURE SCHEDULE

Pole No.	Station	Pole Type	Mounting Height (FT)	Proposed Fixture
P9	16+42.9, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P10	17+16.5, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P11	17+94.5, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA
P12	18+62.9, 8.5' RT	BOH-20-99-S1-BE-12	15	AR13-CG1-N-MV-27K-T2-BK-035-WL-SC-PCR7-RPA

SIGN SCHEDULE

SIGN NO.	STATION	OFFSET	NEW/EX.	DESIGNATION	SIZE	COLOR	DESCRIPTION	REMARKS
S6	16+60.2	8' LT	NEW	W1-1R	18X18	YELLOW	CURVE WARNING	INSTALL NEW SIGN ON NEW POST
S7	17+01.9	8' RT	NEW	W1-1R	18X18	YELLOW	CURVE WARNING	INSTALL NEW SIGN ON NEW POST
S7	18+13.9	8' LT	NEW	W1-1L	18X18	YELLOW	CURVE WARNING	INSTALL NEW SIGN ON NEW POST
S8	18+16.0	8' RT	NEW	W3-1	18X18	YELLOW	STOP AHEAD SIGN	INSTALL NEW SIGN ON NEW POST
S9	18+75.1	8' RT	NEW	R1-1	18X18	RED	STOP SIGN	INSTALL NEW SIGN ON NEW POST

CONDUIT AND WIRING SCHEDULE

RUN NO.	CONDUIT SIZE	ILL/PWR #8	REMARKS
19	2-2"	2	TRAIL ILLUMINATION
20	2-2"	2	TRAIL ILLUMINATION
21	2-2"	2	TRAIL ILLUMINATION
22	2-2"	2	TRAIL ILLUMINATION
23	2-2"	2	TRAIL ILLUMINATION
24	2-2"	2	TRAIL ILLUMINATION
25	2-2"	2	TRAIL ILLUMINATION
26	2-2"	2	TRAIL ILLUMINATION
27	2-2"	2	TRAIL ILLUMINATION
53	2-2"		COMMUNICATION

CHANNELIZATION NOTES

1. INSTALL 4" WIDE YELLOW PAINT LINE.

LIGHTING AND ELECTRICAL NOTES

1. PROVIDE AND INSTALL NEW TYPE 2 JUNCTION BOX WITH NON-SKID LID PER COB STD. DWG. NO. SL-160-1 AND WSDOT STD. PLAN NO. J-40.10-04. ADJUST JUNCTION BOX TO FINISHED GRADE.
2. PROVIDE AND INSTALL DIRECT BURY POST AND LUMINAIRE PER POLE AND FIXTURE SCHEDULE AND DETAIL, THIS SHEET.
3. PROVIDE AND INSTALL NEW TYPE 2 COMMUNICATIONS JUNCTION BOX WITH NON-SKID LID PER COB STD. DWG. NO. SL-160-1. ADJUST JUNCTION BOX TO FINISHED GRADE.

WIRE/CONDUIT NOTES

1. ALL CONDUITS CONTAINING CONDUCTORS SHALL INCLUDE GROUND WIRE. GROUND WIRE SIZE SHALL MATCH THE LARGEST CONDUCTOR (MIN. #8 UNLESS OTHERWISE NOTED)
2. ALL EMPTY/SPARE CONDUITS SHALL CONTAIN MULE TAPE.

SIGN NOTES

1. ALL SIGNS INSTALLED SHALL BE 7 FEET FROM THE FINISHED GRADE TO THE BOTTOM OF THE SIGN. EXCEPT AS NOTED IN THE SIGN SCHEDULE.
2. FOR SIGN INSTALLATION DETAILS, SEE COB STD DWG NO. SG-100-1.
3. ALL REMOVED SIGNS SHALL REMAIN THE PROPERTY OF THE CITY OF BELLEVUE.

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR.	REVISIONS

BQ/KP	08/25
DESIGNED BY	DATE
GK/KP	08/25
DRAWN BY	DATE
KP	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

KYLE JEAN PUTNAM — STATE OF WASHINGTON — 47719 — REGISTERED PROFESSIONAL ENGINEER — 1/16/26

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ELECTRICAL, SIGNING AND CHANNELIZATION PLAN

CH 2 | SH 29 | C 44

Issued 02/12/2026

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IRRIGATION SCHEDULE

POP-UP SPRAY HEADS — SEE COB STANDARD DWGS PK-IR-10A & PK-IR-10B

SYMBOL	DESCRIPTION	RADIUS	PRESSURE	GPM + 20%
	HUNTER MP ROTATOR MP800SR 90-210 W/ RAINBIRD 1812-SAM-PRS-45	8'	45	0.30
	HUNTER MP ROTATOR MP800SR 90-210 W/ RAINBIRD 1812-SAM-PRS-45	8'	45	0.55
	HUNTER MP ROTATOR MP1000 90-210 W/ RAINBIRD 1812-SAM-PRS-45	14'	45	0.28
	HUNTER MP ROTATOR MP1000 90-210 W/ RAINBIRD 1812-SAM-PRS-45	14'	45	0.53
	HUNTER MP ROTATOR MP1000 360 W/ RAINBIRD 1812-SAM-PRS-45	14'	45	1.06
	HUNTER MP ROTATOR MP2000 90-210 W/ RAINBIRD 1812-SAM-PRS-45	20'	45	0.55
	HUNTER MP ROTATOR MP2000 90-210 W/ RAINBIRD 1812-SAM-PRS-45	20'	45	1.02
	HUNTER MP ROTATOR MP2000 210-270 W/ RAINBIRD 1812-SAM-PRS-45	20'	45	1.40
	MP ROTATOR MP2000 360 W/ RAINBIRD 1812-SAM-PRS-45	20'	45	1.88
	HUNTER MP ROTATOR MP3000 90-210 W/ RAINBIRD 1812-SAM-PRS-45	30'	45	1.08
	HUNTER MP ROTATOR MP3000 90-210 W/ RAINBIRD 1812-SAM-PRS-45	30'	45	2.32
	HUNTER MP ROTATOR MP3000 360 W/ RAINBIRD 1812-SAM-PRS-45	30'	45	4.63
	HUNTER MP SIDE STRIP MPSS530 W/ RAINBIRD 1812-SAM-PRS-45	5' X 30'	45	0.56
	HUNTER MP RIGHT STRIP MPRCS515 W/ RAINBIRD 1812-SAM-PRS-45	5' X 15'	45	0.28
	HUNTER MP LEFT STRIP MPLCS515 W/ RAINBIRD 1812-SAM-PRS-45	5' X 15'	45	0.28

SEE COB STANDARD DWG PK-IR-13B — PIPE SLEEVES (SCH 40 PVC UNLESS OTHERWISE NOTED, 6" DIA EXCEPT AS NOTED OTHERWISE; SIZE AS INDICATED ON PLANS)

SEE COB STANDARD DWG PK-IR-13A AND W-06 — LATERAL LINE (SCH 40 PVC) WITH SIZE. SEE PIPE SIZE LEGEND THIS SHEET

SEE COB STANDARD DWG PK-IR-13A AND W-06 — 2" MAINLINE (SCH 40 PVC)

SEE COB STANDARD DWG PK-IR-11A — QUICK COUPLING VALVES AND COUPLERS - 1" BUCKNER QB5 LRC-10 QUICK COUPLING VALVE; PROVIDE OWNER W/ 2 SETS OF COUPLER KEYS AND LID KEYS

GPM → 5.26 / 1" ← CIRCUIT #
VALVE SIZE → 1

SEE COB STANDARD DWG PK-IR-08A — BRASS AUTOMATIC CONTROL VALVES W/ SIZE: WEATHERMATIC 8200CR SERIES

SEE COB STANDARD DWG PK-IR-14F & PK-IR-16B — (C) RELOCATED EX AUTOMATIC CONTROLLER & ENCLOSURE. RAINBIRD ESP-40SITE IN SS PEDESTAL MOUNT; SEE SPECS FOR RELOCATION REQUIREMENTS

SEE COB STANDARD DWG PK-IR-07A — (CS) 2" CURB STOP VALVE, MUELLER ORISEAL II

RELOCATED EX POINT OF CONNECTION, SEE DETAIL THIS SHEET

EXISTING IRRIGATION TO BE RESTORED TO PRECONSTRUCTION CONDITION, RECONNECT WITH ADJACENT IRRIGATION ZONE

RWS-MINI ROOT WATERING SYSTEM W/ RAINBIRD RWS-MBC-1402; 18" TUBE, 0.5 GPM

RELOCATED EXISTING AUTOMATIC CONTROL VALVE

10" ROUND VALVE 4 WIRE SPLICES

IRRIGATION NOTES

1. LOCATE QUICK COUPLING VALVES & AUTOMATIC CONTROL VALVES IN SHRUB/ GROUNDCOVER AREAS AT POINT OF EASY ACCESS. CONTRACTOR SHALL STAKE LOCATIONS FOR POC, SLEEVES, VALVES AND QUICK COUPLERS FOR ENGINEER TO REVIEW & APPROVE PRIOR TO INSTALLATION.
2. ADJUST HEAD LOCATIONS IN THE FIELD TO COMPLY WITH EX SITE CONDITIONS & PLANT MATERIALS TO AVOID SPRAY BLOCKAGE, PROVIDE HEAD TO HEAD COVERAGE, OR TO AVOID CONFLICTS WITH UNDERGROUND UTILITIES, FOUNDATIONS OR OTHER OBSTRUCTIONS.
3. EX STATIC PSI AT IRRIGATION METER IS 95 PSI. INFORMATION PROVIDED BY CITY OF BELLEVUE UTILITIES. PRIOR TO INSTALLATION OF IRRIGATION SYSTEM, CONTRACTOR SHALL FIELD VERIFY EX PSI MATCHES OR EXCEEDS DESIGN WATER PRESSURE PRIOR TO BEGINNING WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES BETWEEN THE DESIGN PSI & EX PSI PRIOR TO PROCEEDING WITH WORK.
4. SYSTEM DESIGNED TO 80 PSI AT IRRIGATION POC, 45 PSI AT SPRAY HEADS.
5. COORDINATE IRRIGATION SLEEVING INSTALLATION WITH GENERAL CONTRACTOR.
6. LOCATE IRRIGATION HEADS ACCURATELY PER PLANS. VALVE LOCATIONS, MAINLINE, AND LATERAL LINE ROUTING IS SHOWN SCHEMATICALLY FOR CLARITY. INSTALL ALL PIPE PER COB DETAILS UNLESS OTHERWISE NOTED.
7. CONTRACTOR TO DOCUMENT WORKING ORDER OF EXISTING AUTOMATIC SPRAY IRRIGATION SYSTEM PRIOR TO BEGINNING CONSTRUCTION AND SUBMIT RESULTS TO ENGINEER PRIOR TO BEGINNING WORK. CONTRACTOR SHALL RECONNECT ALL EX IRRIGATION CIRCUITS TO REMAIN AS PART OF EXISTING CONTROLLER AND VALVE RELOCATIONS. SEE SHEET IR04 FOR EXISTING IRRIGATION AREAS.
8. CONTRACTOR SHALL PROVIDE IRRIGATION FOR OFF SITE AREAS SERVICED BY THE EXISTING IRRIGATION SYSTEM. SEE SHEET IR04 AND SPECS FOR REQUIREMENTS FOR IRRIGATION SEQUENCING. EXISTING IRRIGATION TO OFF SITE AREAS TO REMAIN OPERATIONAL DURING CONSTRUCTION AS INDICATED.
9. WHEN TRENCHING OCCURS AROUND TREES TO REMAIN, THE TREE ROOTS SHALL NOT BE CUT, BUT THE TRENCH SHALL BE TUNNELED UNDER OR AROUND THE ROOTS BY CAREFUL HAND-DIGGING & WITHOUT INJURY TO THE ROOTS.
10. CONTRACTOR SHALL RESTORE ANY EX IRRIGATION TO REMAIN DAMAGED BY CONSTRUCTION ACTIVITIES TO PRE-CONSTRUCTION CONDITIONS.
11. ALIGN VALVE BOXES SQUARE TO EACH OTHER AND WITH EDGE OF ADJACENT CURB OR PAVEMENT. LOCATE VALVE BOXES MIN 12" FROM CURBS, WALLS AND PATHWAYS.
12. CITY OF BELLEVUE STANDARD PARK DETAILS CAN BE FOUND IN THE ENVIRONMENTAL BEST MANAGEMENT PRACTICES & DESIGN STANDARDS MANUAL PREPARED BY THE CITY OF BELLEVUE PARKS & COMMUNITY SERVICES NATURAL RESOURCE, RESOURCE MANAGEMENT & PLANNING DIVISIONS.

PIPE SIZE LEGEND

1"

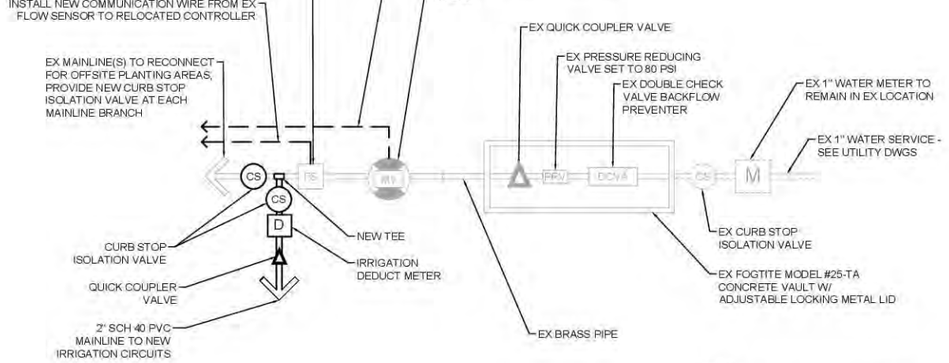
1-1/2"

DRIP IRRIGATION SCHEDULE

SEE COB STANDARD DWG PK-IR-12C, PK-IR-12D, PK-IR-12F, AND PK-1R-12E — TECHLINE CV DRIPPER TUBING, 12" EMITTER SPACING WITH 0.6 GPM EMITTER DISCHARGE. NETAFIM TECHLINE CV OPERATION INDICATOR 10-CV-01; NETAFIM FLUSH VALVE TLSOV

GPM → 5.26 / 1" ← CIRCUIT #
VALVE SIZE → 1

SEE COB STANDARD DWG PK-IR-08B — AUTOMATIC CONTROL VALVE W/ DISC FILTER W/ SIZE W/ MFR INSTALLED PRESSURE REGULATOR, WEATHERMATIC 8000 SERIES BRASS AUTOMATIC CONTROL VALVE W/ 1" PRF-100-RBY FILTER W/ XPR PRESSURE REGULATOR



NOTES:
1. ALL LINEWORK SHOWN IN GREY IS EXISTING EQUIPMENT TO BE RELOCATED. DASHED GREY LINEWORK INDICATES EXISTING EQUIPMENT TO REMAIN IN PLACE. BLACK LINEWORK INDICATES NEW EQUIPMENT TO ADD.

RELOCATED POINT OF CONNECTION DETAIL

NOT TO SCALE

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800, SEATTLE, WA 98121
206.682.3051 phone
206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG — DESIGNED BY — 11/19/2025 DATE
S. ARORA — DRAWN BY — 11/19/2025 DATE
A. LUOMA — CHECKED BY — 11/19/2025 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON — 12/09/2025 — REGISTERED LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

IRRIGATION SCHEDULE, NOTES, LEGEND & DETAIL

IR 1 — SHEET 30 — C 44

Issued 02/12/2026

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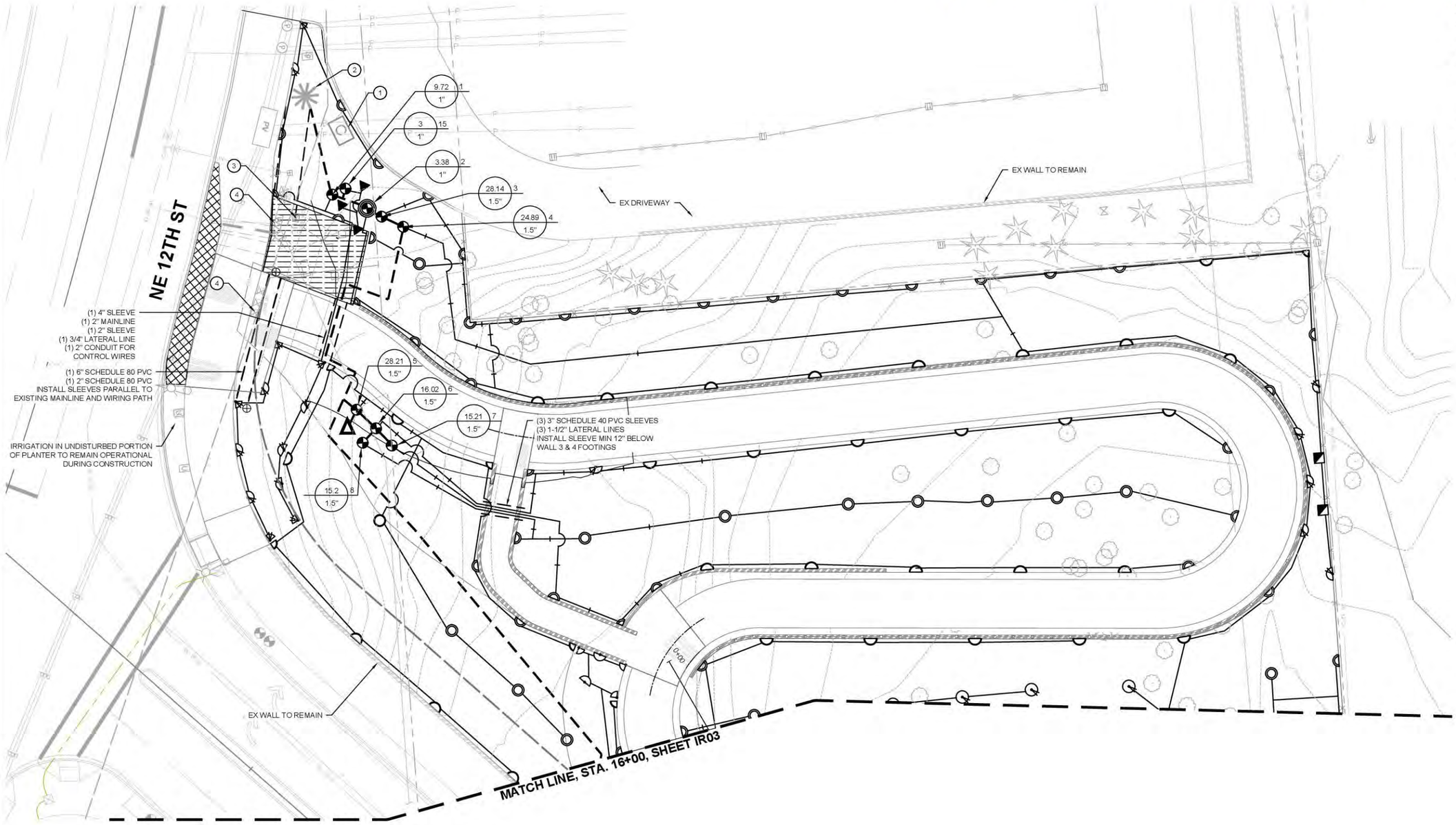

IRRIGATION GENERAL NOTES

1. SEE SHEET IR01 FOR IRRIGATION SCHEDULE.
2. SEE IR04 FOR IRRIGATION SEQUENCING & CONNECTION PLAN.

CONSTRUCTION NOTES

1. INSTALL RELOCATED CONTROLLER AND CABINET ON NEW MOUNTING PAD, SEE COB STANDARD DETAIL PK-IR-16B. INSTALL NEW WIRE AS REQUIRED TO RECONNECT EXISTING EQUIPMENT TO THE RELOCATED CONTROLLER.
2. INSTALL RELOCATED POC AND REINSTATE MAINLINE CONNECTIONS FOR OFFSITE PLANTING AREAS.
3. SALVAGE AND RELOCATE EXISTING IRRIGATION CONTROLLER AND CABINET.
4. RELOCATE AND RESTORE EXISTING IRRIGATION VALVES AND VALVE BOXES ASSOCIATED WITH OFFSITE IRRIGATED AREA.

SCALE IN FEET
15 0 15 30

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG 11/19/2025 DESIGNED BY DATE
S. ARORA 11/19/2025 DRAWN BY DATE
A. LUOMA 11/19/2025 CHECKED BY DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON · JERIT OVIA · 12/09/2025 · EXP. 2/2026 · LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

IRRIGATION PLAN

IR 2 SH 31 OF 44

Issued 02/12/2026

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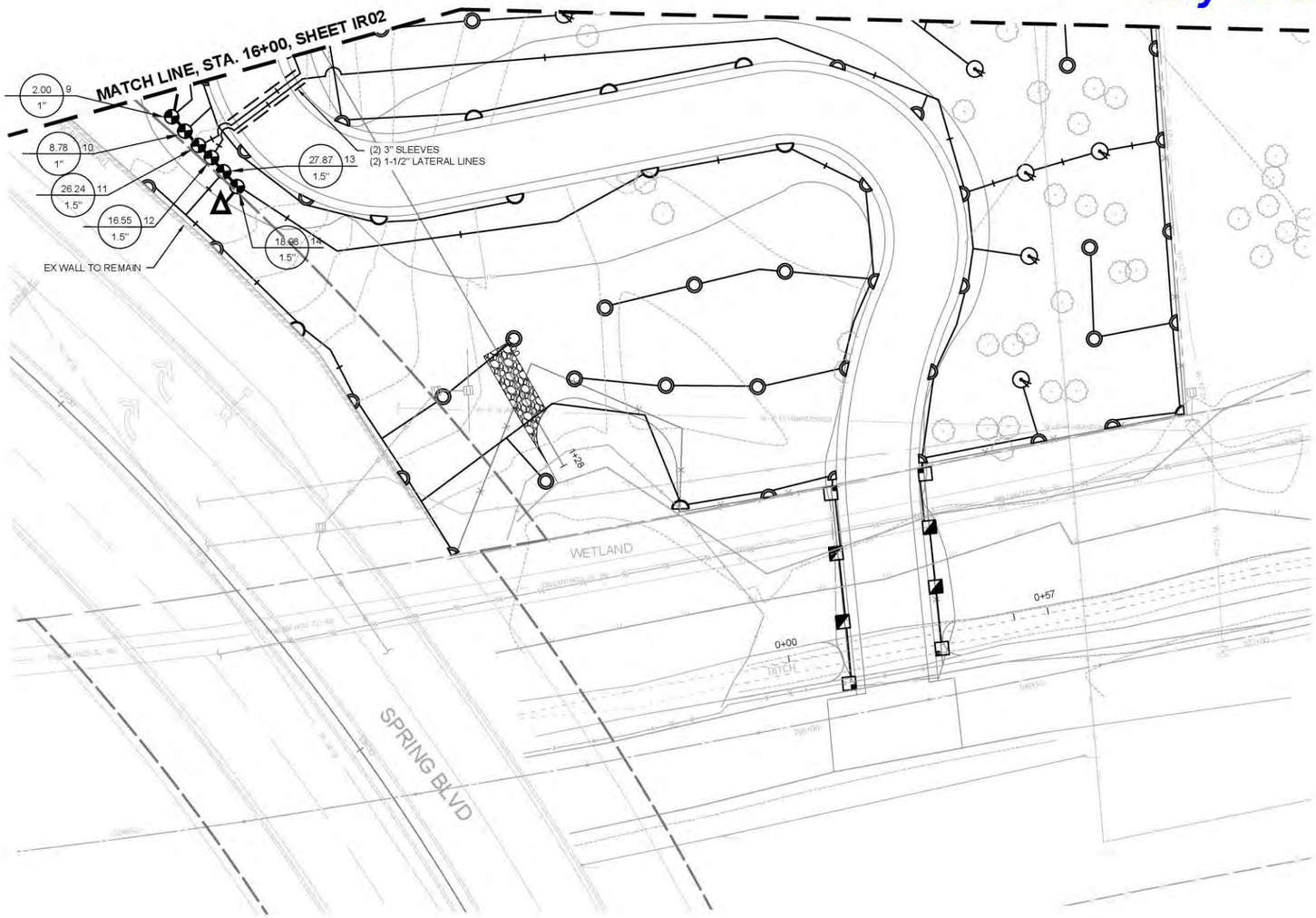

IRRIGATION GENERAL NOTES

1. SEE SHEET IR01 FOR IRRIGATION SCHEDULE.
2. SEE IR04 FOR IRRIGATION SEQUENCING & CONNECTION PLAN.

SCALE IN FEET
15 0 15 30

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LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG 11/19/2025 DESIGNED BY DATE
S. ARORA 11/19/2025 DRAWN BY DATE
A. LUOMA 11/19/2025 CHECKED BY DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON MERIT OF HONOR 12/08/2025 MO TBN EXP. 20 LICENSED LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

IRRIGATION PLAN

IR 3 SH 32 OF 44

CITY OF BELLEVUE WASHINGTON

Issued 02/12/2026

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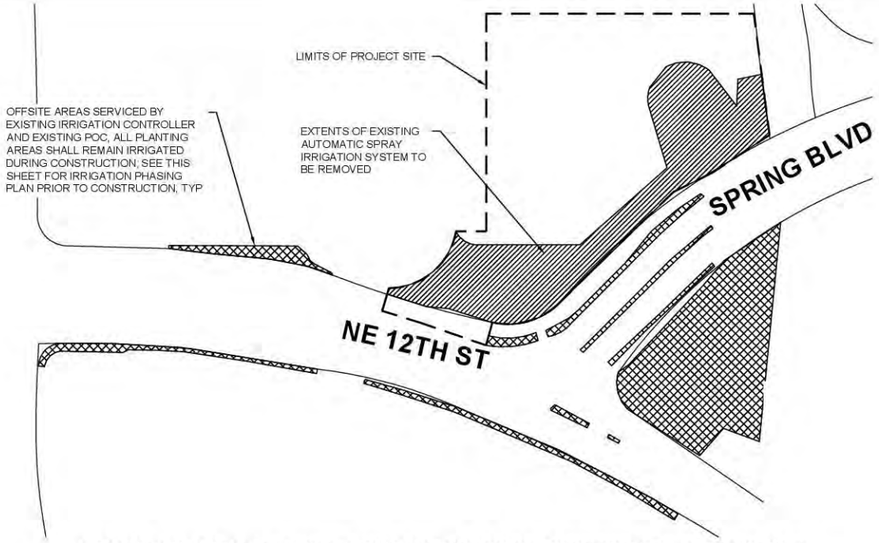


KEY MAP OF AREAS SERVICED BY EXISTING IRRIGATION CONTROLLER AND POC

NOT TO SCALE

NOTES:

1. IRRIGATION CONTROLLER, POC, AND EX VALVES ARE REQUIRED TO BE RELOCATED AT THE START OF PROJECT INTO THEIR FINAL LOCATIONS WITH ALL CONNECTIONS TO EX OFFSITE PLANTING AREAS RECONNECTED AND MADE OPERATIONAL AT THE START OF CONSTRUCTION.
2. OFFSITE PLANTING AREAS INCLUDE ALL PLANTING IRRIGATED BY THIS SYSTEM OUTSIDE OF THE PROJECT SITE LIMITS.
3. PROTECT NEW IRRIGATION PIPE AND SLEEVE AT CONSTRUCTION ENTRANCE BY COVERING WITH STEEL CONSTRUCTION ACCESS PANELS. PROTECT EX SIDEWALK TO REMAIN FROM DAMAGE BY STEEL PANELS. EX WATER METER IN PLANTER STRIP TO REMAIN AND BE PROTECTED.
4. ALL OFFSITE PLANTING AREAS DISCONNECTED FOR IRRIGATION FOR MORE THAN 7 DAYS BETWEEN JUNE 1ST AND SEPTEMBER 30TH SHALL BE HANDWATERED AT A MINIMUM 2 TIMES PER WEEK. HANDWATERING SHALL BEGIN THE 8TH DAY AFTER IRRIGATION HAS BEEN DISCONNECTED AND CONTINUE UNTIL IRRIGATION IS RESTORED AND OPERATIONAL. EX IRRIGATION SYSTEM TO OFFSITE PLANTING SHALL BE RESTORED WITHIN 30 DAYS OF BEING DISCONNECTED. CONTRACTOR IS LIABLE FOR ALL PLANT REPLACEMENT OF OFFSITE PLANTING AREAS IRRIGATED BY THIS SYSTEM RESULTING FROM LACK OF WATER.

STEP 1:

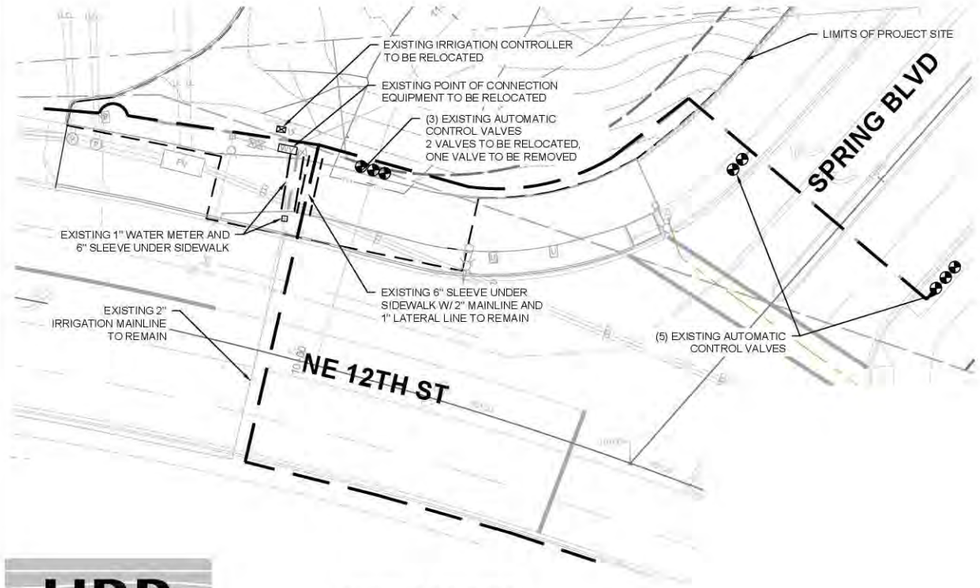
DISCONNECT AND RELOCATE EXISTING AUTOMATIC CONTROLLER AND POC. TEMPORARILY STUB EX MAINLINE AND CONTROL WIRE(S) TO BE RECONNECTED. CONTROL WIRE SHALL BE CAPPED WITH DBY CONNECTOR AND PROTECTED, NO BARE WIRE SHALL BE LEFT EXPOSED.

STEP 2:

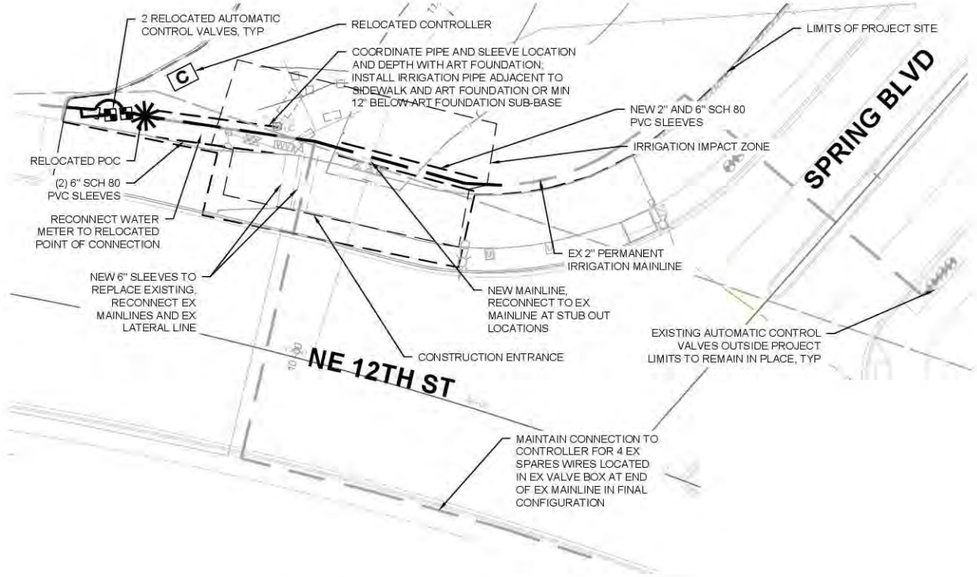
REMOVE AND SALVAGE VALVES AND ASSOCIATED IRRIGATION EQUIPMENT FROM IRRIGATION IMPACT ZONE THAT WILL BE REQUIRED TO REINSTATE OPERATION OF OFFSITE IRRIGATED AREAS. INSTALL A NEW 6" SCHEDULE 80 SLEEVE FOR THE NEW IRRIGATION MAINLINE AND CONTROL WIRES PARALLEL TO THE CONSTRUCTION ENTRANCE.

STEP 3:

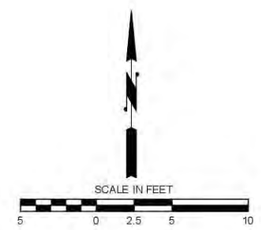
PROVIDE AND CONNECT NEW PERMANENT IRRIGATION MAINLINE FROM WATER METER TO RELOCATED POC. RELOCATE AND RECONNECT EX AUTOMATIC CONTROL VALVES FOR OFFSITE AREAS. INSTALL AND CONNECT CONTROL WIRES FROM RELOCATED CONTROLLER TO RECONNECTED VALVES FOR OFFSITE AREAS. ANY REQUIRED WIRE SPLICES FOR CONTROL VALVES SHALL BE MADE IN VALVE BOXES WITH DBY CONNECTORS.



EXISTING CONDITION



IRRIGATION RECONNECTION - PLAN



HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG DESIGNED BY 11/19/2025 DATE
S. ARORA DRAWN BY 11/19/2025 DATE
A. LUOMA CHECKED BY 11/19/2025 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON — MERIT OVER — 12/08/2025 — TIMOTHY A. LUOMA EXP. 12/08/2025 — LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

IRRIGATION PLAN

IR 4 SH 33 C 44

Issued 02/12/2026

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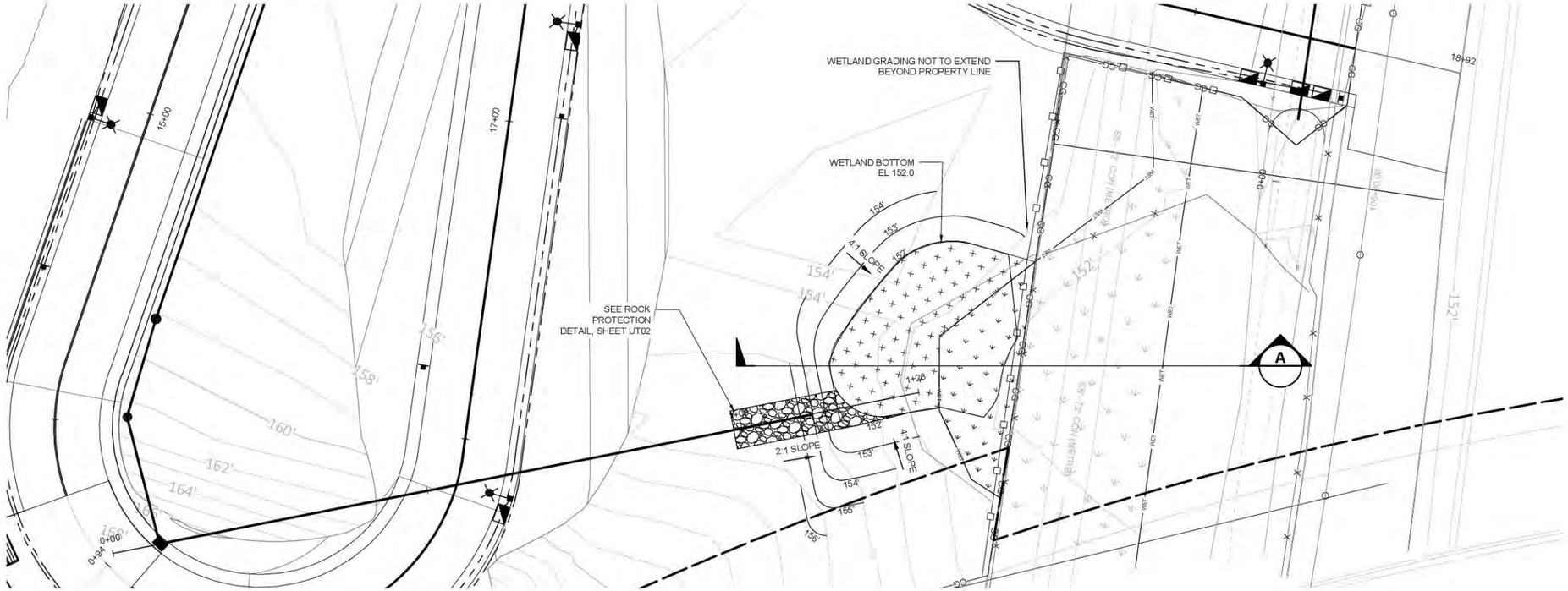
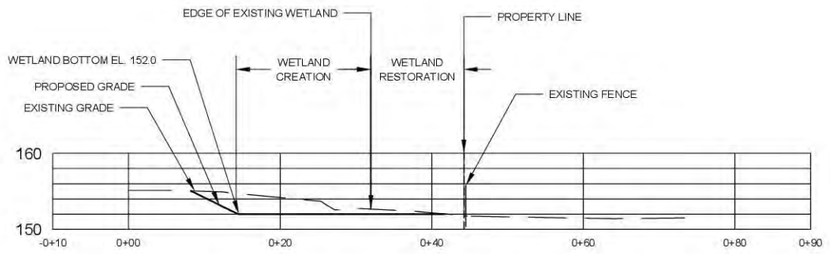


LEGEND

- RIGHT OF WAY (ROW)
- HIGH VISIBILITY SILT FENCE
- EXISTING FENCE
- EXISTING WETLAND BOUNDARY
- 154' EXISTING CONTOUR
- 154' PROPOSED CONTOUR
- EXISTING WETLAND
- WETLAND CREATION (452 S.F.)
- WETLAND RESTORATION (316 S.F.)

PLAN



SECTION A

GENERAL NOTES

1. WETLAND GRADING IS PAID UNDER ROADWAY EXCAVATION INCLUDING HAUL.
2. SEE MITIGATION AREA AREA SOIL PREPARATION DETAIL, SHEET LA03.

SCALE IN FEET
10 0 5 10 20

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue, Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

G. KING	11/25
DESIGNED BY	DATE
G. KING	11/25
DRAWN BY	DATE
J. GAGE	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON — JOHN HAN C. GE — No. 25952 — EXP. 03/17/2026 — LANDSCAPE ARCHITECT — 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

MITIGATION GRADING PLAN & SECTION

LA01 SHT 34 OF 44

Issued 02/12/2026

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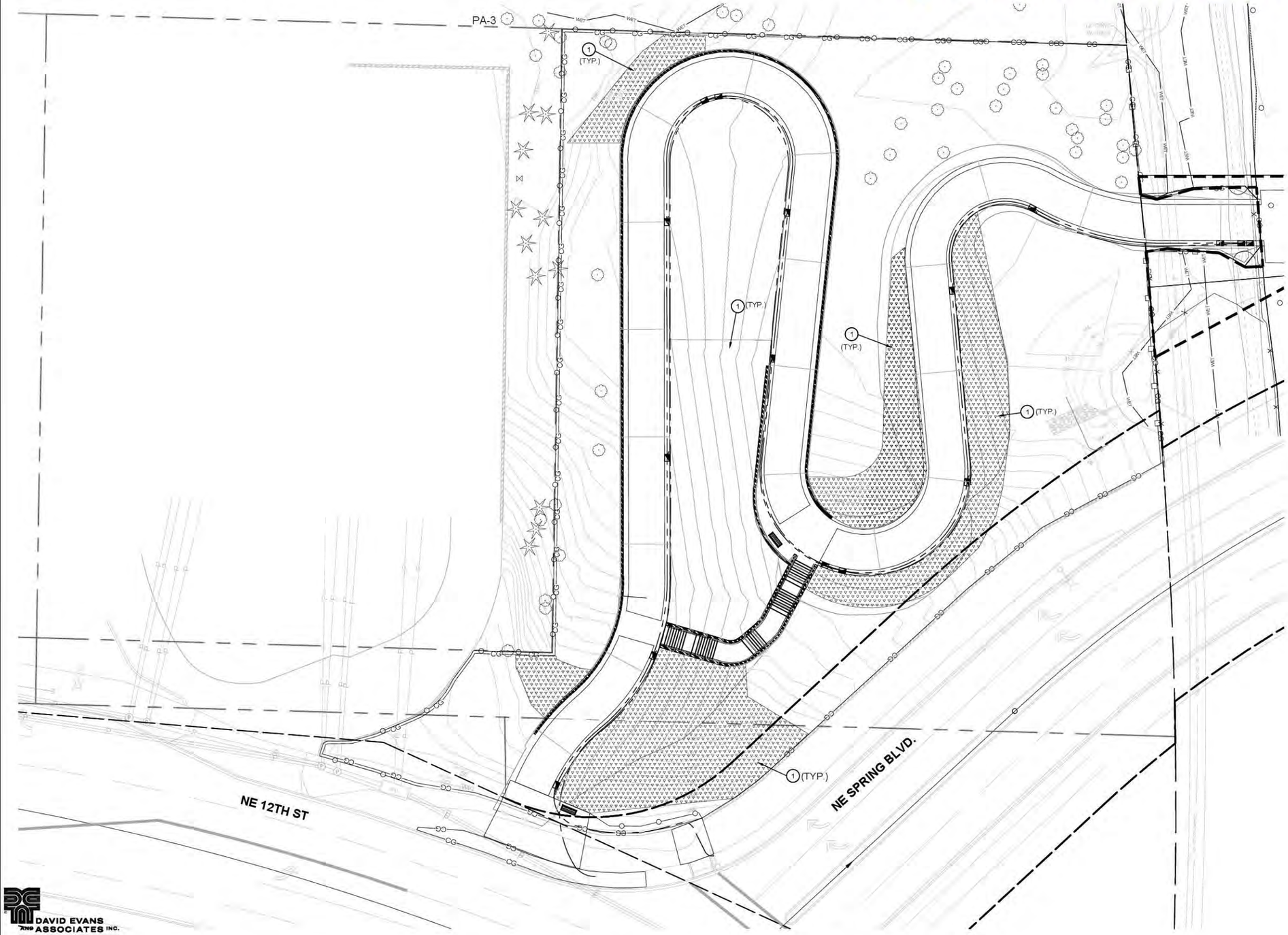

LEGEND

- BIODEGRADABLE EROSION CONTROL BLANKET
- EXISTING WETLAND BOUNDARY
- EXISTING FENCE
- EXISTING RIGHT OF WAY (ROW)
- EXISTING PROPERTY BOUNDARY
- EXISTING TREES TO REMAIN
  - CONIFEROUS TREE
  - DECIDUOUS TREE

CONSTRUCTION NOTES

1. INSTALL BIODEGRADABLE EROSION CONTROL BLANKET ON ALL 3:1 AND STEEPER SLOPES PER WSDOT STANDARD PLAN I-60.10.

GENERAL NOTES

1. BIODEGRADABLE EROSION CONTROL BLANKET SHALL BE PER SPECIAL PROVISIONS.

SCALE IN FEET
20 0 10 20 40

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

G. KING	11/25
DESIGNED BY	DATE
G. KING	11/25
DRAWN BY	DATE
J. GAGE	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

JONATHAN C. BAGBY — STATE OF WASHINGTON — No. 992 EXP. 03/17/2026 — LANDSCAPE ARCHITECT — 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

PERMANENT EROSION CONTROL PLAN

LA22 SHT 35 OF 44

CITY OF BELLEVUE WASHINGTON — Issued 02/12/2026

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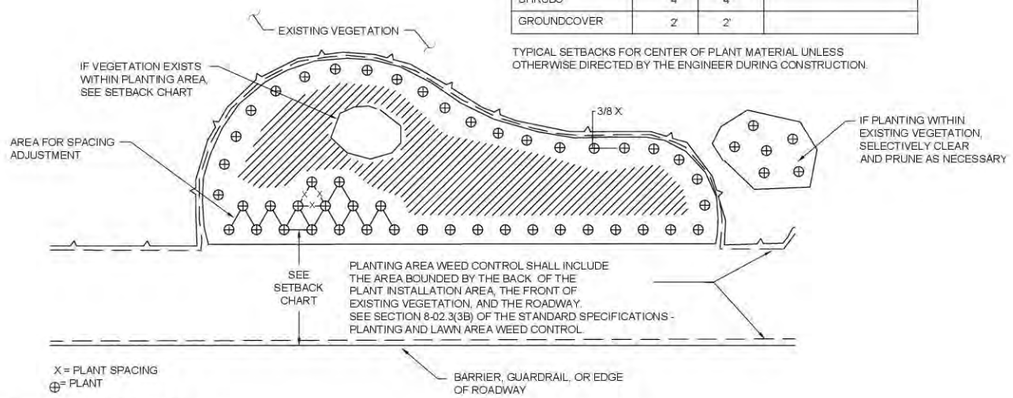
PLANT SCHEDULE

BOTANICAL NAME	COMMON NAME	CONDITION	SIZE (HT)	QUANTITIES PA-1	PA-2	PA-3	PA-4	PA-5	PA-6	PA-7	PA-8	PA-9	PA-10	PA-11	TOTAL	SPACING	REMARKS
TREES																	
THUJA PLICATA	WESTERN RED CEDAR	5 GAL.	48" HT. MIN.	17							8				25	AS SHOWN	WELL BRANCHED, SINGLE LEADER
PSEUDOTSUGA MENZIESII	DOUGLAS FIR	5 GAL.	48" HT. MIN.	13							16				29	AS SHOWN	WELL BRANCHED,SINGLE LEADER
PICEA SITCHENSIS	SITKA SPRUCE	5 GAL.	48" HT. MIN.	8							2				10	AS SHOWN	WELL BRANCHED, SINGLE LEADER
MALUS FUSCA	WESTERN CRABAPPLE	B&B	6' HT. MIN.	6				6			6				18	AS SHOWN	WELL BRANCHED, SINGLE LEADER
RHAMNUS PURSHIANA	CASCARA	B&B	6' HT. MIN.	5				8			16				29	AS SHOWN	WELL BRANCHED, SINGLE LEADER
POPULUS TREMULOIDES	QUAKING ASPEN	B&B	6' HT. MIN.	13							25				38	AS SHOWN	WELL BRANCHED, SINGLE LEADER
PRUNUS EMARGINATA	BITTER CHERRY	B&B	6' HT. MIN.	7							0				7	AS SHOWN	WELL BRANCHED, SINGLE LEADER
SALIX SCOULERIANA	SCOULER'S WILLOW	2 GAL.	36" HT. MIN.	0							0			9	9	AS SHOWN	WELL BRANCHED, SINGLE LEADER
LARGE SHRUBS / SMALL TREES (MAX. HT. 20')																	
CORYLUS CORNUTA	WESTERN HAZELNUT	5 GAL.	3'-4' HT.	34							32				66	8' O.C.	WELL BRANCHED, INSTALL INDIVIDUALLY
AMELANCHIER ALNIFOLIA	SERVICEBERRY	5 GAL.	3'-4' HT.	35							32				67	8' O.C.	WELL BRANCHED, INSTALL INDIVIDUALLY
ACER CIRCINATUM	VINE MAPLE	5 GAL.	3'-4' HT.	34							33				67	8' O.C.	WELL BRANCHED, INSTALL INDIVIDUALLY
SAMBUCUS RACEMOSA	RED ELDERBERRY	1 GAL.	8"-12" HT.	138							91				229	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
OEMLERIA CERASIFORMIS	OSOBERRY	1 GAL.	8"-12" HT.	103							122				225	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
HOLODISCUS DISCOLOR	OCEAN SPRAY	1 GAL.	8"-12" HT.	171							153				324	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
PHILADELPHUS LEWISII	MOCK ORANGE	1 GAL.	8"-12" HT.	171							153				324	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
MEDIUM SHRUBS (MAX. HT. 8')																	
CORNUS SERICEA	RED OSIER DOGWOOD	1 GAL.	8"-12" HT.											16	16	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
LONICERA INVOLUCRATA	BLACK TWINBERRY	1 GAL.	8"-12" HT.				18	49						18	85	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
SYMPHORICARPOS ALBUS	SNOWBERRY	1 GAL.	8"-12" HT.				11	31							42	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
ROSA NUTKANA	NOOTKA ROSE	1 GAL.	8"-12" HT.				32	60							92	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
MAHONIA AQUFOLIUM	TALL OREGON GRAPE	1 GAL.	8"-12" HT.				14	39				10	9		72	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL.	8"-12" HT.				8	21				10	9		48	4' O.C.	WELL BRANCHED, INSTALL IN GROUPS OF 3-5
GROUNDCOVERS (MAX. HT. 3')																	
ARCTOSTAPHYLOS UVA-URSI	KINNIKINNICK	1 GAL.	4"- 6" SPREAD		49	888			178	571					1,686	24" O.C.	WELL BRANCHED
CAMPANULA ROTUNDIFOLIA	COMMON HAREBELL	1 GAL.	8"-12" HT.		35										35	24" O.C.	WELL BRANCHED
LUPINUS POLYPHYLLUS	BIGLEAF LUPINE	1 GAL.	8"-12" HT.			466			283	65					814	24" O.C.	WELL BRANCHED
TRITELEIA HYACINTHINA	WHITE BRODIAEA	1 GAL.	8"-12" HT.							106					106	24" O.C.	WELL BRANCHED
ACHILLEA MILLEFOLIUM	COMMON YARROW	1 GAL.	8"-12" HT.			387									387	24" O.C.	WELL BRANCHED

PLANT SETBACK CHART

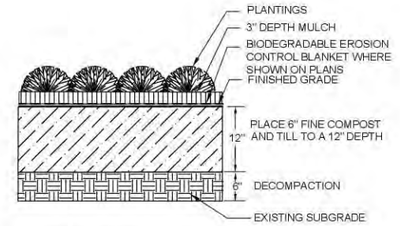
	WALL	PATHS	EXISTING TREE TRUNK
TREES	8'	10'	15'
SHRUBS	4'	4'	
GROUNDCOVER	2'	2'	

TYPICAL SETBACKS FOR CENTER OF PLANT MATERIAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER DURING CONSTRUCTION.



PLANTING AREA LAYOUT

NOT TO SCALE



MITIGATION AREA SOIL PREPARATION

NOT TO SCALE

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue, Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

G. KING	DESIGNED BY	11/25 DATE
G. KING	DRAWN BY	11/25 DATE
J. GAGE	CHECKED BY	11/25 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON — JOHN WAN C. GE — LANDSCAPE ARCHITECT — 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

MITIGATION PLANTING SCHEDULES & DETAILS

LAG3 S T 30 OF 44

Issued 02/12/2026

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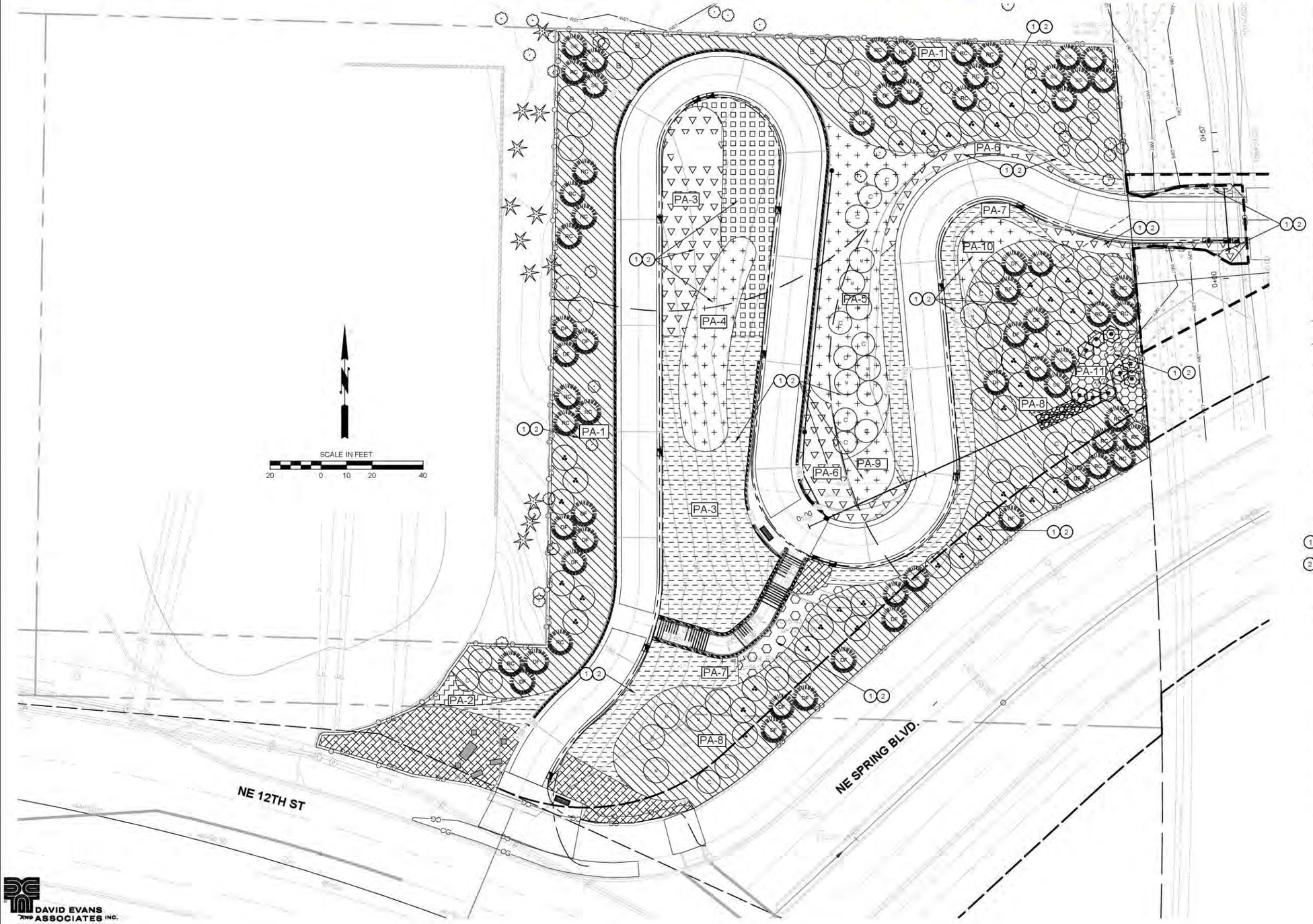

LEGEND

(SEE PLANT SCHEDULE, SHEET LA03)

- SHRUBS, LARGE SHRUBS SMALL TREES, MAX 20' HT.
- WETLAND TREES AND SHRUBS.
- MEDIUM SHRUBS, MAX 8' HT.
- GROUNDCOVERS AND PERENNIALS, MAX 3' HT.
- ORNAMENTAL PLANTING SEE SHEET LA06
- EXISTING WETLAND
- EXISTING PROPERTY BOUNDARY
- EXISTING WETLAND BOUNDARY
- EXISTING WETLAND BUFFER BOUNDARY
- EXISTING GRAVEL TRAIL
- EXISTING RIGHT OF WAY (ROW)
- EXISTING FENCE
- CONIFEROUS TREE
- DECIDUOUS TREE
- EXISTING TREES TO REMAIN

CONSTRUCTION NOTES

1. DECOMPACT SUBGRADE AND PREPARE SOIL PER MITIGATION AREA SOIL PER SOIL PREPARATION DETAIL, SHEET LA03.
2. INSTALL UNIFORM 3" DEPTH MULCH.

GENERAL NOTES

1. INSTALL TREES, PER STANDARD DETAILS PK-IM-03A AND PK-IM-03B, CITY OF BELLEVUE ENVIRONMENTAL BEST MANAGEMENT PRACTICES AND DESIGN STANDARDS, 2020 (EXCEPT MULCH SHALL BE 3" DEPTH).
2. INSTALL SHRUBS, PER STANDARD DETAILS PK-IM-02A AND PK-IM-02B, CITY OF BELLEVUE ENVIRONMENTAL BEST MANAGEMENT PRACTICES AND DESIGN STANDARDS, 2020 (EXCEPT MULCH SHALL BE 3" DEPTH).
3. INSTALL GROUNDCOVER PLANTS, PER STANDARD DETAIL PK-IM-04, CITY OF BELLEVUE ENVIRONMENTAL BEST MANAGEMENT PRACTICES AND DESIGN STANDARDS, 2020 (EXCEPT MULCH SHALL BE 3" DEPTH).
4. SOIL AMENDMENT SHALL BE FINE COMPOST PER WSDOT STANDARD SPECIFICATION 9-14.5(8).
5. SEE SPECIAL PROVISIONS FOR MULCH.
6. SEE MITIGATION PLANTING SCHEDULES AND DETAILS, SHEET LA03.
7. A TOTAL OF 55 EXISTING TREES ARE BEING REMOVED AS A RESULT FROM DEVELOPMENT. CITY OF BELLEVUE CODE, TREE REPLACEMENT RATIO IS 2:1. REPLACEMENT TREE REQUIRED (55 X 2) = 110 REPLACEMENT TREES PROVIDED = 165

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

G. KING DESIGNED BY	11/25 DATE
G. KING DRAWN BY	11/25 DATE
J. GAGE CHECKED BY	11/25 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON — JENNIFER A. NICOLAI — No. 22552 EXP. 03/17/2026 — LANDSCAPE ARCHITECT — 12/1/25

EASTRAIL TO NE SPRING BLVD TRAIL LINK

MITIGATION PLANTING PLAN

LA04 SHT 37 OF 44

Issued 02/18/2026

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City of Bellevue 23 103210 GD Page 118 of 124

ORNAMENTAL PLANTING SCHEDULE

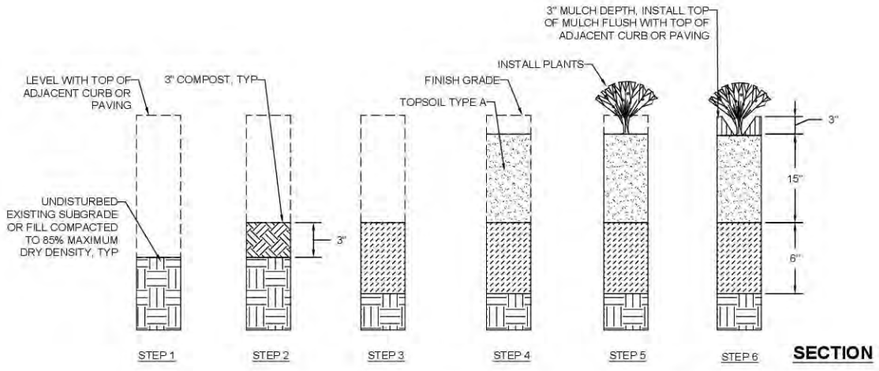
SYM	QTY	SCIENTIFIC/COMMON NAME	SIZE / REMARKS
		TREES	
	3	CORNUS 'STARLIGHT' / STARLIGHT DOGWOOD	2" CAL B&B, FULL & WELL BRANCHED; STRAIGHT SINGLE CENTRAL LEADER; MIN 6' BRANCHING HT AND SYMMETRICAL BRANCHING HEIGHT
		GROUNDCOVERS	
	115	LIRIOPE MUSCARI 'BIG BLUE'/ BIG BLUE LILYTURF	1 GAL, 6" HT, MIN; FULL & WELL ROOTED; TRIANGULAR SPACING @ 18" OC
	106	GERANIUM MACRORRHIZUM 'BEVANS VARIETY'/ BIGROOT GERANIUM	1 GAL, 6" HT, MIN; FULL & WELL ROOTED; TRIANGULAR SPACING @ 24" OC
		SHRUBS	
	37	PENNISETUM ALOPECUROIDES 'HAMELN'/ DWARF FOUNTAIN GRASS	1 GAL, 30" O.C, 12" HT, MIN; FULL, WELL ROOTED AND BRANCHED
	25	GAULTHERIA SHALLON / SALAL	2 GAL, 48" O.C, 12" HT, MIN; FULL, WELL ROOTED AND BRANCHED
	49	MAHONIA REPENS / CREEPING OREGON GRAPE	1 GAL, 30" O.C, 6" HT, MIN; FULL, WELL ROOTED AND BRANCHED; MIN 3 BRANCHES
	35	CORNUS SERICEA 'KELSEYI' / KELSEY DOGWOOD	1 GAL, 36" O.C, 10" HT, MIN; FULL, WELL ROOTED AND BRANCHED
	32	POLYSTICHUM MUNITUM / WESTERN SWORD FERN	1 GAL, 36" O.C, 12" HT, MIN; FULL, WELL ROOTED AND BRANCHED; MIN 3 FRONDS
	30	CEANOTHUS GLORIOSUS / POINT REYES CEANOTHUS	1 GAL, 48" O.C, 6" SPREAD, MIN; FULL, WELL ROOTED AND BRANCHED
	47	IMPERATA CYLINDRICA 'RUBRA' / JAPANESE BLOOD GRASS	1 GAL, 24" O.C, 12" HT, MIN; FULL, WELL ROOTED AND BRANCHED
	6	RIBES SANGUINIEM 'KING EDWARD VII' / RED FLOWERING CURRANT	5 GAL, 60" O.C, 30" HT, MIN; FULL, WELL ROOTED AND BRANCHED
	9	ROSA 'RADRAZZ' / KNOCK OUT ROSE	2 GAL, 60" O.C, 12" HT, MIN; FULL, WELL ROOTED AND BRANCHED
	27	CAREX PACHYSTACHYA / THICK-HEADED SEDGE	1 GAL, 24" O.C, 6" HT, MIN; FULL, WELL ROOTED AND BRANCHED

ORNAMENTAL PLANTING LEGEND

MITIGATION PLANTING, SEE MITIGATION PLANTING PLAN

ORNAMENTAL PLANTING NOTES

1. SHEETS LA05-LA06 ARE FOR ORNAMENTAL PLANTING ONLY. SEE SHEETS LA01-LA04 FOR MITIGATION PLANTING REQUIREMENTS.
2. ENGINEER SHALL REVIEW AND APPROVE SUBGRADES IN PLANTING AREAS PRIOR TO THE COMMENCEMENT OF PLANTING.
3. FINISH GRADES IN PLANTING AREAS SHALL FLOW SMOOTHLY INTO ONE ANOTHER WITH NO ABRUPT TRANSITIONS AND PRODUCE POSITIVE DRAINAGE.
4. FIELD STAKE OR DEMARCATE PLANTING LOCATIONS FOR ENGINEER REVIEW AND APPROVAL PRIOR TO INSTALLATION.
5. TREE LOCATIONS SHOWN ON PLANTING PLAN ARE APPROXIMATE. STAKE ALL TREE LOCATIONS IN THE FIELD FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO PLANTING THE TREES. IF FIELD ADJUSTMENTS ARE NECESSARY THE FOLLOWING MIN SETBACKS FOR CENTERLINE OF TREE TRUNKS TO EDGE OF DRIVEWAY, FACE OF CURB OR INTERSECTION AND TO CENTER OF ALL OTHERS SHOWN APPLY:
   - A. LIGHT POLES 25'
   - B. DRIVEWAYS 10'
   - C. UNDERGROUND SEWER & WATER LINES 5'
   - D. EXISTING TREES 15'
   - E. FACE OF CURB 3'
   - E. EDGE OF TRAIL 10'
   - F. RETAINING WALLS 5'
6. COORDINATE PLANTING LOCATIONS WITH SPRINKLER HEAD LOCATIONS TO AVOID ANY CONFLICTS.
7. PLANT MATERIAL MUST BE MAINTAINED PER THE APPROVED PLANT ESTABLISHMENT PLAN THROUGH THE ONE (1) YEAR GUARANTEE PERIOD FOR PLANT ESTABLISHMENT, SEE SPECS.
8. UNLESS OTHERWISE NOTED, INSTALLATION OF ALL ORNAMENTAL PLANT MATERIAL SHALL BE PER THE CITY OF BELLEVUE PARKS STANDARD DETAILS, EXCEPT ALL MULCH DEPTHS SHALL BE REVISED TO BE 3" COMPACTED DEPTH. CITY OF BELLEVUE PARKS STANDARD DETAILS CAN BE FOUND IN THE ENVIRONMENTAL BEST MANAGEMENT PRACTICES & DESIGN STANDARDS MANUAL.



SECTION

STEP 1
EXCAVATE EXISTING SOIL TO 21" DEPTH BELOW FINISH GRADE. AVOID UNDERMINING NEARBY FEATURES. PROVIDE PERCOLATION TEST PER SPECS, AND REMOVE ALL STRUCTURAL FILL PRIOR TO PROCEEDING TO STEP 2.

STEP 2
INSTALL MIN 3" DEPTH FINE COMPOST.

STEP 3
THOROUGHLY SCARIFY FINE COMPOST TO A 6" DEPTH. ENGINEER SHALL REVIEW & APPROVE WORK PRIOR TO PROCEEDING TO STEP 3.

STEP 4
INSTALL MIN 15" DEPTH OF TOPSOIL TYPE A & WATER SETTLE/COMPACT PRIOR TO INSTALLING PLANTS. REVIEW FINISH GRADE WITH ENGINEER PRIOR TO PROCEEDING WITH STEP 5.

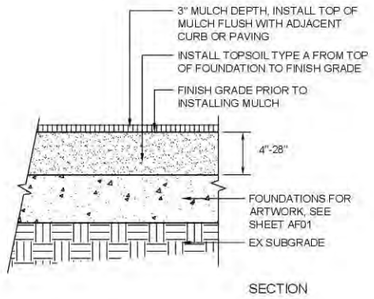
STEP 5
INSTALL PLANTS.

STEP 6
INSTALL 3" DEPTH MULCH.

NOTES
1. ALL DIMENSIONS INDICATE COMPACTED DEPTHS. COMPACT TO 85% MAX DRY DENSITY.
2. INCREASE DEPTH OF EXCAVATION & TOPSOIL TO ACCOMMODATE TREE ROOT BALL DEPTH 18"-30".

SOIL PREPARATION IN ORNAMENTAL PLANTING AREAS

NOT TO SCALE



SECTION

SOIL PREPARATION OVER ART FOUNDATIONS

NOT TO SCALE

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA. 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG	11/19/2025
DESIGNED BY	DATE
S. ARORA	11/19/2025
DRAWN BY	DATE
A. LUOMA	11/19/2025
CHECKED BY	DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON — MERIT OVER — 12/09/2025 — LICENSED LANDSCAPE ARCHITECT — NO RUN EXP. JUNE 2026

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ORNAMENTAL PLANTING NOTES, SCHEDULE, LEGEND & DETAILS

CITY OF BELLEVUE WASHINGTON

Issued 02/12/2026

LA05 | SH 38 | C 44

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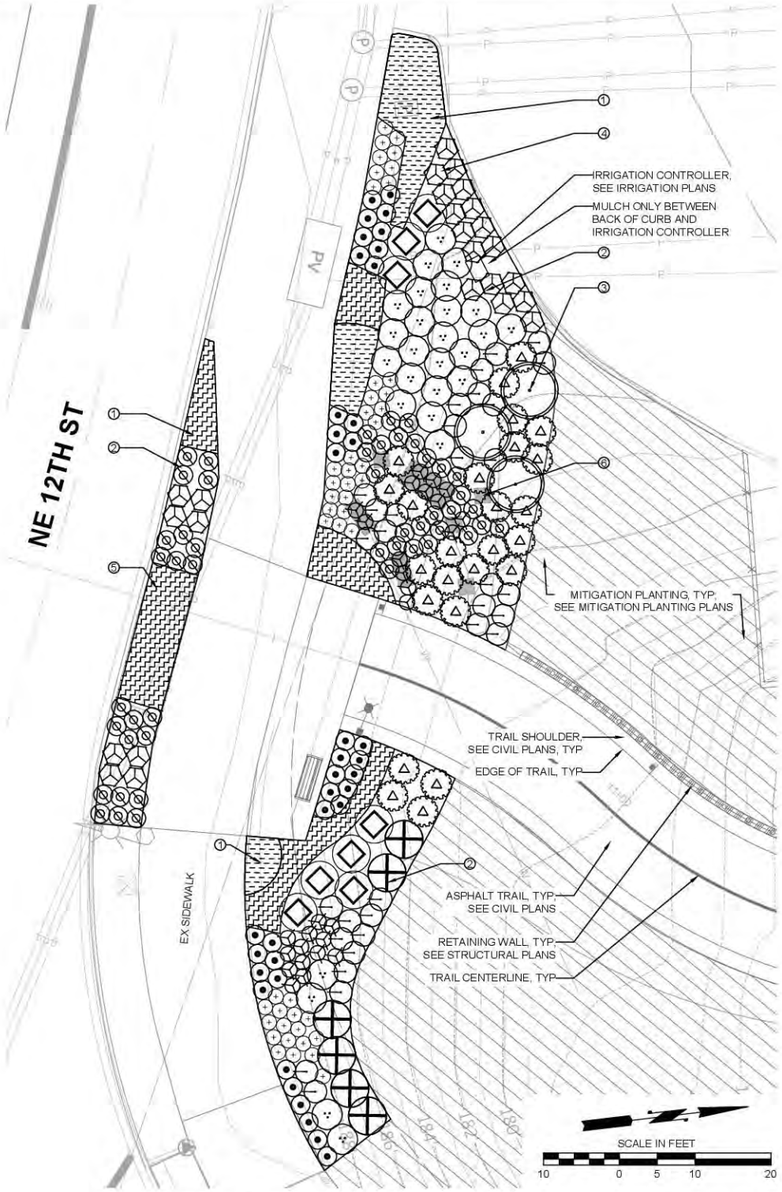
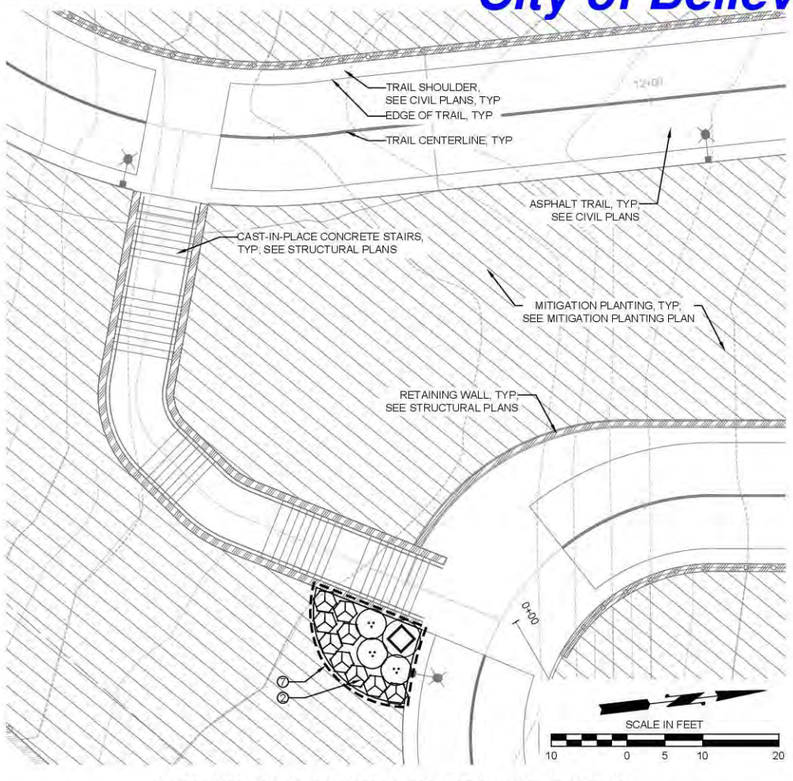


ORNAMENTAL PLANTING PLAN - NE 12TH MIXING ZONE



ORNAMENTAL PLANTING PLAN - STAIR CONNECTION

ORNAMENTAL PLANTING GENERAL NOTES

1. SEE SHEET LA05 FOR ORNAMENTAL PLANTING SCHEDULE.
2. ALL PLANTS SHALL BE OFFSET A MINIMUM OF HALF THE SPECIFIED SPACING FROM CURBS, ASPHALT TRAIL, WALLS AND SIDEWALKS.

CONSTRUCTION NOTES:

1. GROUNDCOVER PLANTING, TYP; SEE COB STD DETAIL PK-IM-04.
2. SHRUB PLANTING, TYP, SEE COB STD DETAIL PK-IM-02A.
3. DECIDUOUS TREE PLANTING, TYP; SEE COB STD DETAIL PK-IM-03A.
4. SOIL PREPARATION FOR ALL ORNAMENTAL PLANTING AREAS AT BACK OF SIDEWALK, TYP.; SEE DETAIL ON SHEET LA05.
5. SOIL PREPARATION FOR PLANTING STRIP BETWEEN CURB AND SIDEWALK; SEE COB STD DETAIL SW-130-1, EXCEPT MULCH SHALL BE 3" DEPTH; CONTRACTOR TO ACCOUNT FOR ADDITIONAL MULCH NEEDED.
6. SOIL PREPARATION OVER ART FOUNDATIONS, TYP; SEE DETAILS ON SHEET LA05.
7. SOIL PREPARATION WITHIN THIS AREA SHALL BE NON-WETLAND RESTORATION AREA SOIL PREPARATION, SEE DETAIL ON SHEET LA03.

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG DESIGNED BY	11/19/2025 DATE
S. ARORA DRAWN BY	11/19/2025 DATE
A. LUOMA CHECKED BY	11/19/2025 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON MERIT OVER 12/09/2025 WA TEMP EXP. 2027 PROFESSIONAL LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ORNAMENTAL PLANTING PLAN

CITY OF BELLEVUE WASHINGTON

Issued 02/12/2026

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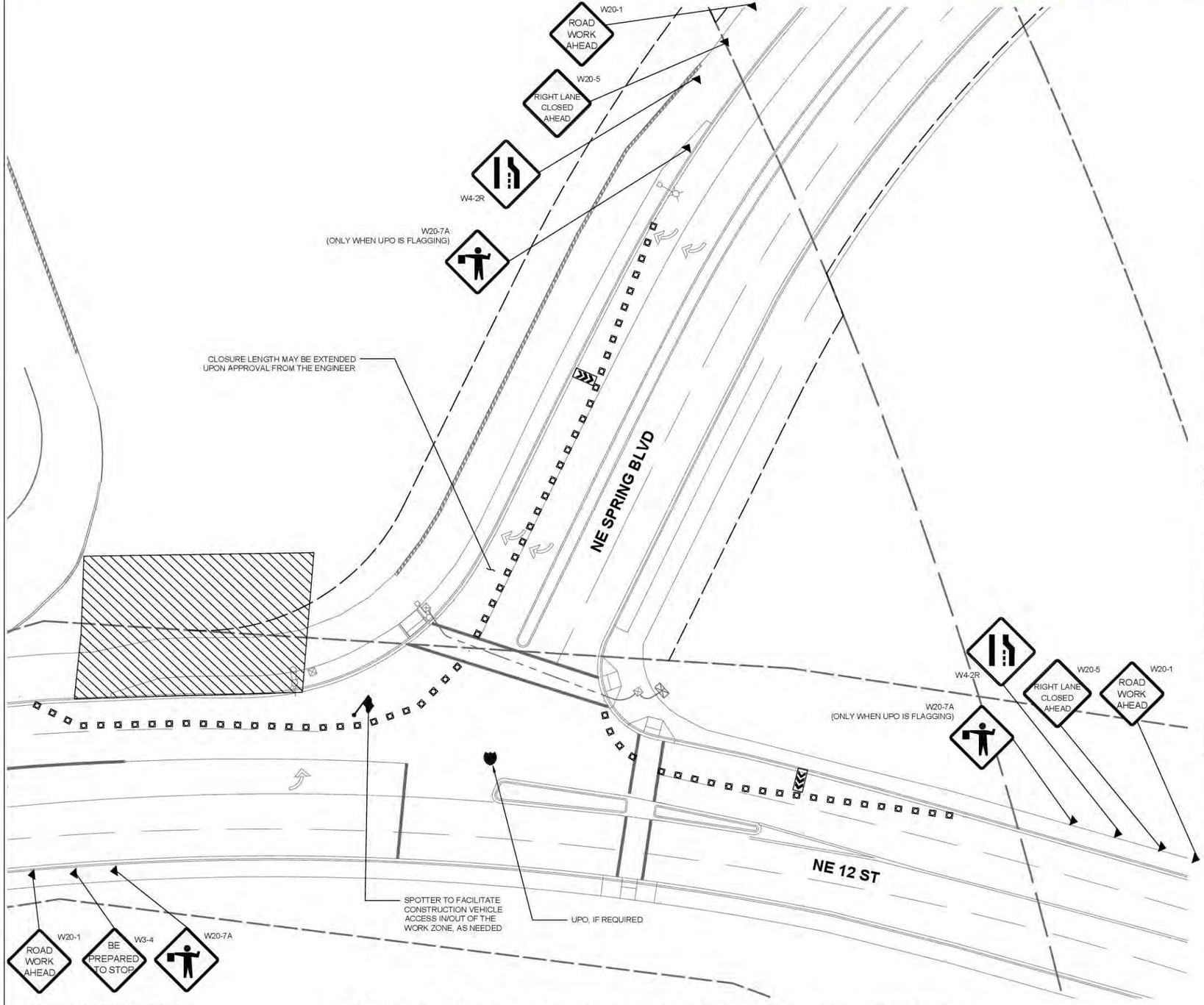

NOT TO SCALE

GENERAL TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN 11 FOOT WIDE MINIMUM TRAVEL LANES DURING CONSTRUCTION EXCEPT DURING FINAL PAVEMENT RESTORATION.
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
3. APPROVED WORK HOURS SHALL BE MONDAY TO FRIDAY 8 AM TO 5 PM.
4. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLAN REFLECTING THEIR WORK ACTIVITIES IF THEY DIFFER FROM THE TRAFFIC CONTROL PLANS SHOWN. REVISED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AT LEAST 21 DAYS PRIOR TO CONSTRUCTION AND SHALL BE APPROVED BY THE CITY.
5. CHANNELIZATION DEVICES SHALL BE DRUMS OR CONES UNLESS OTHERWISE NOTED AND SHALL CONFORM WITH THE CURRENT VERSION OF THE MUTCD.
6. EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES NOT SHOWN TO SCALE.
7. SPACING OF CHANNELIZATION DEVICES SHALL BE PER TAPER/CHANNELIZATION DEVICE TABLE, SEE THIS SHEET. THE EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES MAY BE ADJUSTED BY THE ONSITE TCS AS NEEDED TO FIT THE SITE CONDITIONS.
8. FOR PEDESTRAIN DETOUR DURING ACTIVE CONSTRUCTION, SEE SHEET TCP02. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. AT THE END OF THE WORK SHIFT, ACCESS THROUGH THE WORK ZONE SHALL BE RESTORED.

TAPER / CHANNELIZING DEVICE TABLE

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Taper* (Assumes 10' shoulder)		
	L		½ L		L		½ L		L		½ L		*1/3 L		
MPH	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
25	105	6	55	4	115	7	60	4	125	7	65	4	25	35	3
30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10' shoulder.

SIGN SPACING = X (FEET)		
Urban Arterials	35 MPH	350' +/-
Urban Streets, Residential & Business Districts	25/30	200' +/-
Urban Streets	25 mph or less	*100' +/-

* This spacing may be reduced in urban areas to fit roadway conditions.
All signs are 36" X 36" black on orange unless otherwise specified.

BUFFER DATA						
BUFFER SPACE = B						
SPEED (MPH)	25	30	35	40	45	50
LENGTH (FEET)	155	200	250	305	360	425

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE
- POLICE OFFICER
- FLAGGER
- ARROW BOARD

TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

DAYTIME LANE CLOSURE PLAN (8AM-5PM PERMITTED)

NO.	DATE	BY	APPR.	REVISIONS

GK/KP 08/25 DESIGNED BY DATE
GK 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TRAFFIC CONTROL PLAN

TCP01 SHEET 40 OF 44

Issued 02/12/2026

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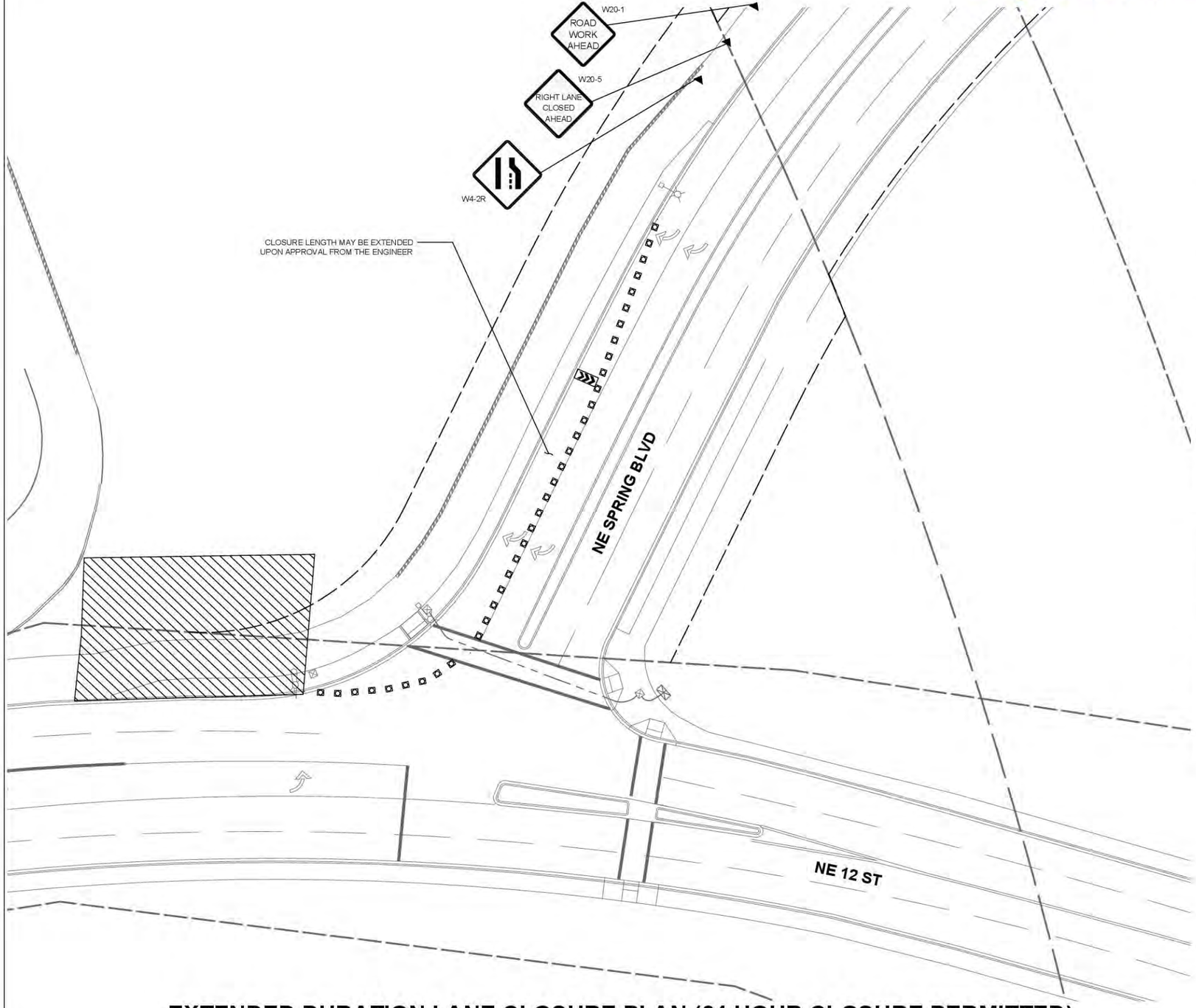

NOT TO SCALE

GENERAL TRAFFIC CONTROL NOTES

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2. TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
3. APPROVED WORK HOURS SHALL BE MONDAY TO FRIDAY 8 AM TO 5 PM.
4. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLAN REFLECTING THEIR WORK ACTIVITIES IF THEY DIFFER FROM THE TRAFFIC CONTROL PLANS SHOWN. REVISED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AT LEAST 21 DAYS PRIOR TO CONSTRUCTION AND SHALL BE APPROVED BY THE CITY.
5. CHANNELIZATION DEVICES SHALL BE DRUMS OR CONES UNLESS OTHERWISE NOTED AND SHALL CONFORM WITH THE CURRENT VERSION OF THE MUTCD.
6. EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES NOT SHOWN TO SCALE.
7. SPACING OF CHANNELIZATION DEVICES SHALL BE PER TAPER/CHANNELIZATION DEVICE TABLE, SEE THIS SHEET. THE EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES MAY BE ADJUSTED BY THE ONSITE TCS AS NEEDED TO FIT THE SITE CONDITIONS.
8. FOR PEDESTRAIN DETOUR DURING ACTIVE CONSTRUCTION, SEE SHEET TCP02. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. AT THE END OF THE WORK SHIFT, ACCESS THROUGH THE WORK ZONE SHALL BE RESTORED.

TAPER / CHANNELIZING DEVICE TABLE

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Taper (Assumes 10' shoulder)		
	L		½ L		L		½ L		L		½ L		*1/3 L		
MPH	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
25	105	6	55	4	115	7	60	4	125	7	65	4	25	35	3
30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10' shoulder.

SIGN SPACING = X (FEET)		
Urban Arterials	35 MPH	350' +/-
Urban Streets, Residential & Business Districts	25/30	200' +/-
Urban Streets	25 mph or less	*100' +/-

* This spacing may be reduced in urban areas to fit roadway conditions.
All signs are 36" X 36" black on orange unless otherwise specified.

BUFFER DATA						
BUFFER SPACE = B						
SPEED (MPH)	25	30	35	40	45	50
LENGTH (FEET)	155	200	250	305	360	425

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE
- POLICE OFFICER
- FLAGGER
- ARROW BOARD

TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

EXTENDED DURATION LANE CLOSURE PLAN (24 HOUR CLOSURE PERMITTED)

NO.	DATE	BY	APPR	REVISIONS

GK/KP 08/25 DESIGNED BY DATE
GK 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TRAFFIC CONTROL PLAN

TCP02 SHEET 41 OF 44

Issued 02/12/2026

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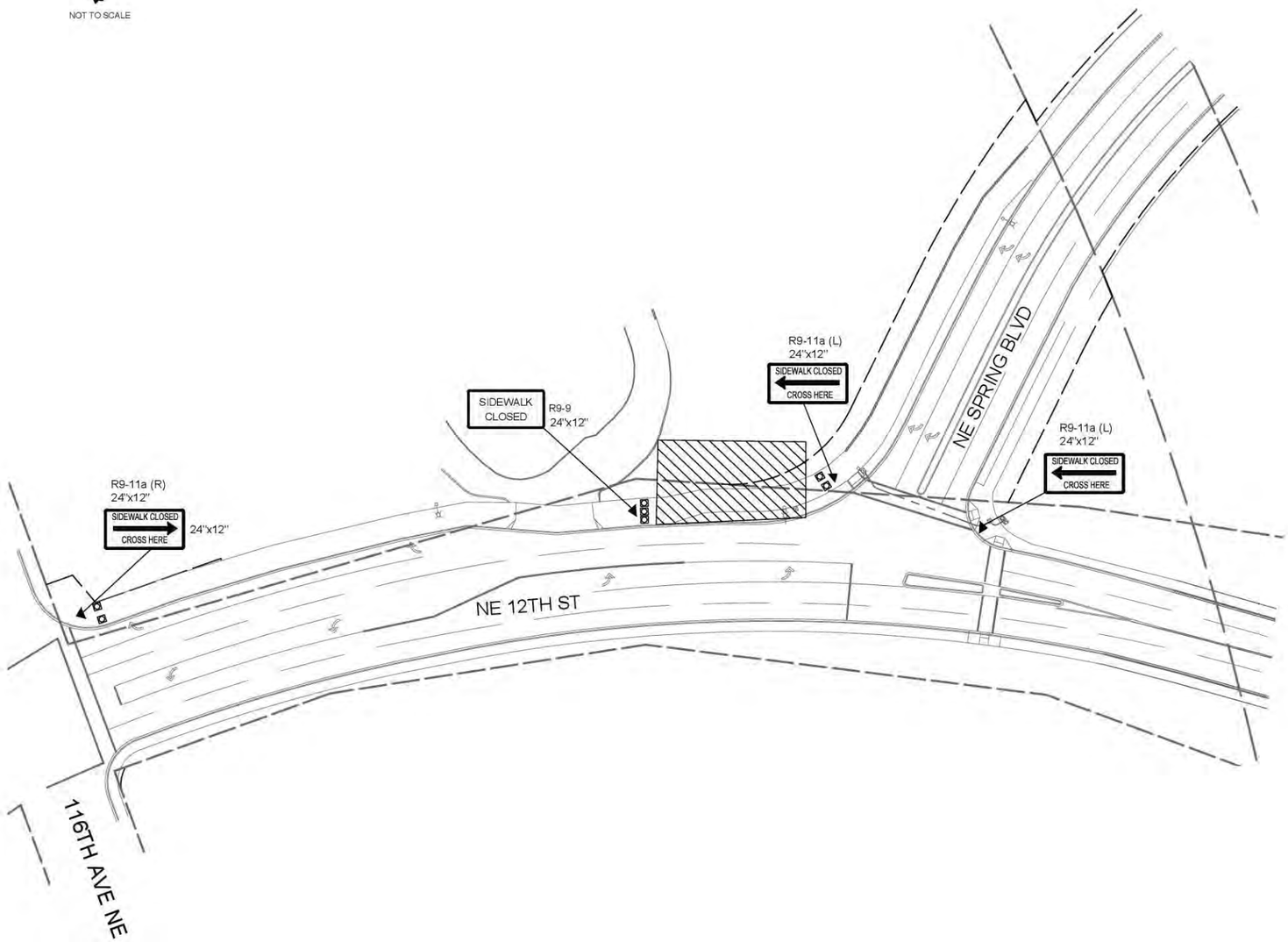
NOT TO SCALE



GENERAL TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN 11 FOOT WIDE MINIMUM TRAVEL LANES DURING CONSTRUCTION EXCEPT DURING FINAL PAVEMENT RESTORATION.
2. TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
3. APPROVED WORK HOURS SHALL BE MONDAY TO FRIDAY 8 AM TO 5 PM.
4. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLAN REFLECTING THEIR WORK ACTIVITIES IF THEY DIFFER FROM THE TRAFFIC CONTROL PLANS SHOWN. REVISED TRAFFIC CONTROL PLAN SHALL BE SUBMITTED AT LEAST 21 DAYS PRIOR TO CONSTRUCTION AND SHALL BE APPROVED BY THE CITY.
5. CHANNELIZATION DEVICES SHALL BE DRUMS OR CONES UNLESS OTHERWISE NOTED AND SHALL CONFORM WITH THE CURRENT VERSION OF THE MUTCD.
6. EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES NOT SHOWN TO SCALE.
7. SPACING OF CHANNELIZATION DEVICES SHALL BE PER TAPER/CHANNELIZATION DEVICE TABLE, SEE THIS SHEET. THE EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES MAY BE ADJUSTED BY THE ONSITE TCS AS NEEDED TO FIT THE SITE CONDITIONS.
8. PEDESTRAIN DETOUR SHALL BE MAINTAINED DURING ACTIVE CONSTRUCTION. SEE SHEET TCP01 FOR WORK ZONE SETUP. PEDESTRIAN ACCESS SHALL BE MAINTAINED AT ALL TIMES. AT THE END OF THE WORK SHIFT, ACCESS THROUGH THE WORK ZONE SHALL BE RESTORED.

TAPER / CHANNELIZING DEVICE TABLE

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder)		
	L		½ L		L		½ L		L		½ L		*1/3 L		
MPH	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	Merging	Devices	Shifting	Devices	MPH	Length (FT)	Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20	25	3
25	105	6	55	4	115	7	60	4	125	7	65	4	25	35	3
30	150	8	75	5	165	9	85	5	180	10	90	5	30	50	3
35	205	8	105	5	225	9	115	5	245	9	125	5	35	70	4
40	270	10	135	6	295	11	150	6	320	12	160	6	40	90	4
45	450	16	225	9	495	18	250	9	540	19	270	10	45	150	6
50	500	14	250	8	550	15	275	8	600	16	300	9	50	170	6

*L for shoulder taper Equals Shoulder Width X Speed. Figures shown are for a 10' shoulder.

SIGN SPACING = X (FEET)		
Urban Arterials	35 MPH	350' +/-
Urban Streets, Residential & Business Districts	25/30	200' +/-
Urban Streets	25 mph or less	*100' +/-

* This spacing may be reduced in urban areas to fit roadway conditions.
All signs are 36" X 36" black on orange unless otherwise specified.

BUFFER DATA						
BUFFER SPACE = B						
SPEED (MPH)	25	30	35	40	45	50
LENGTH (FEET)	155	200	250	305	360	425

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
35/45	30	60
25/30	20	40

TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE

NO.	DATE	BY	APPR	REVISIONS

GK/KP	08/25
DESIGNED BY	DATE
GK	08/25
DRAWN BY	DATE
KP	11/25
CHECKED BY	DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

PEDESTRIAN DETOUR

TCP03 SHEET 42 OF 44

Issued 02/12/2026

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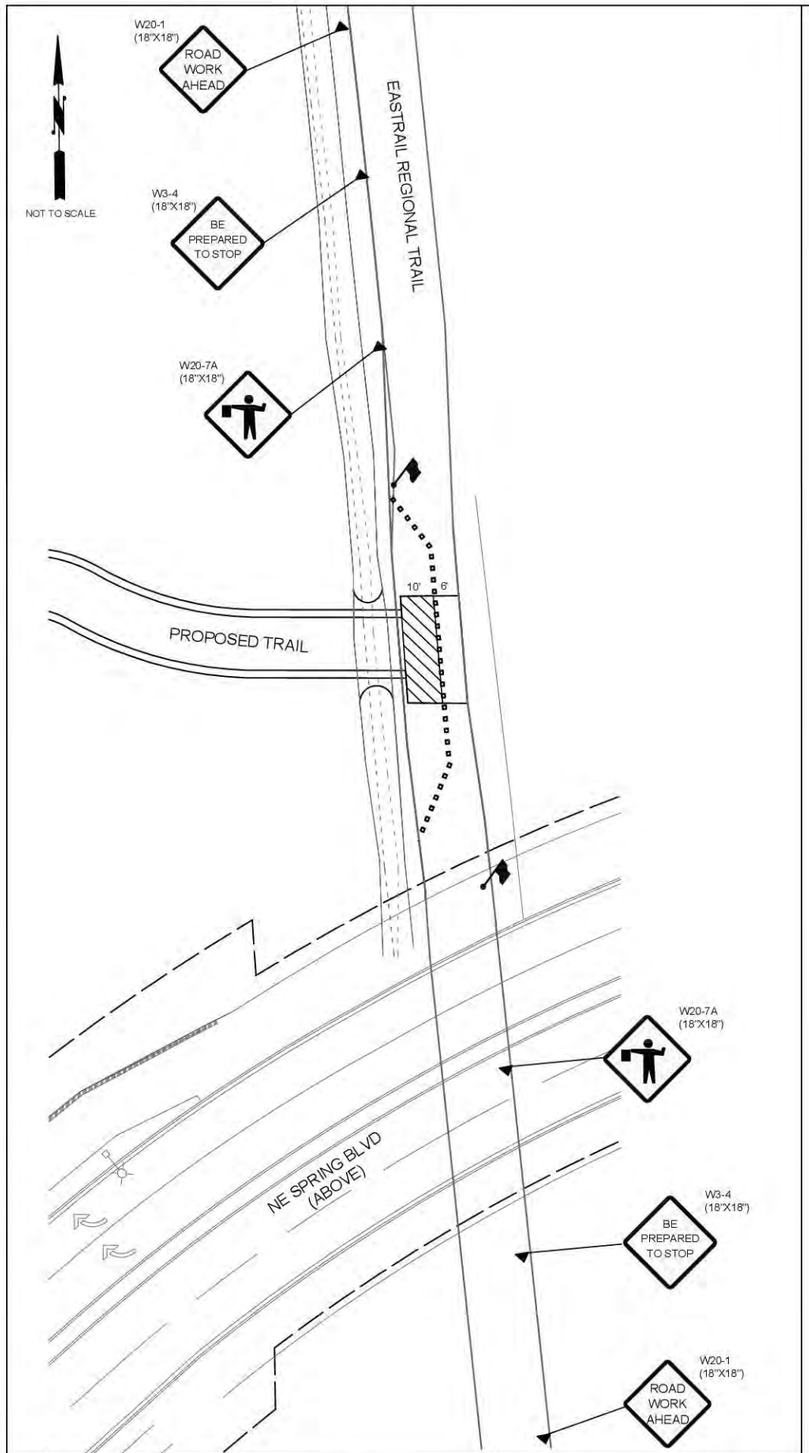

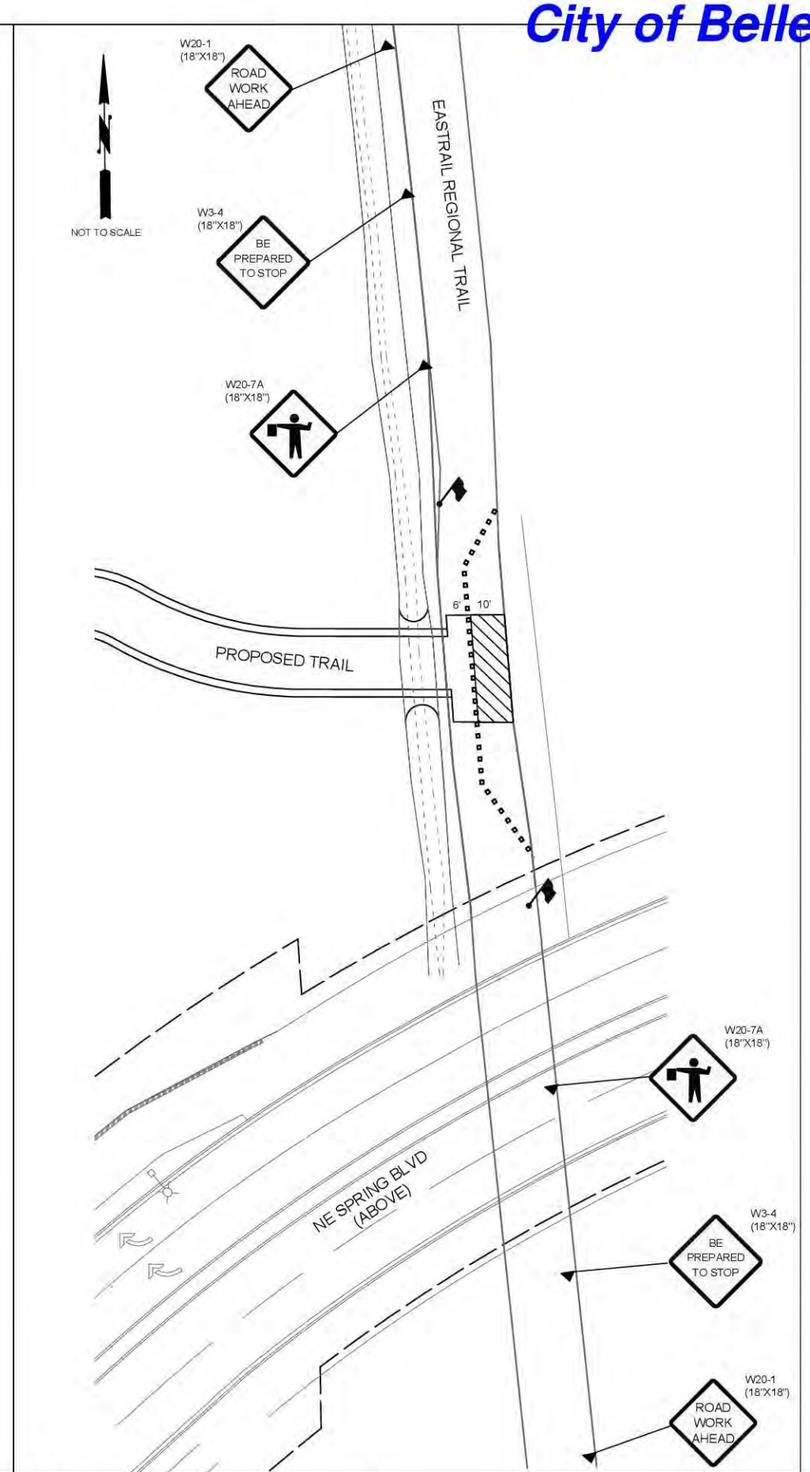

GENERAL TRAFFIC CONTROL NOTES

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7. SPACING OF CHANNELIZATION DEVICES SHALL BE PER TAPER/CHANNELIZATION DEVICE TABLE, SEE THIS SHEET. THE EXACT PLACEMENT OF SIGNS AND CHANNELIZATION DEVICES MAY BE ADJUSTED BY THE ONSITE TCS AS NEEDED TO FIT THE SITE CONDITIONS.
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TAPER / CHANNELIZING DEVICE TABLE

MERGING, SHIFTING & SHOULDER TAPER LENGTHS AND NUMBER OF CHANNELIZATION DEVICES USED

Lane Width	10 Feet				11 Feet				12 Feet				Shoulder Tapers (Assumes 10' shoulder) *L3T
	L		½ L		L		½ L		L		½ L		*L3T
MPH	Minimum	Devices	Minimum	Devices	Minimum	Devices	Minimum	Devices	Minimum	Devices	Minimum	Devices	MPH / Min L / Devices
20	70	5	35	3	75	5	40	3	80	5	40	3	20 / 25 / 3
25	105	6	55	4	115	7	60	4	125	7	65	4	25 / 45 / 4
30	150	9	75	5	165	9	80	5	180	10	90	5	30 / 80 / 5
35	205	11	105	6	225	12	110	6	245	13	120	6	35 / 105 / 6
40	270	14	135	8	295	15	150	8	320	16	160	8	40 / 160 / 8
45	450	23	225	12	495	25	245	12	540	27	270	14	45 / 180 / 9
50	500	25	250	13	550	28	275	14	600	30	300	15	50 / 220 / 11

*L: For shoulder tapers towards shoulder WIDER than 8 feet, figures shown are for a 10' shoulder.

SIGN SPACING - X (FEET)		
Urban Arterials	350	350
Urban Streets, Residential & Business DISTRICTS	250	200
Urban Streets, Other Areas	350	1000

Distance may be increased or decreased by engineering judgment.
All signs are 36" X 36" each, or larger unless otherwise specified.

BUFFER DATA						
BUFFER SPACE = B						
SPEED (MPH)	25	30	35	40	45	50
LENGTH (FEET)	155	200	250	305	360	425

CHANNELIZING DEVICE SPACING (FEET)		
MPH	TAPER	TANGENT
50	40	80
45-45	40	80
25-40	20	40

TRAFFIC CONTROL PLAN PREPARED BY:
KYLE POTUZAK, PE, PTOE
PTOE #3944
EXPIRES 11/18/2027

TRAFFIC CONTROL LEGEND

- CHANNELIZATION DEVICE
- SIGN
- WORK ZONE
- FLAGGER

NO.	DATE	BY	APPR.	REVISIONS

GK/KP 08/25 DESIGNED BY DATE
GK 08/25 DRAWN BY DATE
KP 11/25 CHECKED BY DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

PEDESTRIAN DETOUR

TCP04 SHEET 43 OF 44

Issued 02/12/2026

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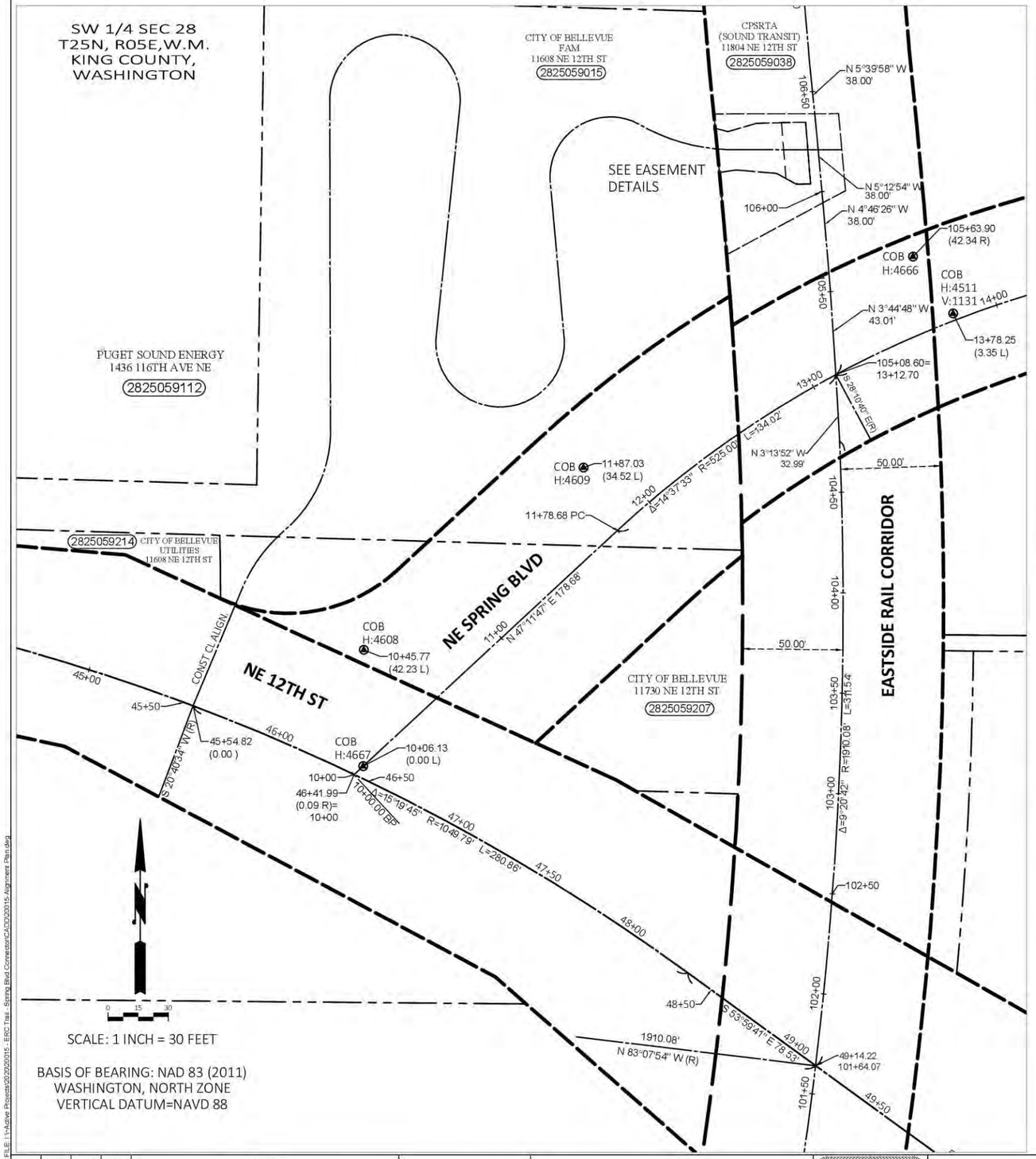
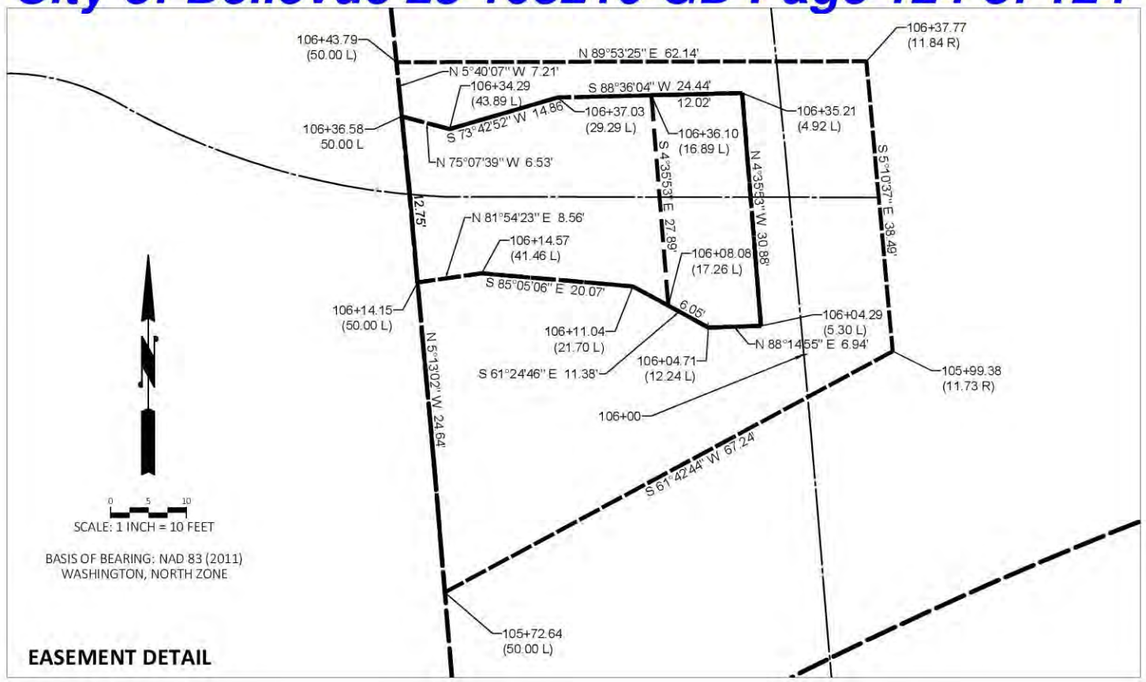




PARCEL NUMBER	FEE TITLE OWNER	ORIGINAL FEE (PER ASSESSOR)	FEE SIMPLE	PERMANENT DRAINAGE ESMT.	PERMANENT TRAIL ESMT.	TEMPORARY CONST. ESMT.	REMAINING FEE
2825089038	CPSRTA (SOUND TRANSIT)	511,742		363	1,117	2,242	511,742
2825089015	CITY OF BELLEVUE-FAM	68,768					68,768
2825089207	CITY OF BELLEVUE	22,790					22,790

LEGEND:

- MONUMENT (SURFACE)
- PROPERTY LINE
- RIGHT OF WAY EXISTING

SURVEY CONTROL:

COB H:4608
PUNCH IN 2" CITY OF BELLEVUE ALUMINUM CAP STAMPED, "H4608"
NORTHING: 499,371.99'
EASTING: 497,875.70'

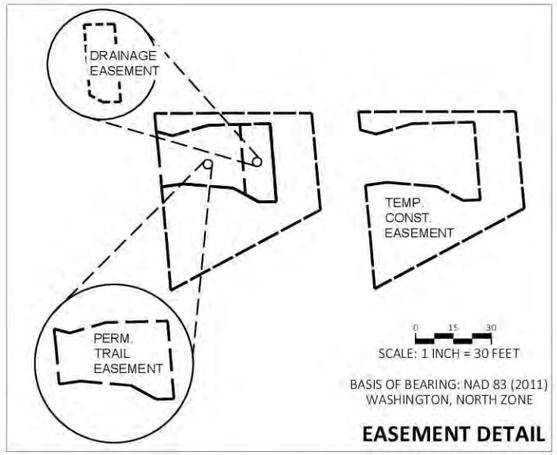
COB H:4609
PUNCH IN 2" CITY OF BELLEVUE ALUMINUM CAP STAMPED, "H4609"
NORTHING: 499,462.63'
EASTING: 497,985.03'

COB H:4511 V:1131
PUNCH IN 2" CITY OF BELLEVUE ALUMINUM CAP STAMPED, "H4511" & "V1131"
NORTHING: 499,539.31'
EASTING: 498,169.09'
ELEVATION: 185.22'

COB H:4666
PUNCH IN 3" CITY OF BELLEVUE ALUMINUM CAP
NORTHING: 499567.61'
EASTING: 498149.09'

COB H:4667
PUNCH IN 3" CITY OF BELLEVUE ALUMINUM CAP IN CASE DN 0.32'
NORTHING: 499314.07'
EASTING: 497875.31'

COB V:1030
TOP OF NORTHWEST BOLT IN LIGHT/SIGNAL POLE BASE STAMPED "V1030". SOUTHEAST QUADRANT OF 116TH AVE NE & NE 12TH ST.
ELEVATION: 189.26



NO.	DATE	BY	APPR.	REVISIONS

DJDAVIDSON 12/05/2025 DRAWN BY DATE
DEV 12/05/2025 CHECKED BY DATE

Land Survey Division
Finance & Asset Management

DOUGLAS J. DAVIDSON STATE OF WASHINGTON 24011072 REGISTERED PROFESSIONAL LAND SURVEYOR

EASTRAIL TO NE SPRING BLVD TRAIL LINK

RIGHT-OF-WAY PLAN

PROJECT: 20015 SHEET 1 OF 1

Issued 02/12/2026

SAVE DATE: 12/4/2025 DRAWING FILE: I:\Active Projects\2020\20015 - ERC Trail - Spring Blvd Connector\CAD\20015-Alignment Plan.dwg

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City of Bellevue

Development Services • 450 110th Ave NE • Bellevue 98004

Permit and Inspection Record

Job Address: 11608 NE 12th St **Permit Number: 23 103216 UE**

Issued: 05/09/2025 **Expires: 05/09/2027**

Type: Utility Extensions
Occupancy Type: Nonresidential
Property Owner: BELLEVUE CITY OF
Applicant: Chris Masek
Project Name: Eastrail to NE Spring Blvd Trail Link
Phone: **(425) 452-4619**
Description: Currently, there is no formal connection between the Eastrail Trail and NE 12th Street. The project would provide a new 14-foot-wide paved trail that will meet Americans with Disabilities Act (ADA) standards. The total length of the proposed trail is approximately 850 feet. Improvements would include landscaping, irrigation, urban design, illumination, wetland mitigation, public art, wayfinding signage, site furnishings, and a retaining wall with railings.
Construction Lender: NONE
Phone:
Customer Survey? **No**

Post this permit in a visible and accessible location at the job site and have the approved plans available for the inspector.

Inspection Scheduling Information

To schedule or cancel inspections by phone, call **425-452-6875**
or go to **MyBuildingPermit.com**

To get an estimated inspection time after the inspection is scheduled, call the appropriate number below.
*** **Do not call the following number(s) to schedule inspections** ***

(425) 452-4570:	**Building, Mechanical, Electrical, Plumbing, Clearing & Grading Inspections** - Call between 7 and 8 a.m. the morning of the inspection.
(425) 452-4254:	**Fire Department** - If a specific time is needed, please call at least one day in advance.
(425) 452-4188:	**Land Use Inspections** - After you schedule your inspection, a Planner will call to schedule an inspection time.
(425) 452-6966:	**Transportation Inspections** - Call between 7:30 and 8:30 a.m. the morning of the inspection.
(425) 452-6977:	**Utility Inspections**- After you schedule your inspection, a Utilities representative will call to set up an appointment time.

Permit Expiration
This permit will expire if -

- Work is not started by
- Work ceases for 180 days or more
- Final inspection(s) approval is not obtained by 05/09/2027

There is limited ability to extend the expiration date.
Call 425-452-4570 if you have questions about permit expiration.

Occupancy

- You can not legally occupy the space until all final inspections are approved OR a Certificate of Occupancy is issued.
- The Certificate of Occupancy is required for all BB permits, and some BM and BY depending on the scope of work.
- Consult your inspector if you have questions about the occupancy requirements.

You are responsible for obtaining all the required inspections.

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MBP Inspection Scheduling

City of Bellevue Inspection Record

DS Inspection Survey

Job Address: 11608 NE 12th St

Permit Number: 23 103216 UE

Related Job #: 23 103211 LO Tenant: Floor: Suite:

Contractors:

OWNER License: Phone:

Construction Contact: City of Bellevue Transportation Karen Chi Phone: (425) 452-5361

For each discipline, schedule inspections in order (read Left --> to --> Right, Top --> to --> Bottom).
Your project may not need all the listed inspections; ask your inspector.
All inspections must be approved or marked N/A by an inspector prior to requesting the final inspection.

Required Inspection	Inspector	Signoff Date	Required Inspection	Inspector	Signoff Date

All permits and inspection disciplines associated with a building permit - including electrical, mechanical, plumbing, fire suppression, clearing & grading, right of way use, utilities, and any required land use surveys - must have final inspection approval before you schedule the final inspection on the building permit.

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City of Bellevue

Development Services

Utilities Permit Cover Sheet

VERY IMPORTANT

A PRINTED COPY OF ALL APPROVED DOCUMENTS MUST REMAIN ON THE JOB SITE AND BE AVAILABLE AT ALL TIMES FOR INSPECTORS.

FIRE	UTILITIES
REVIEW NOT REQUIRED	**CITY OF BELLEVUE** **UTILITIES** **DEPARTMENT** **ENGINEERING DIVISION** **APPROVED** **Approved Date: 12/05/2024** **Approved By: Roy Andresen** **randresen@bellevuewa.gov** **(425)452-5206** Your Utility Developer Extension Agreement 23-103216 UE is approved and ready to issue. If you are ready to start construction, please call 425-452-6875 or go to MyBuildingPermit.com to request an appointment for the pre-construction conference. Use inspection code 643 when making your request. You should anticipate that the meeting date for pre-construction conference will be at least a week out in order to get on the inspector's calendar. A Utilities representative will call you back after receiving your pre-construction conference request with some available meeting times. The approved plans will be distributed at the pre-construction conference. If the extension agreement was reviewed through the paperless process, please bring two hardcopies of the approved plan set for the inspector to the pre-construction conference. The foreman and the superintendent who will be completing the utility work must attend the pre-construction conference. We also recommend that a representative of the owner and the general contractor attend the meeting.

PERMIT NUMBER: 23-103216 UE

PROJECT NAME: Eastrail to NE Spring Blvd Trail Link

SITE ADDRESS: 11608 NE 12th St

Check Permit Status

https://PermitSearch.MyBuildingPermit.com

Share your feedback!

On your plan review experience:
https://bellevuewa.gov/IssuedSurvey

On your inspection experience:
https://bellevuewa.gov/InspectionSurvey

Request an Inspection

By phone: (425) 452-6875

On line: https://Inspection.MyBuildingPermit.com

Issued 05/09/2025

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City of Bellevue
Utilities Department
P.O. Box 90012
Bellevue, WA 98009-9012

UTILITY DEVELOPER EXTENSION AGREEMENT

Project Name: Eastrail to NE Spring Blvd Trail Link

Folder Number: 23-103216 UE

Start Date: January 2024

Application Fee - Required at Submittal

To avoid unnecessary charges, request assistance of Utilities Department representative in the Permit Center to determine which Utilities require this Developer Extension Agreement.

Sub-Types

☒ **Storm Drainage**
*Not applicable if project is outside Bellevue City limits; **or**, work is minor enough to be covered under a Storm Drainage Connection permit, as determined by a Utilities Department representative.*

☐ **Sanitary Sewer**
*Not applicable if project is outside Bellevue's sewer service area; **or**, work is minor enough to be covered under a Side Sewer permit, as determined by a Utilities Department representative.*

☐ **Water**
*Not applicable if project is outside Bellevue's water service area; **or**, work is minor enough to be covered by a City installed, or contractor installed, water service application, as determined by a Utilities Department representative.*

May 2009

Issued 05/09/2025

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TABLE OF CONTENTS

I. INTRODUCTION 1

II. CHECK LIST 2
- Part A. Submittal 2
- Part B. Design Review 2
- Part C. Preconstruction Requirements 3
- Part D. Construction 4
- Part E. Preacceptance 4
- Part F. Acceptance & Warranty 5

III. APPLICANT INFORMATION 6

IV. THE UTILITY DEVELOPER EXTENSION AGREEMENT 7
- Responsibilities 7
- Definitions 7
- Warranty of Authority 8
- Location of the Utility Extensions 9
- Description of Utility Extensions 10
- Fees to be Paid by the Developer 10
- Preliminary Design Review 11
- Omissions and Discrepancies 12
- Insurance Requirements 12
- Hold Harmless 13
- Risk of Loss 13
- Easements 13
- Surveys 14
- Permits 14
- Surety Instrument 14
- Procedure for Acceptance 14
- Phased Construction 15
- Time Limitation of Application 15
- Time Limitation of Issued Approval 16
- Materials and Equipment 16
- Warranties of the Developer 16
- Correction of Defects During the Warranty Period 17
- Rates and Charges 17
- Royalties and Patents 17
- Subletting or Subcontracting 18
- Latecomer's Agreement 18
- General Conditions 18
- Utilities Engineering Standards 18
- Notice of Completeness 18
- Signatures 19

V. GENERAL CONDITIONS FOR CONSTRUCTION 20
- Authority of Utility 20
- Determination of "OR Equal" 20
- Compliance with Laws 20
- Stoppage of Work 20

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Points, Instructions and Construction Staking by the Developer 20
Inspections and Tests 21
Availability of Project Documents 23
Materials and Equipment List 24
Shop Drawings 24
Samples 24
Protection of Work and Property 24
Safety Requirements 24
Use of Private Property 25
Location of Underground Utilities 25
Replacing Improvements 25
Superintendents and Supervision 25
Operation of Existing Water Valves 26
Domestic Water Meters 26
Flushing of New Water Mains 26
Disposal of Flush Water 26
Video Inspection 26
Side Sewer Permits 26
Final Sequence for Commercial Projects 27

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I. INTRODUCTION

The Utility Developer Extension (UE) Agreement is intended to cover the Code requirements for Water, Sanitary Sewer and Storm Drainage Developer Extension Agreements (BCC 24.02.120 C,24.04.120 C and 24.06.120 C). Design review and inspection is performed under this agreement and is similar to a permit process. The process can be broken down into the following parts:

Part A. Submittal - Use Submittal Requirements handout (Bingo chart) to ensure the submittal is complete. Incomplete submittals will not be accepted.

To facilitate review and approval, use the Utilities Engineering Standards to guide your design and plan format.

Part B. Design review - This includes review of the proposed utility plans, engineering only, including revisions cycles. Number of revision cycles varies between projects. Conceptual review occurs usually under previous permit/approval applications, such as Preliminary Plat or Design Review.

The minimum time line from UE application to Utility construction is about two months. Average is about 7 months, with a maximum of about 14 months. These statistics include the Developers time to respond to requests for revisions, documents and fees. An average project typically has three revision cycles.

Part C. Preconstruction - When the review is complete, the Developer will be prompted by letter to submit items required before a preconstruction meeting can be scheduled with a utility inspector. These items are generalized in the following checklist. Utility approval for release of the Clearing & Grading and other permits occurs at this time.

Part D. Construction - Approval to begin work is given by the utility inspector following the preconstruction conference.

Part E. Preacceptance - The project is complete in the field. All outstanding fees, easements, bills of sale, etc. must be submitted prior to acceptance. For subdivisions, water meter and side sewer permit applications may not be submitted until acceptance. For commercial and multi-family projects, meters remain locked until acceptance and buildings cannot be occupied. Irrigation meters may be set and activated with a successful backflow device test.

Part F. Acceptance and Warranty - The acceptance date is the beginning of the one-year warranty period. Any deficiencies found during the year-end inspection must be repaired by the developer before maintenance bonds are released. If no deficiencies are found, the maintenance bonds can automatically expire.

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II. UTILITY DEVELOPER EXTENSION AGREEMENT CHECK LIST

This section itemizes required items as well as the Utility's process for administration of this Agreement. Some items may not apply to every project.

Part A.	**Submittal**	
Item #	Description of Item	Date
A - 1.	Submittal Requirements for Utilities Developer Extension Agreement. (A.K.A. "BINGO" chart)	
A - 2.	Submittal is complete; Official Start Date:	
A - 3.	Application Expiration Date (one year)	
A - 4.	Application extended 180 days, if applicable. Fee paid. New Expiration Date _____	

Part B.	**Design Review**	
Item #	Description of Item	Date
B - 1.	Preliminary utilities design routed for review	
B - 2.	Utilities Department design review meeting	
B - 3.	1st set redlined utilities plans/report & review comments to developers contact person (cc: DS Project Manager)	
B - 4.	1st set revised plans/report received	
B - 5.	2nd set redlined utilities plans/report & review comments to developers contact person (cc: DS Project Manager)	
B - 6.	2nd set revised plans/report received	
B - 7.	3rd set redlined utilities plans/report & review comments to developers contact person (cc: DS Project Manager)	
B - 8.	3rd set revised plans/report received (Record any further revision cycles)	
B - 9.	Preconstruction letter sent to developer	
B - 10.	Final sewer design routed to King Co./METRO for required approvals	
B - 11.	Final plan routed to Development Review Manager, for final check.	
B - 12.	Revised utilities design final.	

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Part C.	Preconstruction Requirements	
Item #	Description of Item	Date
C - 1.	_____ copies of the utilities plan set received.	
C - 2.	Final Plans routed interdepartmentally.	
C – 3.	Official Approved Plan set filed in fire box and reference card(s) made.	
C – 4.	Required Federal, State, County, and other regulatory approvals received. (ie: HPA, METRO permit, KC Right-of-Way permit)	
C – 5.	Approval of Utility contractor by Utilities Department. Proof of current WA State Contractors license and Bellevue B&O license required.	
C – 6.	Construction surety device received: Performance Bond, Assignment of Savings, Irrevocable Letter of Credit, or Security Agreement	
C – 7.	Original Certificate of Developer's Insurance received and approved.	
C – 8.	Easements: off-site and on-site received. (On-site easements may be delayed until project completion, but are required prior to acceptance.)	
C – 9.	Bills of Sale received. (May be delayed until project completion, but are required prior to acceptance.)	
C – 10.	Right-of-Way permit issued, if project includes utility installations in public rights-of-way.	
C – 11.	Other permit applications (ie: UD for detention vault , FB for fire sprinkler system) submitted for review.	
C – 12.	Clearing & Grading permit #_____ signed off. Building Permit #_____ signed off. Others?	
C – 13.	Outstanding invoices are paid.	
C – 14.	Connection charges paid.	
C – 15.	Latecomer Agreement requested by developer, if applicable. Benefitted properties are identified and preliminary notification sent.	
C – 16.	Water meter applications & fees submitted. (commercial projects only) (May be delayed until project completion). CRC forms completed by staff.	

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C – 17.	Side sewer permit applications, King County Capacity Charge forms & fees submitted. (Required for commercial/multi-family permits at this time.) CRC forms completed by staff.	
C – 18.	Storm drainage permit application & fees submitted, if required for project.	
C – 19.	Draft Storm Drainage System Operations and Maintenance Schedule submitted for review.	
C – 20	Approval of Landscape/Irrigation budget, if required.	
C – 21.	Plans signed & dated, approved for construction.	
C – 22.	Construction packet prepared for Inspection, copy to file.	
C – 23.	Developers contact person notified to call Inspection to schedule preconstruction meeting, with a week notice.	
C – 24.	UE is ISSUED. Expiration Date _____	
C – 25.	UE Expiration extended one year, if applicable. Fee paid. New Expiration Date _____	

Part D.	**Construction**	
Item #	Description of Item	Date
D – 1	Preconstruction Conference for utilities; notice to proceed with construction.	
D – 2	Survey cut sheets submitted for sewer and storm drain systems.	

Part E.	**Preacceptance**	
Item #	Description of Item	Date
E - 1.	Memo of Completion received from Inspection	
E - 2.	Complete Blanket Availability Certificates for single family lots, to assist with building permit review.	
E - 3.	Check for outstanding invoices.	
E – 4.	Easements received or retrieved from file. Legal descriptions and King County recording format verified.	
E – 5.	Easements routed to Admin for City signatures and recording at King County.	

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E – 6.	Itemized costs for Latecomer Agreement, if applicable, and mailing list for notification to benefitted properties, submitted by developer. Latecomer is completed by staff and signed by developer.	
E – 7.	Preacceptance letter mailed to developer	
E – 8.	Outstanding fees paid.	
E – 9.	Certificate of Construction Costs received.	
E – 10.	Bills of Sale received.	
E - 11.	Maintenance bonds received. (May be submitted following acceptance if construction bond amounts exceed maintenance bond amounts and remain in effect until maintenance bonds are submitted.)	
E – 12.	Storm drainage O & M schedule received, approved, signed and recorded by developer	

Part F.	**Acceptance & Start of Warranty**	
Item #	Description of Item	Date
F - 1.	Acceptance Letter mailed to developer.	
F - 2.	Meters unlocked and occupancy approved.	
F - 3.	Copies of Memo of Completion and Certification of Construction Cost sent to Business Admin. Meter & Exterior DCVA forms are submitted to Business Admin by Inspector.	
F - 4.	Latecomer routed for City signatures, notification letters sent to benefitted property owners, then sent to King County for recording.	
F - 5.	File removed and prepared for archive.	

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III. APPLICANT INFORMATION

Project Description: Construction New Multiuse Trail between Eastrail and Spring Blvd

Site Address: NE 12 St and Spring Blvd

King County Tax Assessors number(s): _____

Property Owner Name(s): City of Bellevue

Applicant (Developer): City of Bellevue Transportation Department
Contact Person: Karen Chi

Email address: kchi@bellevuewa.gov

Address: PO Box 90012

Bellevue, WA 98009-9012

Phone: (425) 452 - 5361 FAX: (425) 452 - 2874

Engineer: City of Bellevue Transportation Department
Contact Person: Karen Chi

Email address: kchi@bellevuewa.gov

Address: PO Box 90012

Bellevue, WA 98009-9012

Phone: (425) 452 - 5361 FAX: (425) 452 - 2874

Party to be billed, if different from Developer: _____

Address: _____

_____

Phone: ( )_____-_____ FAX: ( )_____-

Anticipated utility construction start date: August 2022

IV. THE UTILITY DEVELOPER EXTENSION AGREEMENT

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This Agreement, dated this 6th day of May, 2025, is between the City of Bellevue, a municipal corporation of the State of Washington, hereinafter referred to as the City, and City of Bellevue Transportation Dept. hereinafter referred to as the Developer. Whereas, the Developer has made application to the City for permission to construct Water, Sanitary sewer and/or Storm Drainage improvements; now, therefore, in consideration of the mutual promises and covenants herein contained, to be kept, performed, and fulfilled by the parties hereto, it is agreed as follows:

1. Responsibilities

The Developer shall perform all work necessary to accomplish the proposed utility extensions including, but not limited to, design, specifications, permitting and construction. All work shall be performed by qualified personnel. The work shall be in accordance with this Agreement, Utilities Engineering Standards, Bellevue City Codes, ordinances and regulations, applicable requirements of other governmental agencies and good engineering principles.

The City will review and inspect work performed by the Developer to assure that the work meets the purpose for which it is intended and is in compliance with all requirements and conditions contained herein. Such review and approval will not relieve the Developer from complying with all said conditions and requirements.

2. Definitions

The following terms when used in this Agreement shall have the meanings indicated:

A. "Agreement": This Utility Developer Extension Agreement (UE) between the City and the Developer.

B. "City": The City of Bellevue, Washington, or the area within the City limits.

C. "Utility": The Utilities Department as defined in the Bellevue City Code and authorized to administer and enforce this Agreement.

D. "Utilities System(s)": The entire system within the Utilities Department service areas, described as follows:

1. For sewer, this includes the City of Bellevue, the City of Medina, the City of Clyde Hill, Towns of Hunts Point and Yarrow Point, the Village of Beaux Arts, parts of King County and areas in other sewer districts or cities served by interlocal agreement.

2. For storm drainage, this includes both public and private facilities, naturally existing and artificial, for the drainage, conveyance, runoff control and water quality treatment of storm and surface waters, within the Bellevue City limits.

3. For water, this includes the City of Bellevue, the City of Medina, the City of Clyde Hill, the Towns of Hunts Point and Yarrow Point, parts of King County and areas in other water districts or cities served by interlocal agreement.

E. "Plans and Specifications": The official City-approved drawings or reproduction of drawings made, or to be made, pertaining to work provided for in the Agreement and the

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prescribed directions, requirements, explanations, terms, and provisions pertaining to the work to be done.

F. "Or Equal": Any article, material, method or work which, in the opinion of the Utility, is equally suitable for the purpose intended as compared with similar articles specifically mentioned in the Agreement, Utilities Engineering Standards or in the plans and specifications prepared under this Agreement.

G. "Points": All survey marks, benchmarks, reference points, stakes, hubs, etc., established for maintaining horizontal and vertical control of the work.

H. "Extension": The utility system being extended to serve the project and satisfy the Utility Code requirements for the property.

I. "Utilities Engineering Standards": The technical standards which include the minimum requirements for the design and construction of water, storm and surface water drainage and sanitary sewer facilities within the City of Bellevue Utilities Department service area.

3. Warranty of Authority

The Developer, along with any additional owners as designated on the signature page, warrant that they are the owners of all the real property described in this Agreement, and shall provide a title report or other legal document, to the Utility establishing said ownership.

The Developer may act as agent for the property owner, provided that Agency Status is legally established.

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4. Location of the Utility Extensions.

THE LEGAL DESCRIPTION OF THE PROPERTY IS AS FOLLOWS:

Issued 05/09/2025

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5. Description of Utility Extensions.

The proposed utility extensions will consist of all required storm drainage improvements; water mainline and appurtenances; and/or sewer mainline and appurtenances required for the proposal, which fall under the Utility's jurisdiction. The utility extensions shall be installed in accordance with this Agreement, the Utility Engineering Standards and the plans and specifications approved by the Utility, at the sole cost and expense of the Developer as hereinafter provided.

6. Fees to be Paid by the Developer

Fees shall be paid by the Developer for services provided by the Utility, as indicated below:

A. Design Review Services

1. Consultation with the Developer regarding the requirements of the City for construction of the utility extensions.

2. Administration of this Agreement by the City.

3. Assistance with preliminary layout of the proposed utility extensions, as needed.

4. Review and approval of plans, specifications, and necessary documents.

5. Consultation with other agencies (i.e. other City departments, other governmental agencies) regarding plans and specifications, as necessary.

6. Submittal of plans and specifications to other agencies (i.e. other City departments, other governmental agencies) for required approvals, as necessary.

7. Final review of the required documents to assure that the City has legal title to necessary right-of-way and easements, review and approval of the Bill of Sale provided by the Developer, and acceptance of the utility extensions by the City.

8. The Design Engineer shall be responsible for the design of all on-site private drainage facilities for commercial and multi-family drainage facilities and assure they are designed in compliance with good engineering practice and meet or exceed the intent of the drainage code. The City's review for commercial and multi-family on-site private drainage facilities, except for runoff control and water quality facilities, will be for functionality only. The City will assure drainage is collected and discharged to the appropriate facilities and that connections to public systems or conveyance facilities are consistent with the Utility's Engineering Standards.

The deposit for Design Review and Inspection, specified in the current fee schedule, is hereby submitted with this Agreement. Design Review services shall be charged to the project at the current hourly rate, as established by the City. The Developer agrees to pay outstanding Design Review fees prior to the City accepting the utility extensions.

B. Construction Inspection Services

Issued 05/09/2025

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1. The Preconstruction Conference.

2. Daily inspection of the construction in progress, as needed to ensure that construction of the utility extensions are in accordance with this Agreement, the Plans and Specifications, the Utilities Engineering Standards and any other City requirements.

3. Inspection of required pressure tests, any retesting which may be necessary, and sampling of the completed extension after flushing for submittal to the Washington State Department of Health and Social Services, or a certified testing laboratory for bacteriological examination.

4. Inspection of required pressure tests, after flushing, and any retesting of sewer system improvement which may be necessary.

5. Approval of the sewer video taping schedule, supervision of video taping and revisions/approval of the competed tape and log sheets.

6. Final inspection of the completed extension and preparation of the inspection report, which shall set forth any deficiencies that may exist.

7. Reinspection of any deficient work.

8. Review of the storm drainage, water and sewer as-built construction drawings.

9. Reinspection at the end of the one-year warranty period.

10. For commercial and multi-family on-site private drainage facilities, except for runoff control and water quality facilities, the Developer's Engineer shall be responsible for inspection of the work. The City inspector will inspect connections to the public systems or conveyance systems. Prior to final acceptance by the City and approval for occupancy, the Developer's Engineer shall sign a compliance letter noting that in the Developer's Engineer's professional opinion, the on-site private drainage facilities were installed as shown on the approved plan and are operational. The Developer's Engineer shall provide as-built drawings, stamped by the Developer's Engineer, of the installed facilities.

11. Labor charges for water main shut-downs will be billed to the Developer.

Construction Inspection services shall be charged to the project at the current hourly rate, as established by the City, including the established overtime rate, for time outside regular business hours. The Developer agrees to pay outstanding Construction Inspection fees prior to the City accepting the utility extensions.

7. Preliminary Design Review

Issued 05/09/2025

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The Developer shall refer to the "Submittal Requirements for Utility Developer Extensions" for submittal requirements. Incomplete submittals will not be processed. Plans must comply with the Utility Engineering Standards.

8. Omissions and Discrepancies

The Developer shall carefully study and compare all plans and specifications and other documents and shall, prior to ordering materials or performing work, report in writing to the Utility any error, inconsistency, or omission in respect to the plans and specifications, mode of construction, or costs which it discovers. If the Developer, in the course of this study or in the accomplishment of the work, finds any discrepancy between the plans and specifications and the physical condition of the locality as represented in the plans and specifications, it shall be his duty to inform the Utility immediately in writing, and the Developer shall promptly investigate. Any work performed after such discovery will be done at the Developer's risk and responsibility for cost.

9. Insurance Requirements

The Developer shall procure and maintain for the duration of this Agreement, insurance against claims for injuries to persons or damages to property which may arise from, or in connection with, the performance of the work hereunder proposed by the Developer, his agents, representatives, employees, and subcontractors. The cost of said insurance shall be paid by the Developer. Insurance shall meet or exceed the following unless otherwise approved by the City. Questions regarding insurance requirements can be discussed with the City's Risk Management Office, (425) 452-2011.

A. Minimum Insurance

1. Commercial General Liability coverage with limits not less than $1,000,000 per occurrence / $2,000,000 annual aggregate.

2. Stop Gap/Employers Liability coverage with limits not less than $1,000,000 per accident/disease.

3. Business Automobile Liability coverage with limits not less than $1,000,000 per accident for any auto.

4. Worker's Compensation coverage as required by the Industrial Insurance Laws of the State of Washington.

5. Consultant's Errors & Omissions or Professional Liability with limits not less than $1,000,000 per claim and as an annual aggregate, for all professional activities performed under this agreement.

B. Self-Insured Retention

Self-insured retention must be declared to and approved by the City.

C. Other Provisions

Commercial General Liability policies shall be endorsed to:

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1. Include the City, it's officials, employees and volunteers as additional insureds,
2. Provide that such insurance shall be primary as respects any insurance or self-insurance maintained by the City.
3. Each insurance policy shall provide that coverage shall not be canceled except after thirty (30) days' written notice has been given to the City.

D. Acceptability of Insurers

Insurance shall be placed with insurers with a rating acceptable to the City.

E. Verification of Coverage

Developer shall furnish the City with certificates of insurance required by this clause. The certificates are to be received and approved by the City before work commences. The City reserves the right to require complete, certified copies of all required insurance policies, at any time.

F. Subcontractors

The Developer shall include all subcontractors as insureds under its policies or shall furnish separate certificates for each subcontractor, as approved by the City in special circumstances. All coverages for subcontractors shall be subject to all of the requirements stated herein.

10. Hold Harmless

The Developer shall protect, defend, indemnify and save harmless the City, its officers, employees and agents from any and all costs, claims judgments or awards of damages, including attorney costs and fees, arising out of or in any way resulting from the negligent acts or omissions of Developer, its officers, employees, contractors and agents in performing this Agreement.

The Developer agrees that its obligation under this subparagraph extend to any claim, demand, and/or cause of action brought by, or on behalf of, any of its employees or agents. For this purpose, the Developer, by mutual negotiation, hereby waives, as respects the City only, any immunity that would otherwise by available against such claims under the Industrial Insurance provisions of Title 51 RCW. In the event the City incurs any judgment, award, and/or cost arising therefrom including attorneys' fees to enforce the provisions of this article, all such fees, expenses, and costs shall be recoverable from the Developer.

11. Risk of Loss

The Developer shall bear the risk of loss or damage for all finished or partially finished work until the entire extension is accepted by the Utility.

12. Easements

Any required easement shall be obtained by the Developer at its sole cost and expense. Executed original copies of off-site easements shall be delivered to the Utility prior to

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notification to proceed with construction. On-site easement submittals may be delayed until construction completion. Project acceptance will not occur until easement format, signature authority and legal descriptions are verified. All easements shall conform to Utilities Engineering Standards and King County's required format. The easement shall be clearly written in a manner that it can be plotted from the description, and a drawing of the easement location shall be attached. Plans should clearly label easements "public" or " private".

13. Surveys

The Developer shall furnish all property boundary surveys.

14. Permits

All permits required by any governmental agency, shall be obtained by the developer unless the Utility is required by the agency to obtain the permit. Permits must be obtained prior to commencing with construction. Prior to any street excavation, clearing and grading, or other work requiring a regulatory permit, the Developer or Developer's contractor shall present a copy of the appropriate permit to the Utility. If the Developer observes that the Agreement or any part thereof is inconsistent and/or at variance with such permit, he/she shall promptly notify the Utility in writing and any necessary changes shall be made by the Developer and submitted to the Utility for review.

15. Surety Instrument

Prior to construction, the Developer shall furnish to the Utility a Surety Instrument (Performance Bond, Security Agreement, Irrevocable letter of Credit or Assignment of Savings) in a form acceptable to the City, and in an amount equal to the engineers estimate or contractor's bid price to complete all work within the public right-of-way, connection to the water, sanitary sewer and/or storm drainage systems and restoration of public right-of-way and easements. The minimum surety amount shall be $5,000.00 per utility regardless of ownership.

Upon acceptance of the extension by the Utility, the Developer shall furnish to the Utility a Maintenance Surety Instrument (Maintenance Bond, Security Agreement, or Assignment of Savings) in an amount of not less than ten percent (10%) of the construction cost for the portion of the water, sanitary sewer and/or storm drainage extensions accepted and owned by the Utility. The minimum surety amount shall be $5,000.00 per Utility, regardless of ownership. Said Maintenance Surety Instrument shall guarantee correction of defects in the extension for a period of one (1) year following acceptance of the utility extensions by the Utility, and may automatically expire without written notification by the Utility, unless defects have been found.

The Developer may record a final subdivision prior to completion of the utility extensions only if said Developer has furnished a Surety Instrument (Performance Bond, Security Agreement, Irrevocable letter of Credit or Assignment of Savings) approved by the City in an amount equal to 150% of the engineer's cost estimate or 150% of the contractors bid price (minimum $7,500.00 per Utility) to complete the entire utility extensions, both on-site, and in public right-of-way, as allowed by the Land Use code.

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16. Procedure for Acceptance

Compliance with and completion of all the terms and conditions of this Agreement, the plans and specifications prepared hereunder, and other City requirements, and payment of any additional fees for Design Review and Construction Inspection Services shall be conditions precedent to the Utility's obligation to accept the utility extensions and to the Utility's agreement to maintain and operate the public portion of the utility extensions. Building occupancy or final subdivision approval will be withheld until project acceptance or appropriate surety instrument is provided, as noted above, for subdivisions only.

The Utility will not allow any connection to the utilities systems by any portion of the real property described in this Agreement if there are any fees or costs unpaid to the Utility under this Agreement, or if there are fees arising under other City requirements which are unpaid. The Utility shall not be obligated to provide utilities service to the property described in this Agreement if the construction by third parties of facilities to be deeded to the Utility has not been completed and accepted by the Utility, if such third party facilities are necessary to provide utility service to the property described in this Agreement.

The Utility will accept the utility extensions at such time that all work which may, in any way, affect the utility extensions has been completed, any damage to said utility extensions which may exist has been repaired, and the Utility has made final inspection and given its approval to the utility extensions as having been completed in accordance with this Agreement, the plans and specifications, and other requirements of the City. Such acceptance by the Utility shall not relieve the Developer of the obligation to correct defects in the labor and/or materials as herein provided and /or the obligations set forth in applicable paragraphs hereof. After acceptance of the utility extensions and the transferring of title to said utility extensions, as set forth herein, the Developer shall furnish a maintenance bond which shall remain in full force for a period of one (1) year. Said maintenance bond will be accepted by the Utility in-lieu of the surety instrument required herein. The maintenance bond shall be in a form acceptable to the City and shall require the Developer and/or the surety company to correct any and all defects which arise in said utility extensions for a period of one (1) year from the date of acceptance by the Utility.

Acceptance of the utility extensions shall be made in writing by the Utility. Prior to such acceptance, executed bill of sale documents, in a form approved by the Utility, and the warranties required by this Agreement, shall be executed by the Developer and any additional owners and delivered to the Utility for the Utility owned portion of the utility extensions. Acceptance by the Utility shall cause the public portion of the utility extensions to be subject to the control, use, and operation of the Utility and all regulations and conditions of service and service charges as the Utility determines to be reasonable and proper.

17. Phased Construction

The utility extensions may be constructed and accepted in phases as specifically designated on the approved plans and specifications when all requirements have been met. There will be no conditional acceptance or acceptance for use and operation. The accepted portion of the utility extensions must be capable of functioning independently.

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18. Time Limitation of Application

Applications for which no approval is issued within one year following the date of application shall expire by limitation. Plans and other data submitted for review may thereafter be returned to the applicant or destroyed. The Utilities Director may, prior to expiration, extend the time for action by the applicant for a period not exceeding 180 days. An administrative fee may apply.

Applications may be canceled for inactivity if the applicant fails to respond to the Utility's written request for revisions, actions or additional information within 90 days of the date of request. The Utilities Director may extend the response period beyond 90 days if, within the original 90-day time period, the applicant provides and subsequently adheres to an approved written schedule with specific target dates for submitting the full revisions, actions or other information needed by the Utility.

19. Time Limitation of Issued Approval

The Developer shall work diligently to complete all construction within two years of the date of Issuance of Approval of this Agreement. The Utilities Director, at his sole discretion, may issue one extension, up to one year in duration, to this Agreement, upon receipt of notice to the Utilities Department, prior to the expiration of the original two year period. Failure of the Developer to work diligently to complete the utility extensions shall be grounds to deny an extension. The Developer must then apply for a new extension agreement and be subject to all new codes, engineering standards and requirements. An administrative fee may apply. It is incumbent upon the Developer to complete all the work in a timely manner.

20. Materials and Equipment

Materials and equipment shall be new and shall be as specified in the Agreement, the plans and specifications, the Utilities Engineering Standards, or; if not specified, of a quality approved by the Utility. All materials and equipment furnished are warranted by the Developer as new and in accordance with the Agreement and the approved plans and specifications, and suitable for the intended purpose. In addition, the Developer shall furnish the Utility with copies of the supplier's warranty and shall adopt the same as the warranty of the Developer, and shall also be liable thereon to the Utility.

21. Warranties of the Developer

The bill of sale to be provided by the Developer to the Utility shall contain the following warranties with the City as the beneficiary:

A. Developer is the owner of the property, the same is free and clear of all encumbrances and Developer has good right and authority to transfer title thereto to the Utility and will defend the title of the City against claims of all third parties claiming to own the same or claiming any interest therein or encumbrance thereon; and

    1. The sanitary sewer extension is in proper working condition, order, repair, and is adequate and fit for the intended purpose of use as a sewer system and as an integral part of the sewer system of the Utility; and

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2. The storm drainage extension is in proper working condition, order, repair, and is adequate and fit for the intended purpose of use as a storm drainage system and as an integral part of the storm drainage system of the Utility; and

3. The water system extension is in proper working condition, order, repair, and is adequate and fit for the intended purpose of use as a water system and as an integral part of the water supply and distribution system of the Utility.

B. For a period of one (1) year from the date of final acceptance of the Utility extensions; the utility extensions, and all parts thereof, shall remain in proper working condition, order, and repair; and the Developer shall repair or replace, at its expense, any work or material which may prove to be defective during the period of the warranty.

In addition, the Developer shall obtain warranties and guarantees from its subcontractors and suppliers where such warranties or guarantees are specifically required in this Agreement. When correction of defects occurring within the warranty period are made, the Developer shall further warrant corrected work for one (1) year after the acceptance of the corrected work by the Utility.

22. Correction of Defects During the Warranty Period

When defects in the Utility extensions are discovered within the warranty period, the Developer shall start work to remedy any such defects within seven (7) days of written notice by the Utility, and shall complete such work within a reasonable time. In emergencies where damage may result from delay and/or where loss of service may result, the corrections may be made by the Utility upon discovery, in which case the cost thereof shall be borne by the Developer. In the event the Developer does not commence and/or accomplish the corrections within the time specified, the work may be accomplished by the Utility, at its option, and the cost thereof shall be borne by the Developer, by direct billing or attachment of the Maintenance bond.

Developer shall be responsible for any expenses incurred by the City resulting from defects in the Developer's work, including actual damages, costs of materials, and labor expended by the City in making repairs, and the cost of engineering, inspecting, and supervision by the City, and all overhead.

23. Rates and Charges

The Developer described in this Agreement shall be subject to all rates and charges established by the City. Interest on Connection charges shall be added as provided for in RCW 35.92.025.

24. Royalties and Patents

The Developer shall hold the City and its officers, employees and agents harmless from all suits, claims or liabilities of any nature, including attorney's fees, costs, and expenses, based upon any alleged infringement of patent rights regarding any material, machine, appliance, or process that the Developer may use on the work or incorporate within the work; and if suit in respect to the above is filed, the Developer shall appear and defend the City and its officials, employees, and volunteers at its own cost and expense; and if

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judgment is rendered or settlement made requiring payment of damages by the City, its officials, employees, or volunteers, the Developer shall pay the same.

25. Subletting or Subcontracting

Developer is fully responsible to the City for the acts and omissions of subcontractors and persons employed, directly or indirectly, by subcontractors, as well as the acts and omissions of persons directly employed by the Developer.

26. Latecomer's Agreement

The Developer may request a Latecomer's Agreement if the utility extensions benefit properties other than the Developer's property, and the Developer cannot include the other said property owners in this Agreement. Extension to the extreme of the property included in this Agreement does not constitute the basis for a Latecomer's Agreement. The Developer shall request a Latecomer's Agreement in writing, and provide itemized unit costs of the Utility extension installation(s). The latecomer agreement shall be approved and executed before acceptance of the utility extensions.

Properties benefiting by connection to the Developer installed utility extensions shall pay the pro-rata share of the latecomer's Agreement, with interest, plus an administrative fee to the Utility, who will then forward the latecomer reimbursement to the Developer. The Latecomer's Agreement shall remain in full effect for a period of fifteen (15) years.

27. General Conditions

Attached hereto are the General Conditions to this Agreement, addressing basic construction requirements, which by this reference are incorporated and made a part herein.

28. Utilities Engineering Standards

The City of Bellevue, Utilities Engineering Standards (latest edition) by this reference is hereby incorporated and made a part herein.

29. Notice of Completeness

Your application is considered complete, per RCW36.70B.070, 29 days after submittal, unless otherwise notified.

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30. Signatures

I certify that I am the owner or owners authorized agent. If acting as an authorized agent, I further certify that I am authorized to act as the Owners agent regarding the property described herein for the purpose of filing applications for decisions, permits or review under applicable Bellevue City Codes and I have full power and authority to perform, on behalf of the Owner, all acts required to enable the City to process and review such applications.

I hereby certify that the information on this application furnished by me is true and correct and that the application requirements of the City of Bellevue will be met.

Entered into and agreed to in whole this 6th day of May, 2025 by;

DEVELOPER: OWNER or OWNER'S AGENT	CITY OF BELLEVUE
Karen J Chi	Dwight Smith
(signature)	(signature)
Karen J Chi	Dwight Smith
(printed signature)	(printed signature)
Senior Project Manager	Utilities Development Review Manager
(title/position)	(title/position)
5/6/25	5/8/25
(date)	(date)

Issued 05/09/2025

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V. GENERAL CONDITIONS FOR CONSTRUCTION

1. Authority of Utility

The Utility shall have general authority over the work to be accomplished under this Agreement, provided nothing contained in this Agreement shall be construed to require the Utility to direct the method or manner of performing any work by the Developer.

The Utility shall decide all questions pertaining to the interpretation of the Agreement and the approved plans and specifications prepared hereunder, the quality or acceptability of materials furnished and work performed under this Agreement on the part of the Developer. The decision of the Utility on such matters shall be final.

All work under this Agreement shall be performed to the satisfaction of the Utility, and the decision by the Utility as to whether the work has been performed in a satisfactory manner shall be final.

The Utility may stop work under this Agreement whenever, in its opinion, such stoppage is necessary to ensure proper performance of this Agreement. The Utility may also reject all work and materials which, in its opinion, do not conform to the Agreement.

The Utility may direct the sequence of conducting work when it is in locations where the City is doing work either by contract or through its own forces and where such other works may be affected by the work performed under this Agreement, in order that conflict may be avoided and the work under this Agreement may be harmonized with such other work.

2. Determination of "OR Equal"

The Utility shall be the sole judge of the questions of "or equal" of any supplies, materials, or equipment proposed by the Developer. The Developer shall pay to the Utility the costs of tests and evaluations needed to determine the acceptability of alternates proposed by the Developer.

3. Compliance with Laws

The Developer shall give all notices and comply with all laws, ordinances, rules, and regulations relating to the work provided for under this Agreement.

4. Stoppage of Work

If the Developer performs any work contrary to this agreement, laws, ordinances, rules or regulations; or, prior to obtaining any necessary permits or other required permission, the Utility may order the work stopped.

5. Points, Instructions and Construction Staking by the Developer

The Developer is responsible to provide all surveying work needed to accurately locate the designed improvements. The Developer shall not proceed with staking until approval is received from the Utility. Existing underground utilities, above ground appurtenances, and other facilities must be located.

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The Developer shall provide 48 hours advance notice (excluding weekends and holidays) before actual construction begins.

The Developer shall provide horizontal control in the form of either road centerline stakes, property stakes, or easement centerline stakes, as necessary, to be utilized in providing construction staking. Construction staking shall not begin until adequate horizontal control is in place in the field. Construction cut sheets shall be supplied to the Utility before construction of the utility improvements begins. Cut sheets shall be presented to the Inspector 24 hours in advance of construction.

Additional construction staking may be required for various reasons and shall be the responsibility of the Developer.

Additional construction staking which may be required shall include:

A. Location of easements, property lines and road centerlines.

   1. Location of sewer mains, manholes and side sewer stubs.
   2. Location of storm drains and appurtenances, detention and water treatment facilities.
   3. Location of water mains, valves, meter boxes, hydrants and principle fittings and backs of hydrants.

B. Addition of set stakes and offset stakes other than those specified in General Condition 5.

C. Replacement of stakes for any reason.

D. Additional work occasioned by obstruction, delay or prevention of staking by the Developer.

6. Inspections and Tests

Inspection by the Utility is required for various aspects of the utility system. Such aspects include but are not limited to:

All Utility Systems:

- All water main, sewer main and storm drain pipe laying operations
- Installation of sleeves, couplers and adapters on pipe
- Pipe bedding and backfilling
- Casings, concrete encasement or other special installations
- Crossing AC water mains or other utilities
- Repairs to water, wastewater and surface water facilities or other utilities
- Pavement, curb, gutter and sidewalk restoration
- All surface components (valve box, frame and grate, ring and cover, etc) after final paving
- Easement restoration

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Water Systems:

- All water main fittings with concrete blocking
- Pressure testing water mains
- Water main purity samples after flushing
- Main wet taps
- Any cut-in's on existing water mains
- Hydrant installations
- Water service installations
- Vault installations and appurtenances (DCVAs, PRVs, meters, etc.)

Wastewater Systems:

- Hole cuts on sanitary sewer pipe
- Manhole installations and pipe connections
- Manhole vacuum testing
- Manhole core drilling
- Air testing sewer main and side sewer stubs
- Flushing/cleaning sewer mains and CCTV inspection
- Grease/oil-water separators
- Vehicle wash and dumpster area drains
- Side sewer installations:
  - Tee locations and stub markers
  - Side sewer depth at right-of-way/easement line
  - Side sewer slope
  - Fittings and clean-outs

Surface Water:

- Hole cuts on storm drain pipe
- Manhole/catch basin installations and pipe connections
- Manhole and catch basin vacuum testing
- Manhole or catch basin coring/drilling
- Storm water detention facilities (vaults, pipes and ponds)
- Storm water treatment facilities, including vegetation when it is part of the facility's function
- Lot drain "tee" locations and stub markers
- Lot drain stub depth at right-of-way/easement line
- Lot drain stub slope

Inspection of the work by the Utility shall be strictly for the benefit of the Utility and no other person.

The Utility shall, at all times, have access to the work for the purpose of inspecting and testing. The Developer shall provide facilities for safe access, inspection and testing.

If any work is covered without the approval or consent of the Utility it shall be uncovered for inspection at the Developer's expense, if required by the Utility.

The Developer shall make reasonable tests of the work at the Developer's expense upon the Utility's request, and shall maintain a record of such tests.

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Before a performance test is to be observed by the Utility, the Developer shall make whatever preliminary tests are necessary to assure that the material and/or equipment are in accordance with the approved plans and specifications provided. If, for any reason, the test observed is unsatisfactory, the Developer shall pay all costs incurred for the inspection of further testing.

Should the Developer elect to work more than eight hours per weekday, all costs of inspection thus entailed may be charged to the Developer at the overtime billing rate.

The Utilities' approval is required to work nights, weekends and holidays. After-hours inspections may not be possible due to the lack of staff availability. The Developer shall submit his proposed schedule to work nights, weekends or holidays at least five (5) days in advance (not including weekends and holidays) for review. If the Developer elects to work on weekends, nights or holidays, and such work schedule is approved by the Utility, all costs of inspection may be charged to the developer at the overtime billing rate. In addition, the Developer shall obtain approvals from the Development Services Department to work outside the hours allowed by the Noise Ordinance; and the Transportation Department to work outside hours specified in the Right-of-Way use permit.

Where the Agreement, approved plans and specifications, or laws, ordinances, rules, or regulations of any governmental authority require that any work be specially tested or inspected, the Developer shall give the Utility notice that such tests or completed work is ready for inspection. If the inspection is by an authority other than the City, the Developer shall notify the Utility of the date and place of the inspection. Required certificates of inspection by other authorities shall be secured by the Developer.

Notice of deficiencies shall be given to the Developer upon completion of each inspection. The Developer shall correct such deficiencies within seven (7) days of the notice and before final inspection is made by the Utility.

A representative of the contractor shall arrange a time to accompany the Utility on the final inspection and subsequent reinspection, if required. The Utility will not make the final inspection until the physical work, including final clean-up and all extra work ordered by the Inspector has been completed.

Deficiencies discovered during the final inspection shall be corrected within seven (7) days of notice thereof and, in no instance, shall service be provided until the deficiencies are corrected and the utility extensions pass reinspection.

7. Availability of Project Documents

The Developer shall keep at least one copy of the following project documents constantly available at the construction site.

1) Approved construction plans and shop drawings
2) Construction specifications
3) Developer Extension Agreement
4) Bellevue Utilities Engineering Standards

8. Materials and Equipment List

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The Developer shall file three copies of a materials and equipment list with the Utility prior to proceeding with construction. This list shall designate the quantity, manufacturer and model number of materials and equipment to be installed under the Agreement.

The list will be checked by the Utility for conformity with the Agreement and the approved plans and specifications provided. The Utility will determine the conformity of the list with reasonable promptness. The Developer shall make any required corrections and file two corrected copies with the Utility within one week after the receipt of the required corrections. The Utility's review of the list shall not relieve the Developer from the responsibility of providing materials and equipment suitable for their intended purpose nor for deviations from the Agreement or the plans and specifications without written permission from the Utility.

9. Shop Drawings

The Developer shall have his engineer check and verify all shop drawings and schedules required for the performance of the work and as requested by the Utility. The Developer's engineer shall verify all measurements or conditions to which the shop drawings are applicable.

The Developer shall furnish two corrected copies of the shop drawings to the Utility. Neither the Developer's engineer's approval nor the Utility's acceptance of the Shop Drawings shall relieve the Developer from responsibility for the deviation from this Agreement or the approved plans and specifications provided, nor shall it relieve the Developer from the responsibility for errors in the shop drawings.

10. Samples

The Developer shall furnish for approval all samples as directed by the Utility. The finished work shall be in accordance with approved samples. Approval of samples by the Utility does not relieve the Developer from the obligation to perform the work in accordance with the Agreement or the approved plans and specifications provided.

11. Protection of Work and Property

The Developer shall continuously maintain adequate protection of the work from damage and shall protect the City's property from injury or loss arising in connection with or during the existence of this Agreement. The Developer shall be liable to the City for any injury or loss resulting from its failure to comply with this provision. The Developer shall also adequately protect adjacent property from damage or loss which might result from performance of the work under this Agreement. The Developer shall also provide and maintain all passageways, guard fences, lights, and other facilities for the protection of the public as required by law, codes, ordinances, regulations and other permits. The Utility may request that releases be obtained from adjacent properties in order to be assured that damages and/or losses have been addressed.

12. Safety Requirements

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The Developer shall take all necessary precautions for the safety of employees on the work site and shall comply with all applicable provisions of federal, state, and municipal law with regard thereto. The Developer shall erect and properly maintain at all times, as required by the conditions and progress of the work, all necessary safeguards for the protection of employees and the public, and shall designate a responsible member of its organization on the construction site whose duty shall be the prevention of accidents. The name and position of such person shall be reported in writing to the Utility.

13. Use of Private Property

The Developer shall not enter upon or place materials on private property without express written permission of the property owner. A copy of such written permission shall be furnished to the Utility. The Developer shall hold the City harmless from all suits and actions of any kind or description which might arise from its use of private property.

14. Location of Underground Utilities

Underground utilities of record shall be shown upon the approved plans and specifications so far as possible. Such representation is for convenience only and the City assumes no responsibility for improper locations or failure to show utility locations on the plans and specifications. A locating service shall be called upon to mark utilities in the field prior to construction. Call 811 or 1-800-424-5555, before you dig.

15. Replacing Improvements

Whenever it is necessary in the course of construction to remove or disturb culverts, landscaping, driveways, roadways, pipelines or other existing improvements, whether on private or public property, they shall be replaced to a condition equal to that existing before they were so removed or disturbed. Survey monuments, property stakes or other survey markers shall be protected in accordance with Chapter 322-120 WAC. The Developer shall provide documentation to the Inspector that all provisions of Chapter 322-120 WAC have been complied with.

16. Superintendents and Supervision

The Developer shall keep on the construction site during the progress of the work a competent superintendent and any necessary assistants, all satisfactory to the Utility. The superintendent shall represent the Developer in his absence and all directions given to the superintendent shall be as binding as if given to the Developer.

At all times, the Contractor shall keep at the work site a set of the approved plans, specifications, Developer Extension Agreement and Engineering Standards. The Contractor shall devote the attention required to make reasonable progress on the work and shall cooperate fully with the Utility.

Competent supervisors experienced in the task being performed shall continuously oversee the contract work. At the Utility's written request, the Contractor shall immediately remove and replace any incompetent, careless, insubordinate or negligent employee. Noncompliance with the Utility's request to remove and replace personnel at any level shall be grounds for the issuance of a Stop Work Order.

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The Contractor shall keep all machinery and equipment in good, workable condition. It shall be adequate for its purpose and used by competent operators.

17. Operation of Existing Water Valves

The operation of all existing water system valves shall be done by Utility personnel only.

18. Domestic Water Meters

It shall be the responsibility of the Developer to make application and pay necessary fees to the Utility for the installation of water meters. The Developer shall not purchase and install water meters from a private supplier; except water meters larger that 2" may be purchased from a Utility approved supplier.

Single family meter applications shall not be submitted until after acceptance of the utility extensions.

19. Flushing of New Water Mains

The flushing of new water mains for the purpose of removing foreign materials and accumulated sterilants shall only be done in the presence of a Utility Representative.

The water supply for filling, testing and flushing of the new water mains will be available from the existing distribution system via a fire hydrant use permit and the appropriate connection appurtenances.

20. Disposal of Flush Water

The Contractor is responsible for disposal of water flushed from water mains. Unprocessed flush water and turbid water shall not be discharged to surface waters or the storm drain system. Disposal may be made by storing and aerating until chlorine and/or turbidity cannot be detected with disposal to the storm drain system, or by percolation into the ground, or to a public sanitary sewer provided the disposal rate does not overload the sewer. The Contractor shall exercise special care during flushing to avoid damage to adjacent properties and overloading the sanitary sewer system.

21. Video Inspection

Following flushing the Developer will provide a videotape of the sewer and drainage pipe interior for all mains 8" and larger. The final inspection cannot be completed until the Utility has reviewed the video tape and any deficiencies have been repaired.

22. Side Sewer Permits

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It shall be the responsibility of the Developer to make application and pay necessary fees to the Utility for the issuance of Side Sewer Permits. A copy of the side sewer permit shall be present on-site prior to commencing with side sewer construction and connection.

Single family sewer permits shall not be issued until after acceptance of the utility extension.

23. Final Sequence for Acceptance of Commercial Projects

In order for the Utility to approve the project for occupancy, the Developer must complete the following:

1. Contractor completes all utility work.
2. Contractor makes an appointment for a "punch list" inspection.
3. Developer provides detention tank, vault or pond as-builts, CAD disk and compliance letter(s).
4. Contractor completes "punch list" work and corrects all deficiencies.
5. Contractor makes an appointment for a final inspection. Inspector re-inspects "punch list" and signs off project as "complete", provided there are no deficiencies.
6. Inspector prepares memos of completion for Development Reviewer.
7. Development Reviewer verifies that all applicable requirements of the Utility Developer Extension Agreement have been satisfied (pre-acceptance). Allow 3 to 4 weeks to complete this process.
   a) O & M Manual approved and recordable
   b) Outstanding fees paid
   c) Easements verified and recordable
   d) Bills of Sale, for transfer of facilities to be owned by the City of Bellevue
   e) Maintenance Bonds, if greater than original Performance Bonds
   f) Certification of Construction Cost
   g) Latecomer Agreement
8. Development Reviewer provides copy of Acceptance Letter to Inspector.
9. Inspector signs Certificate of Occupancy (C.O.) and allows water meter(s) to be set or unlocked.
10. The Utility Developer Extension Agreement Approval expires two years after the Issuance date, unless extended as described in the Agreement section 19. After expiration, a Stop Work Order may be posted for all utility work. A new Developer Extension Agreement must be executed in order to remove the Stop Work Order. The project will be subject to all conditions of the new Agreement.

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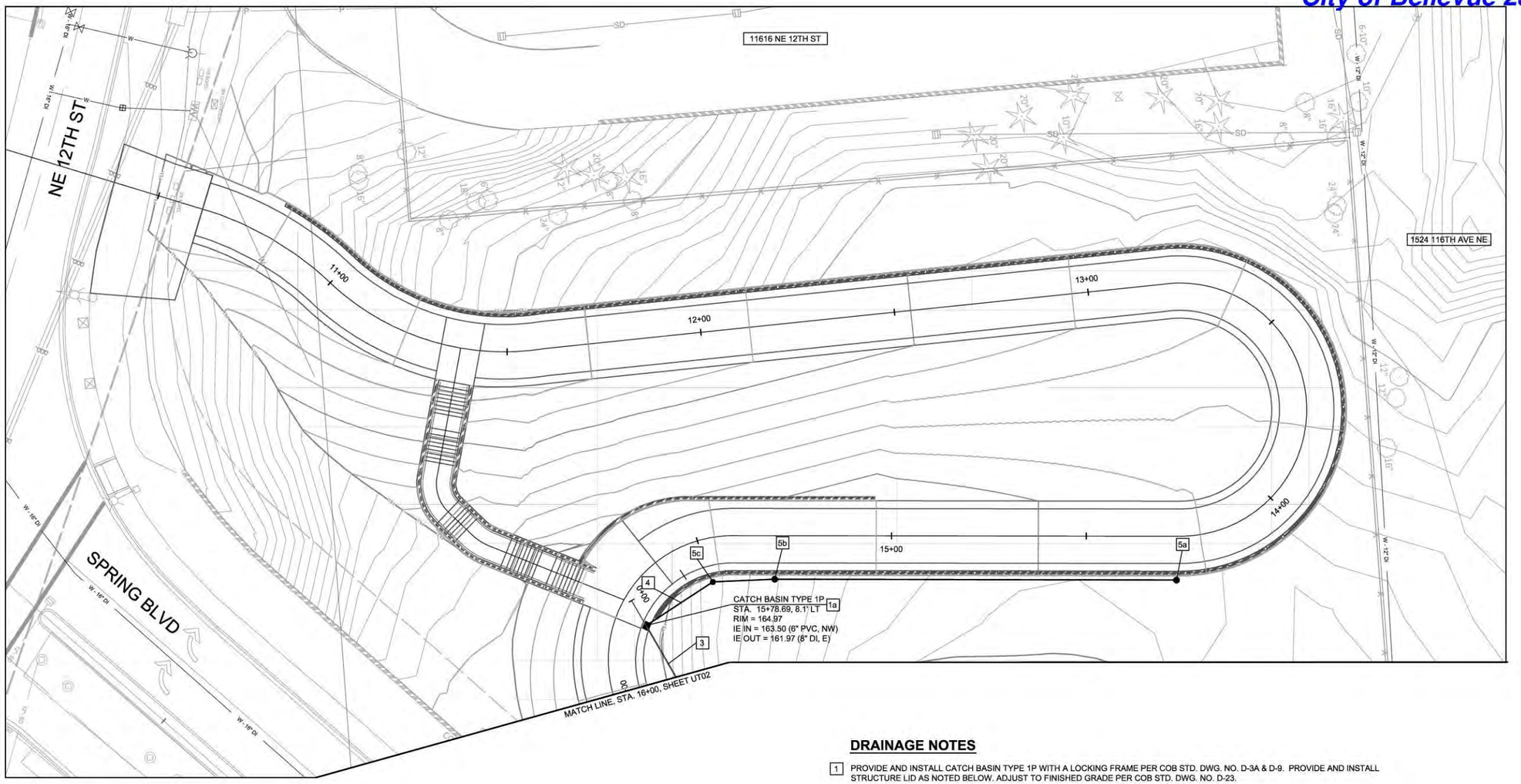

GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. WHERE THE VERTICAL DISTANCE BETWEEN UTILITIES IS LESS THAN 6 INCHES, THE CONTRACTOR SHALL PROVIDE AN O.D. X O.D. X 2.5 INCH ETHAFOAM PAD PER THE SPECIAL PROVISIONS 7-08.3(2)j.
3. FOR JUNCTION BOXES, STREET LIGHTING AND ELECTRICAL CONDUIT INSTALLATION, SEE SHEETS CH01-CH02

DRAINAGE NOTES

1. PROVIDE AND INSTALL CATCH BASIN TYPE 1P WITH A LOCKING FRAME PER COB STD. DWG. NO. D-3A & D-9. PROVIDE AND INSTALL STRUCTURE LID AS NOTED BELOW. ADJUST TO FINISHED GRADE PER COB STD. DWG. NO. D-23.
   a. STA. 15+78.69, 8.09' LT. - VANED GRATE PER COB STD DWG NO. D-6.
3. PROVIDE AND INSTALL 8" DUCTILE IRON STORM SEWER PIPE PER COB STD DWG. NO. D-25 & D-46. SEE STORM PROFILE, SHEET UT02.
4. PROVIDE AND INSTALL 6" PVC PERFORATED UNDERDRAIN PIPE.
5. PROVIDE AND INSTALL CLEANOUTS PER BELLEVUE STD. DWG NO. D-52.
   a. STA. 14+27, 12' LT
   b. STA. 15+30, 12' LT
   c. STA. 15+49, 12' LT

LEGEND

NEW WALL

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR.	REVISIONS

C. Masek 07/24 DESIGNED BY DATE
C. Masek 07/24 DRAWN BY DATE
C. Masek 07/24 CHECKED BY DATE

City of Bellevue
Transportation Department

7/3/24
CHRISTOPHER D. MASEK
STATE OF WASHINGTON
45856
REGISTERED
PROFESSIONAL ENGINEER

EASTRAIL TO NE SPRING BLVD TRAIL LINK

UTILITY PLAN

UT01 H-5 OF 40

CITY OF BELLEVUE WASHINGTON
Issued 05/09/2025

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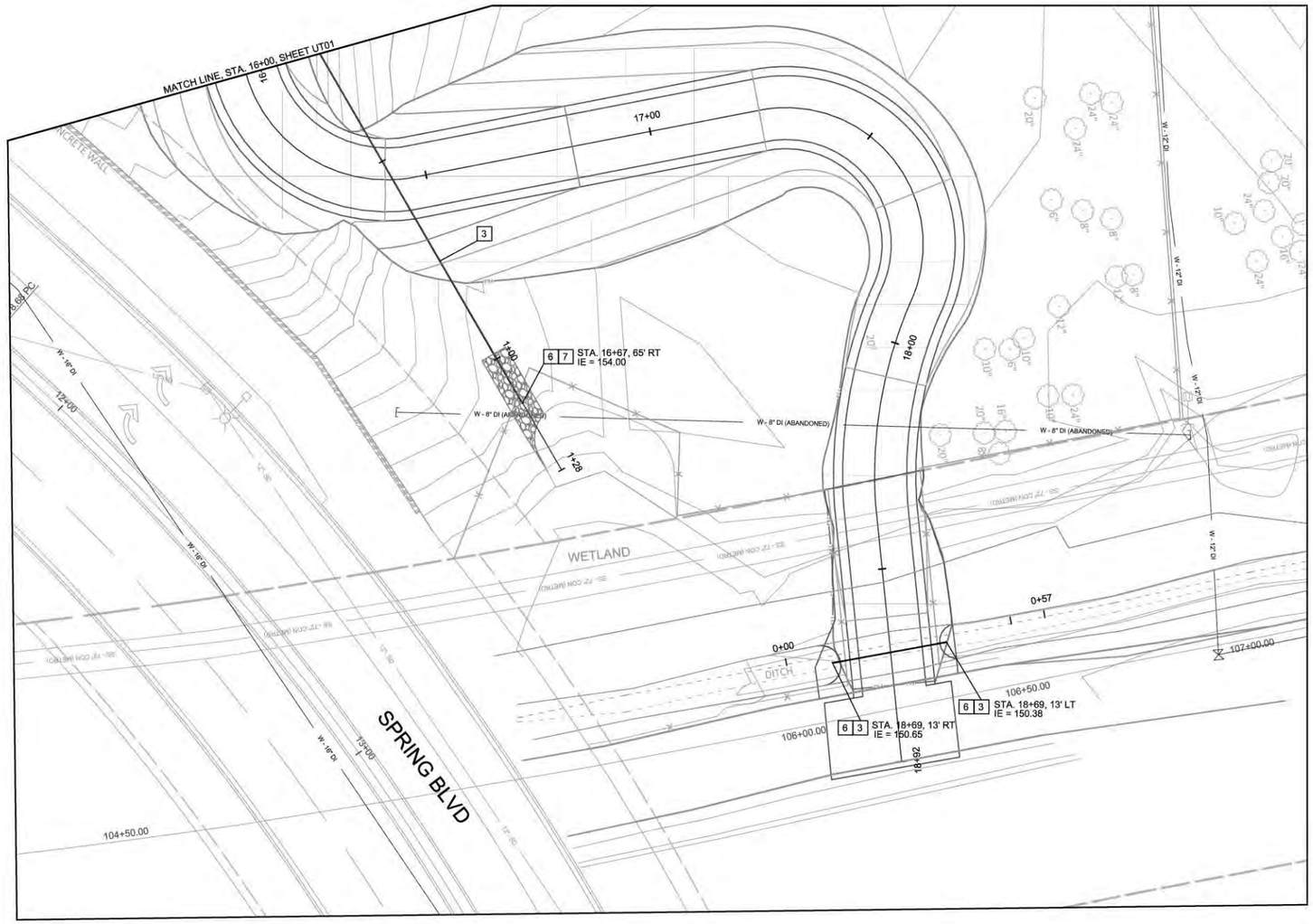
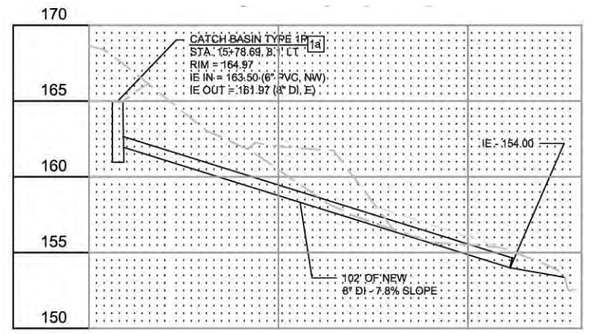
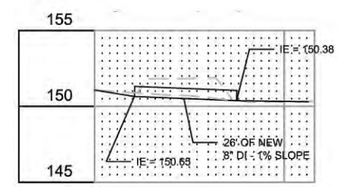




STRUCTURE 1a TO OUTFALL PROFILE



PIPE UNDER TRAIL PROFILE

GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. WHERE THE VERTICAL DISTANCE BETWEEN UTILITIES IS LESS THAN 6 INCHES, THE CONTRACTOR SHALL PROVIDE AN O.D. X O.D. X 2.5 INCH ETHAFOAM PAD PER THE SPECIAL PROVISIONS 7-08.3(2)j.
3. FOR JUNCTION BOXES, STREET LIGHTING AND ELECTRICAL CONDUIT INSTALLATION, SEE SHEETS CH01-CH02

DRAINAGE NOTES

2 PROVIDE AND INSTALL 8" PVC STORM SEWER PIPE PER COB STD DWG. NO. D-25 & D-46, SEE STORM PROFILE, THIS SHEET.

3 PROVIDE AND INSTALL 8" DUCTILE IRON STORM SEWER PIPE PER COB STD DWG. NO. D-25 & D-46. SEE STORM PROFILE THIS SHEET.

6 PROVIDE AND INSTALL TRASH RACK ON END OF PIPE PER COB STD DWG NO D-53.

7 PROVIDE AND INSTALL PROTECTION AROUND PIPE PER COB STD. DWG. NO. D-34, D-59 AND ROCK PROTECTION DETAIL, SEE SHEET DT01.

SCALE IN FEET
15 0 15 30

NO.	DATE	BY	APPR.	REVISIONS

C. Masek 07/24 DESIGNED BY DATE
C. Masek 07/24 DRAWN BY DATE
C. Masek 07/24 CHECKED BY DATE

City of Bellevue
Transportation Department

CHRISTOPHER D. MASEK STATE OF WASHINGTON 45856 REGISTERED PROFESSIONAL ENGINEER 7/3/24

EASTRAIL TO NE SPRING BLVD TRAIL LINK

UTILITY PLAN

UT02 H[illegible] OF 40

CITY OF BELLEVUE WASHINGTON Issued 05/09/2025

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Development Services Department
Environmental Coordinator
450 110th Avenue NE
Bellevue, WA 98009-9012

DETERMINATION OF NON-SIGNIFICANCE

PROPOSAL NAME:	Eastrail to NE Spring Blvd Trail Link
LOCATION:	11608 NE 12th Street, Eastrail
FILE NUMBERS:	23-103211-LO
PROPONENT:	City of Bellevue Transportation Department (COBT)

DESCRIPTION OF PROPOSAL:

Construct a connector trail and an approximately 850-foot long, 14-foot-wide non-motorized-use trail between Eastrail and NE 12th Street/Spring Boulevard in the City of Bellevue. The project will impact wetland critical areas, buffers, and structure setbacks. Proposed mitigation is a combination of on-site wetland creation, buffer restoration, and buffer enhancement as well as purchase of bank credits from an approved wetland mitigation bank.

The Environmental Coordinator of the City of Bellevue has determined that this proposal does not have a probable significant adverse impact upon the environment. An Environmental Impact Statement (EIS) is not required under RCW 43.21C.030(2)(C). This decision was made after the Bellevue Environmental Coordinator reviewed the completed environmental checklist and information filed with the Land Use Division of the Development Services Department. This information is available to the public on request.

This DNS is issued after using the optional DNS process in WAC 197-11-355. There is no further comment period on the DNS. There is a 14-day appeal period. Only persons who submitted written comments before the DNS was issued may appeal the decision.

DATE ISSUED: 9/12/2024

APPEAL DATE: 9/26/2024

A written appeal must be filed in the City Clerk's Office by 5 p.m. on the appeal date noted above.

This DNS may be withdrawn at any time if the proposal is modified so as to have significant adverse environmental impacts; if there is significant new information indicating a proposals probable significant adverse environmental impacts (unless a non-exempt license has been issued if the proposal is a private project) or if the DNS was procured by misrepresentation or lack of material disclosure.

Issued By: Reilly Pittman **for** **Date:** September 12, 2024
Reilly Pittman, Environmental Coordinator
Development Services Department

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City of Bellevue
Development Services Department
Land Use Staff Report

Proposal Name:	Eastrail to NE Spring Blvd Trail Link
Proposal Address:	11608 NE 12th Street, Eastrail
Proposal Description:	Critical Areas Land Use Permit approval to construct a connector trail and an approximately 850-foot long, 14-foot-wide non-motorized-use trail between Eastrail and NE 12th Street/Spring Boulevard in the City of Bellevue. The project will impact wetland critical areas, buffers, and structure setbacks. Proposed mitigation is a combination of on-site wetland creation, buffer restoration, and buffer enhancement as well as purchase of bank credits from an approved wetland mitigation bank.
File Number:	23-103211-LO
Applicant:	City of Bellevue Transportation Department (COBT)
Decisions Included	Critical Areas Land Use Permit (Process II. 20.30P)
Planner:	Drew Folsom, Land Use Planner
State Environmental Policy Act Threshold Determination:	**Determination of Non-Significance** *Reilly Pittman* Reilly Pittman, Environmental Coordinator Development Services Department
Director's Decision:	**Approval with Conditions** Rebecca Horner, Development Services Director Development Services Department By: *Reilly Pittman* For Antoinette Pratt, Land Use Director

Application Date:	February 17, 2023
Notice of Application Date:	April 13, 2023
Decision Publication Date:	September 12, 2024
Project Appeal Deadline:	September 26, 2024

For information on how to appeal a proposal, visit Development Services Center at City Hall or call (425) 452-6800. Appeal of the decision and SEPA determination must be received in the City's Clerk's Office by 5 PM on the date noted for appeal of the decision.

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CONTENTS

I. Proposal Description ..... Pg 3

II. Site Description, Zoning, Land Use, and Critical Areas ..... Pg 4

III. Consistency with Land Use Code Requirements ..... Pg 5

IV. Public Notice & Comment ..... Pg 10

V. Summary of Technical Review ..... Pg 10

VI. State Environmental Policy Act (SEPA) ..... Pg 10

VII. Decision Criteria ..... Pg 11

VIII. Conclusion and Decision ..... Pg 13

IX. Conditions of Approval ..... Pg 14

Attachments/File Documents Referenced

1. Project Plans – Enclosed
2. Critical Areas Report, Wetland Study, Wetland Typing, – In File
3. Geotech Report – In File
4. Project forms, SEPA checklist – In File

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I. Proposal Description

The proposal will develop a 14-foot-wide pedestrian and bicycle trail connection between Eastrail trail and NE 12th Street/Spring Boulevard. The connection will provide consist of an elevated 14-foot wide trail supported by associated retaining walls. The trail connection is approximately 850 feet long and will be constructed to accommodate non-motorized use only. The trail connection will be compliant with the American Disability Act (ADA). The Eastrail corridor is a 42-mile rail corridor that stretches from Renton to Snohomish, passing through Renton, Bellevue, Kirkland, Woodinville, Redmond, and portions of unincorporated King and Snohomish counties. Originally, the rail line was known as the Lake Washington Belt Line and supported development along the eastern shore of Lake Washington.

The trail will permanently impact 226 square feet of Category III wetland, and 12,294 square feet of wetland buffers. During construction, there will be temporary impacts to 316 square feet of wetland and 10,906 square feet of wetland buffer. 55 deciduous trees will be removed. Construction of new public transportation and trail infrastructure is an allowed activity per LUC 20.25H.055.C.2. A Critical Areas Report (CAR) has been included in the proposal to address wetland and wetland buffer impacts and proposed enhancement and mitigation. See Figure 1 and 2 for the project location and site plan below.

Figure 1-General Location

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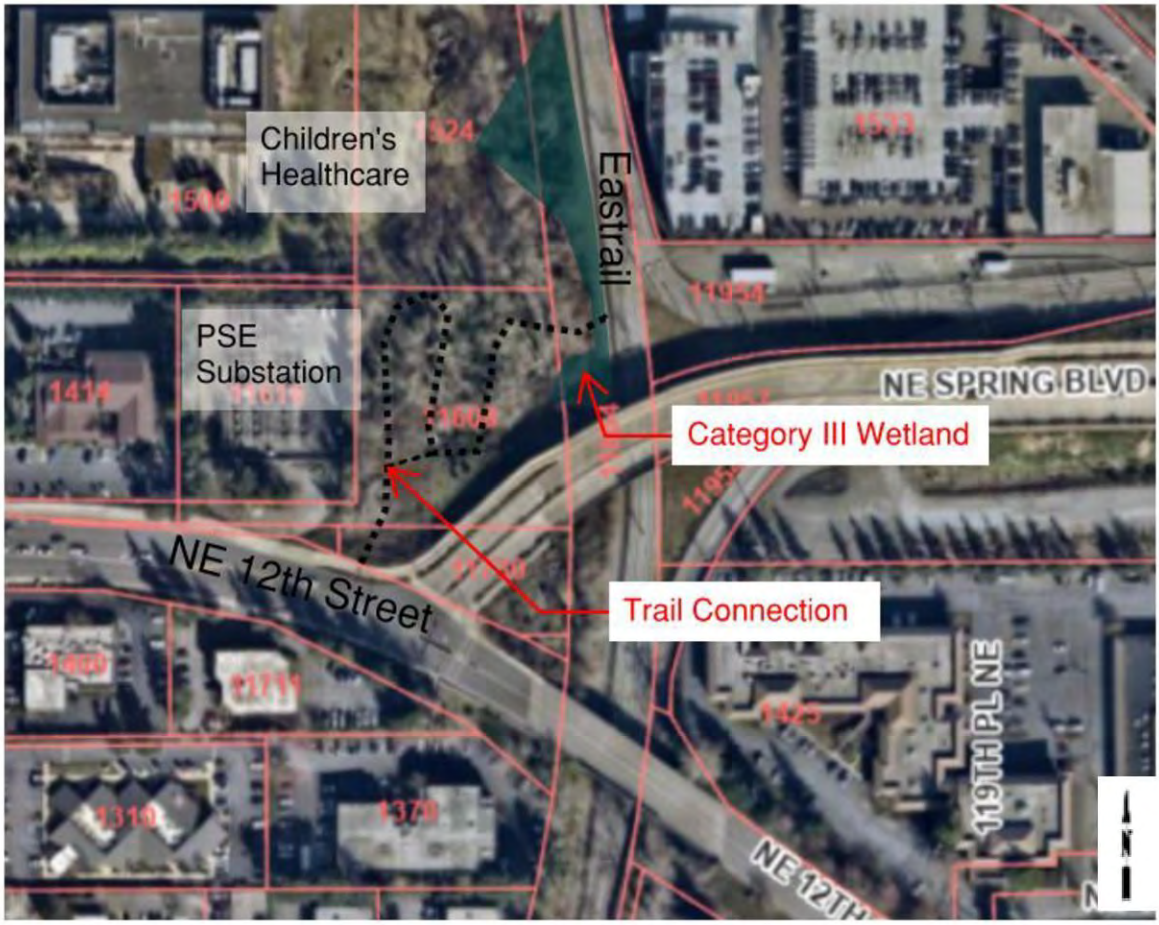

Figure 2- Site Plan

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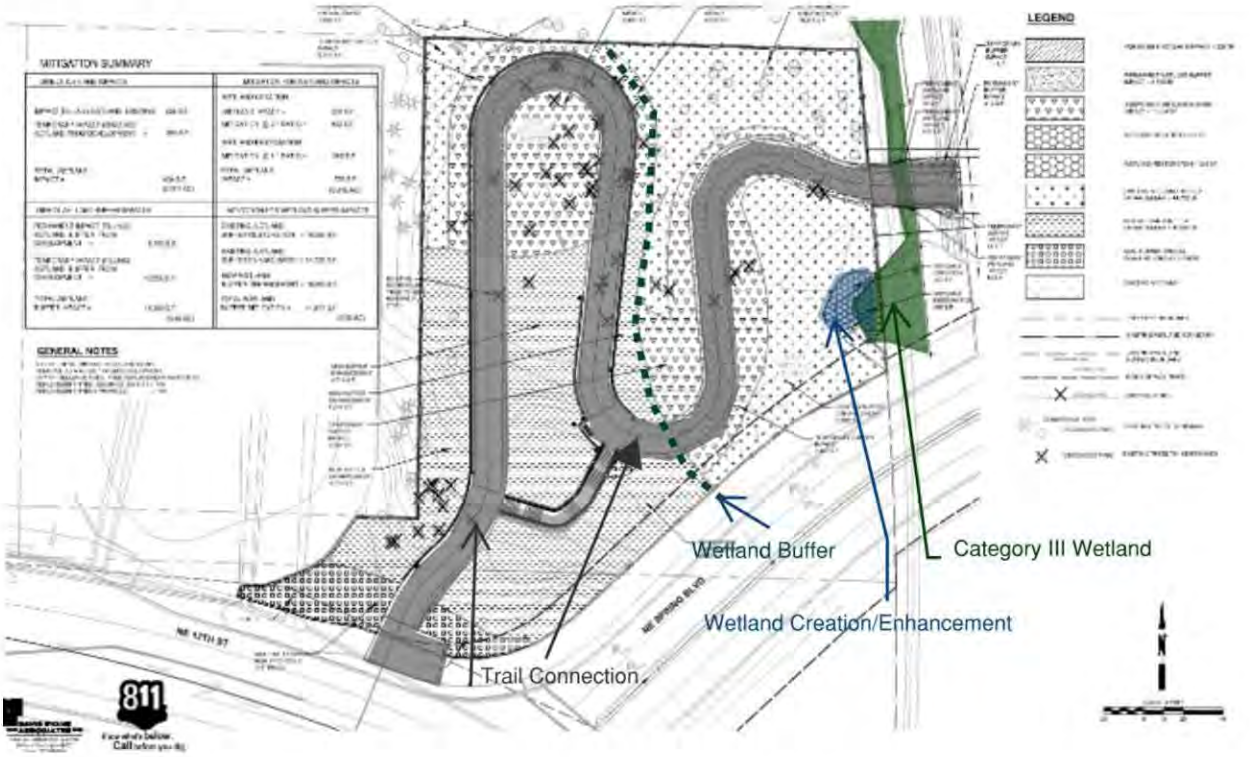

II. Site Description, Zoning, Land Use, and Critical Areas

A. Site Description

The project will provide a non-motorized connection from NE 12th Street/Spring Boulevard to the Eastrail corridor. The project is located on a vacant parcel located at 11608 NE 12th Street and the Eastrail and at the intersection of NE 12th Street and NE Spring Boulevard. The area generally slopes to the northeast, with the majority of the area being forested, while the southern portion of the property is newly planted native vegetation as a result of the previous construction of Spring Boulevard. The East Rail Trail corridor (owned by Sound Transit) borders the property to the east, NE Spring Boulevard. and NE 12th Street borders the property to the south, a PSE electrical substation to the west, and forested land to the north. The property slopes down approximately 40 feet from the surface of NE 12th Street to the East Rail Trail. The trail location will impact a Category III wetland and associated buffer. The wetland is isolated and provides minimal habitat due to the high level of historic and existing disturbances in the immediate vicinity. The properties adjacent to the project area are medical, commercial, and residentially zoned. A mixture of existing commercial, transportation, and utility uses border the project. See Figure 1 in Section I for project location.

B. Zoning

The properties in the vicinity are zoned:

- MI, Medical Institutional
- BR-MO, Bel-Red Medical Office
- BR-OR-2, Bel-Red Office/Residential Node 2

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C. Land Use Context

The properties in the vicinity have a variety of commercial, transportation, and utilities Land Use Designations. The project is located in an area heavily impacted by regional and local utilities and transportation facilities.

D. Critical Areas On-Site and Regulations

i. Wetlands

Wetlands include the vegetated edges of ponds and areas commonly called swamps, marshes, and bogs. Frequently, their water is only visible in the spring. Wetlands are classified into four categories, based on a combination of habitat, water quality, and flood-flow-reduction functions.

Wetlands provide rearing and foraging habitats for fish and wildlife and food chain support for downstream waters. Wetlands provide natural water quality improvement; flood-flow reduction and storage; shoreline erosion protection; and opportunities for passive recreation. Many urban wetlands are heavily disturbed, but still provide valuable water quality treatment and flood-flow reduction.

III. Consistency with Land Use Code Requirements:

A. Zoning District Dimensional Requirements:

The zoning dimensional requirements are generally met by the proposal, but conformance will be verified during permit review.

B. Critical Areas Requirements LUC 20.25H:

The City of Bellevue Land Use Code Critical Areas Overlay District (LUC 20.25H) establishes performance standards and procedures that apply to development on any site which contains in whole or in part any portion designated as critical area, critical area buffer, or structure setback from a critical area or buffer. The proposed improvements are allowed uses in critical areas, buffers, and setbacks, provided certain requirements are met. The project is subject to the performance standards found in LUC 20.25H.055.C below.

i. Consistency With LUC 20.25H.055.C.2.a

New or expanded facilities and systems are allowed within the critical area or critical area buffer only where no technically feasible alternative with less impact on the critical area or critical area buffer exists. A determination of technically feasible alternatives will consider:

1. The location of existing infrastructure;

The proposal will provide a non-motorized connection between NE 12th Street and the Eastrail Corridor by constructing an elevated ramp. The location is constrained

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by the size of the Eastrail easement and existing development. The location is within the narrowest area possible and there are no feasible alternative locations or configurations within the Eastrail corridor or adjoining properties that would have less impact to critical areas or buffers.

2. **The function or objective of the proposed new or expanded facility or system;**
   The purpose of the proposed trail connection is to provide a safe non-motorized, multi-use connection between NE 12th Street and the Eastrail. The connection will provide a safe link between the Eastrail and existing and proposed pedestrian and bicycle facilities serving local and regional users.

3. **Demonstration that no alternative location or configuration outside of the critical area or critical area buffer achieves the stated function or objective, including construction of new or expanded facilities or systems outside of the critical area;**
   The location is constrained by the size of the easement and proximity to the existing development. The proposed alignment stays outside of wetland boundaries to the greatest extent feasible. A bridge design was explored to avoid wetland impacts however, it was determined that a bridge was not feasible because the wetland was too close to the Eastrail Trail to provide sufficient ground clearance and still maintain ADA requirements. Wetland impacts are being minimized by crossing at the narrowest point of the wetland. Wetland buffer impacts are further minimized through the use of an extensive retaining wall on the north side of the walkway and locating the trail to minimize the removal of large trees. A culvert will be placed where the trail crosses the wetland to maintain the hydrological connection to the north and south. With this alignment and design, critical area impacts are limited and there are no feasible alternative locations or configurations within the Eastrail that would have less impact to critical areas or buffers.

4. **Whether the cost of avoiding disturbance is substantially disproportionate as compared to the environmental impact of proposed disturbance; and**
   The environmental impacts of the proposal have been avoided and mitigated to the greatest extent feasible. The feasible location is constrained by existing development and the wetlands. Complete avoidance of disturbance within the critical areas and buffers would require rerouting the trail outside of the existing railroad grade and trail envelope. Avoidance of wetland impacts would require a much longer ramp routed through private property in addition to permanent at-grade impacts. This avoidance would entail substantial additional costs and impacts that are disproportionate to the proposed disturbance, including additional property acquisitions and/or easements and associated fill, excavation, and grading.

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5. **The ability of both permanent and temporary disturbance to be mitigated.** As identified in the CAR, a total of 226 square feet of permanent and 316 square feet of temporary wetland impacts, and 23,200 square feet of temporary and permanent wetland buffer impacts. Land Use Code 20.25H.105 requires 2-to-1 replacement ratios for permanent category III wetland impacts and 1-to-1 replacement ratios for permanent wetland buffer impacts, and restoration of temporary impacts. The applicant submitted a CAR demonstrating that the proposal will create 452 square feet of wetland and restore 316 of temporary impacted wetlands meeting the wetland mitigation ratios. The report demonstrated that 5,920 square feet of wetland buffer impacts cannot be restored per the mitigation sequencing of LUC 20.25.105.C. The applicant submitted a CAR demonstrating that the purchase of 6,000 square feet of wetland mitigation bank credits from Keller Farms, combined with on-site mitigation will provide a net gain to environmental functions.

   The proposed mitigation will consist of 452 square feet of wetland creation, 316 square feet of wetland restoration, 10,069 square feet of buffer enhancement, 10,906 square feet of buffer restoration, and the equivalent of 6,000 square feet of wetland mitigation bank credits. A mitigation planting plan has been submitted. The project will include the planting of 165 native trees. See Figures 4a and 4b below for wetland impacts and mitigation, and Attachment 3 for wetland typing. This plan also includes restoration plans for the restoration of temporary disturbance.

Figure 4a Summary of Wetland Impacts

Table 1. Project Impacts

TYPE OF IMPACT	SIZE (SQ. FT.)
Permanent Wetland Impact	226
Temporary Wetland Impact	316
Permanent Wetland Buffer Impact	12,294
Temporary Wetland Buffer Impact	10,906
Total	**23,742**

Table 2. Summary of Trees to be Removed

TYPE OF TREES	NO. OF TREES REMOVED
Conifer	0
Deciduous	55

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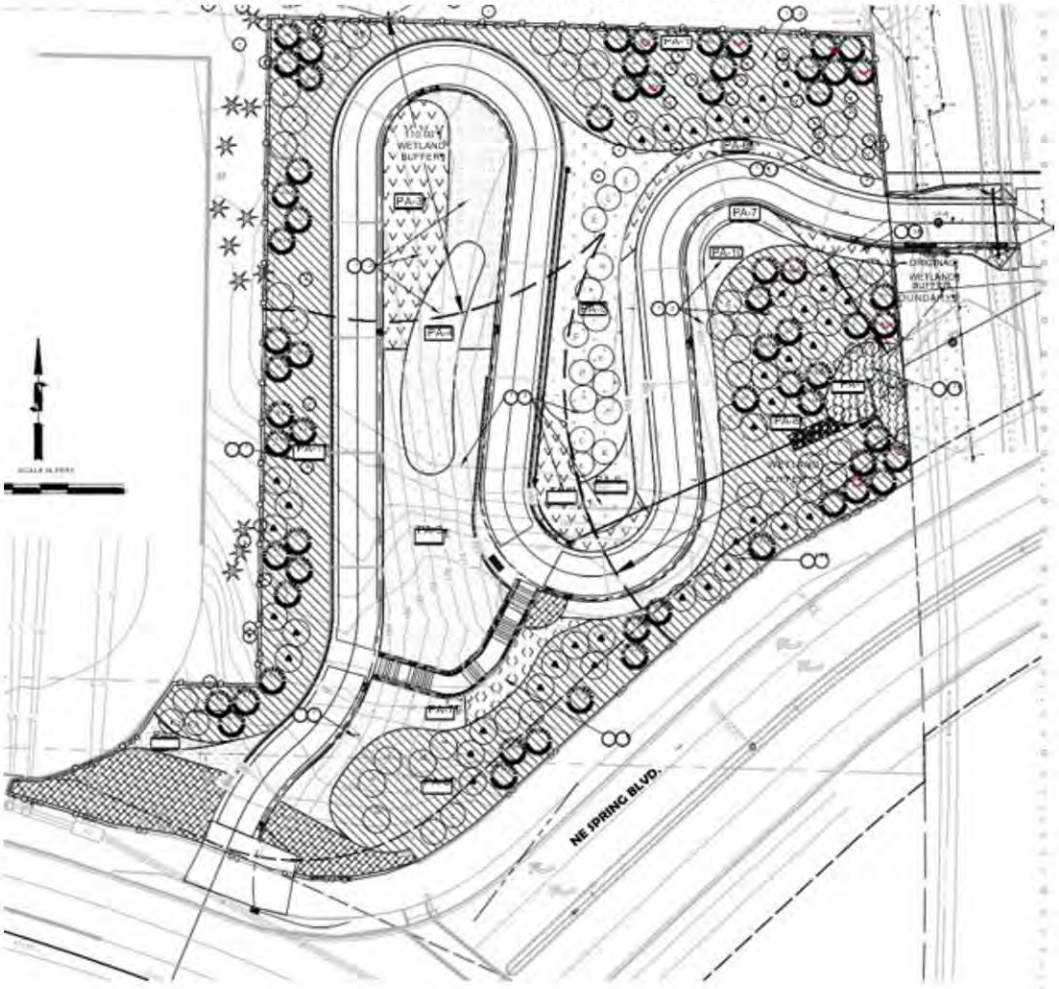
Figure 4b Summary of Compensatory Mitigation

PROPOSED MITIGATION	AREA (sq. ft.)
Wetland Creation	452
Wetland Restoration	316
Wetland Buffer Enhancement	10,069
Wetland Buffer Restoration (full)	7,212
Wetland Buffer Restoration (partial)	3,694
Wetland Mitigation Bank Credits	6,000
Total	**27,743**

Figure 4c Wetland and Wetland Buffer Enhancement



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The future permits for the construction of the trail must depict all proposed mitigation, and restoration and provide full details on all planting specifications. The on-site restoration and mitigation areas will be required to be maintained and monitored for a minimum of five years. **See Section IX for mitigation,**

ii. Consistency with Performance Standards for New and Expanded Uses or Development (within critical areas and critical area buffers) LUC 20.25H.055.C.2.b

The proposed alignment stays outside of wetland boundaries to the greatest extent feasible. Where wetland disturbance occurs, the trail crossing of the wetland uses the minimum footprint possible to meet the facility design. The use of a bridge was carefully evaluated but had to be dismissed because adequate clearance under the bridge could not be provided for ADA landing grades at the intersection with the Eastrail Trail. The trail crosses the wetland at its narrowest point in an area lacking trees or shrubs and dominated by invasive species. As discussed in the CAR, the project will not impact habitat used by salmonids or any species of local importance. The project does not significantly affect aquatic flow, duration, volume or hydroperiod. The wetland will be connected by a culvert to maintain the flow path. With this alignment and design, critical area impacts are limited. All project work will be consistent with applicable City of Bellevue codes and standards. The project does not include any parking or other support functions within critical areas or critical area buffers. Areas of temporary and permanent disturbance will be mitigated and/or restored pursuant to a mitigation and restoration plan; and purchase of compensatory wetland and wetland buffer credits.

iii. Consistency With LUC 20.25H.100

New lighting will be directed away from the wetlands, and buffers. Other than noise potentially created by the use of the trails, the only increase in noise levels would result from construction. Runoff from impervious surfaces will be treated prior to release to any wetland. The outer edge of the wetland will be planted with dense vegetation to limit pet or human use per the submitted mitigation plan. Use of pesticides, insecticides, and fertilizers within 150 feet of the edge of buffers will be in accordance with the City of Bellevue's Environmental Best Management Practices.

iv. Consistency with LUC 20.25H.255 Critical Areas Report

In addition to 452 square feet of wetland creation, 316 square feet of wetland restoration, and 20,759 square feet of wetland buffer enhancement and restoration of on-site or adjacent wetlands and buffers, the applicant proposes off-site and outside of the drainage sub-drainage basin mitigation for impacts to wetlands. This additional mitigation consists of the purchase of wetland mitigation bank credits from the Keller Farm Mitigation Bank, in the City of Redmond. The Keller Farm Mitigation Bank is a 75.2-acre site in water resource inventory area (WRIA) 8, the same WRIA as the

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project is in. By contributing credits toward the restoration of a wetland within the same WRIA, a watershed approach would be met.

The total proposed credit purchase for the project from Keller Farms is .041 credits. The amount of wetland credits is based on water quality improvement, hydrologic support, and habitat scores for each impacted wetland. Due to the low and moderate level of function provided by the impacted wetlands, the credit purchase is anticipated to provide a level of function that is higher, with greater overall benefit to the ecological functions of the watershed than the functions presently provided by the impacted wetlands. The applicant shall acquire mitigation credits from the program and provide documentation prior to final inspection of clearing and grading permit.

Mitigation actions may be conducted off-site and outside of the drainage sub-basin only through a critical areas report. The applicant supplied a complete critical areas report and addendum prepared by a qualified professional. The report meets the minimum requirements in LUC 20.25H.250 and demonstrates that the proposed modification of the wetland and buffer leads to equivalent or better protection of the critical areas functions and values than would result from the application of the standard requirements. There are no reasonable on-site or in-sub-drainage basin opportunities or on-site and in-sub-drainage basin opportunities that do not have a high likelihood of success, and watershed goals for water quality, flood or conveyance, habitat, or other wetland functions have been established. The report and addendum are included as Attachment 2 to this staff report. **See Section IX for Mitigation related conditions of approval.**

IV. Public Notice and Comment

Application Date:	February 17, 2023
Public Notice (500 feet):	April 13, 2023
Minimum Comment Period:	April 27, 2023

The Notice of Application for this project was published in the City of Bellevue Weekly Permit Bulletin and Seattle Times on April 17, 2023. It was mailed to property owners within 500 feet of the project site. One comment was received from the King County Wastewater Treatment Division requesting information regarding the construction plans. The City will share proposed clearing and grading and construction plans with King County when they are available, prior to issuance of any construction permit.

V. Summary of Technical Reviews

A. Clearing and Grading

The Clearing and Grading Division of the Development Services Department has reviewed the proposed site development for compliance with Clearing and Grading codes and

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standards. The Clearing and Grading staff found no issues with the proposed development and has approved the application.

B. Utilities

The Utilities Review section of the Development Services Department reviewed the proposal for compliance with Utility codes and standards and has approved the application. The proposal will be required to maintain standard clearances to water, sewer, storm which will be reviewed under the clearing and grading permit.

A deviation from the 2023 Water Engineering Standards section W3-05 was granted for this project, which allows for the wall to be constructed with less setback than is required as per section W3-05(D).

VI. State Environmental Policy Act (SEPA)

The environmental review indicates no probability of significant adverse environmental impacts occurring as a result of the proposal. The Environmental Checklist submitted with the application adequately discloses expected environmental impacts associated with the project. The City codes and requirements, including the Clear and Grade Code, Utility Code, Land Use Code, Noise Ordinance, Building Codes, and other construction codes are expected to mitigate potential environmental impacts. Therefore, issuance of a Determination of Non-Significance (DNS) is the appropriate threshold determination under the State Environmental Policy Act (SEPA) requirements.

A. Earth, Air, and Water

The project will have wetland, and buffer impacts, as discussed in Section III. The wetland and buffer impacts will be mitigated through on-site wetland creation and restoration. Slope impacts will be mitigated through replanting of native vegetation including 165 native trees.

A temporary erosion and sedimentation control plan will be required as part of the approval of the required clear and grade permit and shall address all requirements for restoring areas of temporary construction disturbance as well as erosion and sedimentation best management practices. Erosion and sediment control best management practices include the installation of silt fencing around the work area and covering exposed soils to prevent migration of soils. **See Permit Related Conditions of Approval in Section X of this report.**

B. Animals

The project area includes natural area open space, wetlands, and buffers that contain limited habitat for birds and mammals. Although no species were observed on the site, some species may use the site for foraging and perching. Habitat in the project area is diminished by the abundance of invasive species (primarily Himalayan blackberry and reed canarygrass), noise and disturbance from human activity on surrounding roads, highways, and commercial properties, and the presence of roads, buildings, fences, and other barriers to travel by wildlife

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species.

The proposed activities are designed to be minimally disruptive to wildlife habitat. The impacted critical areas and buffers currently contain a significant invasive species component, which will be replaced post-project with a native vegetation community. The on-site wetland enhancement and buffer will also benefit wildlife through the removal of invasive plant species and restoration of a diverse native vegetation community. **See Mitigation Related Conditions of Approval in Section IX of this report.**

C. Plants

The project will require 226 square feet of direct permanent and 316 square feet of temporary wetland impacts and 23,200 square feet of temporary and permanent wetland buffer impacts. The proposed mitigation will consist of 452 square feet of wetland creation, 316 square feet of wetland restoration, 10,069 square feet of buffer enhancement, and 10,906 square feet of buffer restoration, with the removal of invasive species and planting of native vegetation including 165 native trees. A mitigation planting plan has been submitted. Required monitoring and maintenance of wetlands and buffers after project implementation will include invasive species management.

See Mitigation Related Conditions of Approval in Section IX of this report.

VII. Decision Criteria

A. Critical Areas Report Decision Criteria- General.

Except for the proposals described in subsection B of this section, the Director may approve, or approve with modifications, the proposed modification where the applicant demonstrates:

1. **The modifications and performance standards included in the proposal lead to levels of protection of critical area functions and values at least as protective as application of the regulations and standards of this code;**

   As identified in the CAR, a total of 226 square feet of direct permanent and 316 square feet of temporary wetland impacts, and 23,200 square feet of temporary and permanent wetland buffer impacts. The proposed mitigation will consist of 452 square feet of wetland creation, 316 square feet of wetland restoration, 10,069 square feet of buffer enhancement, 10,906 square feet of buffer restoration, and the equivalent of 6,000 square feet of wetland mitigation bank credits. The plan will be required to include native trees, shrubs, groundcovers & perennials, and emergents. Wetland buffer edges will be planted with native, thorny vegetation and/or fenced with signage to limit pet or human use. The mitigation plan will improve both the condition and the function of these critical areas over the standard application of the code.

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2. **Adequate resources to ensure completion of any required mitigation and monitoring efforts;**

   The proposal has adequate resources to ensure completion of the proposed on-site wetland and buffer enhancement, including any necessary adaptive management and monitoring of the mitigation, as well as resources to purchase the mitigation credits from the Keller Farm Mitigation Bank to further compensate for project impacts to wetlands. Copies of the on-site and adjacent mitigation enhancement monitoring reports will be submitted annually for five years to the City. **See Mitigation related Conditions of Approval in Section IX of this report.**

3. **The modifications and performance standards included in the proposal are not detrimental to the functions and values of critical area and critical area buffers off-site; and**

   The project proposes to improve the wetland and wetland buffers through wetland creation, restoration, and enhancement by removing invasive species and replanting with native vegetation. **See Mitigation related Conditions of Approval in Section IX of this report.**

4. **The resulting development is compatible with other uses and development in the same land use district.**

   The proposed trail link from NE 12th Street to the Eastrail trail corridor is compatible with other uses and development in the land use district.

B. 20.30P.140 Critical Area Land Use Permit Decision Criteria – Decision Criteria

The Director may approve, or approve with modifications an application for a Critical Area Land Use Permit if:

1. **The proposal obtains all other permits required by the Land Use Code.**
   All required permits will be obtained.

2. **The proposal utilizes to the maximum extent possible the best available construction, design and development techniques which result in the least impact on the critical area and critical area buffer.**
   The project location and design limit permanent disturbance as much as possible to have the least impact on wetlands, and buffers. Disturbance along the trail is minimized through the use of retaining walls. Construction areas are being limited to previously disturbed or developed areas to the greatest extent feasible.

3. **The proposal incorporates the performance standards of Part 20.25H to the maximum extent applicable.**

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As discussed in Section III of this report, the applicable performance standards of LUC Section 20.25H are being met.

4. **The proposal will be served by adequate public facilities including street, fire protection, and utilities.**
   The proposed improvements enhance a public facility by providing new non-motorized transportation options. No increased need will be placed on the existing public facilities.

5. **The proposal includes a mitigation or restoration plan consistent with the requirements of LUC Section 20.25H.210.**
   A mitigation planting plan has been submitted. The proposed mitigation will consist of 452 square feet of wetland creation, 316 square feet of wetland restoration, 10,069 square feet of buffer enhancement, 10,906 square feet of buffer restoration, and the equivalent of 6,000 square feet of wetland mitigation bank credits. On-site mitigation will include the removal of invasive species and planting of native vegetation including 165 native trees to offset permanent shading impacts. **See Mitigation Related Conditions of Approval in Section IX of this report**.

6. **The proposal complies with other applicable requirements of this code.**
   As discussed in this report, the proposal complies with all other applicable requirements of the Land Use Code.

VIII. Conclusion and Decision

After conducting the various administrative reviews associated with this proposal, including Land Use Code consistency, City Code and Standard compliance reviews, the Director of the Development Services Department does hereby approve with conditions the disturbance and modification of critical areas for the proposed Eastrail to NE Spring Blvd Trail Link. **Approval of this Critical Areas Land Use Permit does not constitute a permit for construction. Separate development permits are required and all plans are subject to review for compliance with applicable City of Bellevue codes and standards.**

Note - Expiration of Critical Area Permit Approval: In accordance with LUC 20.30P.150, a Critical Areas Land Use Permit automatically expires and is void if the applicant fails to file for a permit or other necessary development permits within one year of the effective date of the approval.

IX. Conditions of Approval

The applicant shall comply with all applicable Bellevue City Codes and Ordinances including but not limited to:

Applicable Ordinances	Contact Person

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Clearing and Grading Code- BCC 23.76	Tom McFarlane Uzunow, 425-452-5207
Utility Code	Roy Andresen, 425-452-5206
Land Use Code- BCC Title 20	Drew Folsom, 425-452-4441

The following conditions are imposed under the Bellevue City Code or SEPA authority referenced:

1. **Development Permit:** Approval of this Critical Areas Land Use Permit does not constitute an approval of a development permit. Application for a clearing and grading or other required permits must be submitted and approved. Plans submitted as part of either permit application shall be consistent with the activity permitted under this approval.

   Authority: Land Use Code 20.30P.140, Clearing & Grading Code 23.76.035
   Reviewer: Drew Folsom, Development Services Department, Tom McFarlane, Development Services Department, Clearing & Grading Section

2. **Final Restoration Planting:** The mitigation planting proposed is required to be installed and the plans submitted under the application are considered conceptual. A final plan is required to be submitted under future construction permits. All areas of temporary disturbance within critical areas and buffers shall be restored. The plans submitted shall provide full planting specifications and details.

   Authority: Land Use Code 20.30P.140; 20.25H.220
   Reviewer: Drew Folsom, Development Services Department

3. **Maintenance and Monitoring:** Maintenance and monitoring of the mitigation and restoration planting is required for five years per the plan found in the submitted critical areas assessment as Attachment 3. A copy of the monitoring reports is required to be submitted to the Environmental Planning Manager for the Land Use Division of Development Services annually.

   Authority: Land Use Code 20.30P.140; 20.25H.220
   Reviewer: Drew Folsom, Development Services Department

4. **Mitigation Bank:** Documentation regarding participation in the Keller Farm Mitigation Bank is required. The applicant shall acquire mitigation credits and provide documentation prior to final inspection of clearing and grading permit.

   Authority: Land Use Code 20.25H.105, 20.25H.210
   Reviewer: Drew Folsom, Development Services Department

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5. **Lighting**: The applicant shall submit as part of the underlying clearing and grading or other required permits a note that light shall be directed away from wetlands and wetland buffers.

   Authority: Land Use Code 20.25H.100
   Reviewer: Drew Folsom Development Services Department

6. **Rainy Season Restrictions:** No clearing and grading activity may occur during the rainy season, which is defined as October 1 through April 30 without written authorization of the Development Services Department. Should approval be granted for work during the rainy season, increased erosion and sedimentation control measures, representing the best available technology must be implemented prior to beginning or resuming site work.

   Authority: Bellevue City Code 23.76.093
   Reviewer: Tom McFarlane, Development Services Department, Clearing & Grading Section

7. **Dewatering Discharge Plan:** Construction dewatering must be approved by Bellevue Water Quality before any discharge of any dewatering water. A dewatering discharge plan must be submitted and approved prior to issuance of the clearing and grading permit.

   Authority: Bellevue City Code 23.76.035
   Reviewer: Tom McFarlane, Development Services Department, Clearing & Grading Section

8. **Turbidity and pH Monitoring Required:** A turbidity and pH monitoring plan must be submitted and approved prior to issuance of the clearing and grading permit, and the plan must be implemented during site work. The plan must be developed and implemented in accordance with the Turbidity & pH Monitoring Requirements contained in the Bellevue Clearing & Grading Development Standards.

   Authority: Clearing & Grading Code 23.76.160
   Reviewer: Tom McFarlane, Development Services Department, Clearing & Grading Section

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Development Services

SEPA Environmental Checklist

The City of Bellevue uses this checklist to help determine whether the environmental impacts of your proposal are significant. This information is also helpful to determine if available avoidance, minimization, or compensatory mitigation measures will address the probable significant impacts or if an environmental impact statement will be prepared to further analyze the proposal.

Instructions

The checklist asks you to describe some basic information about your proposal. Please answer each question accurately and carefully and to the best of your knowledge. You may need to consult with an agency specialist or private consultant for some questions. You may respond with "Not Applicable" or "Does Not Apply" only when you can explain why it does not apply and not when the answer is unknown. You may also attach or incorporate by reference additional studies and reports. Please make complete and accurate answers to these questions to the best of your ability in order to avoid delays. For assistance, see SEPA Checklist Guidance on the Washington State Department of Ecology website. The checklist questions apply to all parts of your proposal, even if you plan to do them over a period of time or on different parcels of land. Attach any additional information that will help describe your proposal or its environmental effects. The city may ask you to explain your answers or provide additional information reasonably related to determining if there may be significant adverse impact.

Background

1. **Name of proposed project, if applicable:**

Eastrail to NE Spring Blvd Trail Link

2. **Name of applicant:**

City of Bellevue

3. **Contact person:**

Chris Masek
Transportation Department

D.Folsom 9/11/24

D.Folsom 4/11/23

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4. **Contact person address:**

City of Bellevue
450 110th Avenue NE
Bellevue, WA 98004
phone (425) 452-4619

5. **Date this checklist was prepared:**

February 8, 2023

6. **Agency requesting the checklist:**

City of Bellevue Transportation Department

7. **Proposed timing or schedule (including phasing, if applicable):**

Anticipated start date is April 2024. Duration estimated at 100 working days.

8. **Do you have any plans for future additions, expansion or further activity related to or connected with this proposal? If yes, explain.**

No.

9. **List any environmental information you know about that has been prepared or will be prepared, that is directly related to this proposal.**

National Environmental Policy Act Categorical Exclusion
Hazardous Materials Technical Memorandum
Environmental Justice Documentation
Geotechnical Report
Critical Areas Report
No Effect Letter
Section 4f
Storm Drainage Report

D.Folsom 4/11/23

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10. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.

No.

11. List any government approvals or permits that will be needed for your proposal, if known.

National Environmental Policy Act Categorical Exclusion
National Pollutant Discharge Elimination System Construction Stormwater General Permit
City of Bellevue SEPA
City of Bellevue Clearing and Grading Permit
City of Bellevue Critical Areas Permit
U.S. Army Corps of Engineers Section 404 Permit
Washington Department of Ecology 401 Water Quality Certification (pre-approved)
Ecology NPDES permit.

12. Give a brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page. (Lead agencies may modify this form to include additional specific information on project description.)

The City of Bellevue proposes to build a pedestrian and bicycle connection from the existing sidewalk on NE 12th Street to the Eastrail Trail at the intersection of NE 12th Street and NE Spring Blvd, within Section 28 of Range 03 East and Township 19 North. The site is approximately 1.42 acres.

Currently, there is no formal connection between the Eastrail Trail and NE 12th Street. The project would provide a new 14-foot-wide paved trail that will meet Americans with Disabilities Act (ADA) standards. The total length of the proposed trail is approximately 850 feet. Improvements would include landscaping, irrigation, urban design, illumination, wetland mitigation, public art, wayfinding signage, site furnishings, and a retaining wall with railings.

The proposed retaining wall would be a geosynthetic fill wall supporting the 14-feet wide trail. It will be approximately 508-feet long and has a maximum retained height of approximately 22 feet. To improve aesthetics, the wall will be decorated using sculpted shotcrete or concrete formliners. A proposed installation of public art at the trail terminus along NE 12th Street would add to the aesthetic value of the site.

D.Folsom 4/11/23

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The trail meanders around the site for visual appeal, maintaining a slope of less than 5 percent, per ADA standards. However, a set of stairs provides a short-cut between sections of the trail at the south end of the project, near the intersection of NE 12th Street and NE Spring Boulevard.

13. **Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including a street address, if any, and the section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The City of Bellevue proposes to build a pedestrian and bicycle connection from the existing sidewalk on NE 12th Street to the Eastrail Trail at the intersection of NE 12th Street and NE Spring Blvd, within Section 28 of Range 03 East and Township 19 North. The ***60% Design Plans*** contains a vicinity map, which shows the project location and site plans.

Environmental Elements

Earth

1. **General description of the site: flat, rolling, hilly, steep slopes, mountainous, other:**

The project site slopes downward to the east, with moderate to steep slopes. The site generally slopes downwards from 190 feet above mean sea level (AMSL) at NE 12th St to 155 feet AMSL at the tie in to the Eastrail Trail. The southwestern edge of the project site has a 13 percent slope leading from the southwest to the middle of the site. The western edge of the project site contains a 20 percent slope. The northern half of the project site is relatively flat to the east of toe of the 20 percent slope to the west. (See ***Geotechnical Report***).

2. **What is the steepest slope on the site (approximate percent slope)?**

The western edge of the project site contains a 20 percent slope. The northern half of the project site is relatively flat to the east of toe of the 20 percent slope to the west. (See ***Geotechnical Report***).

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D.Folsom 4/11/23

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3. **What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of agricultural soils, specify them, and note any agricultural land of long-term commercial significance and whether the proposal results in removing any of these soils.**

4

Fill was encountered below the topsoil in all borings and hand holes extending to depths ranging from 2.5 to 5 feet bgs. In general, the fill consisted of medium dense, silty sand with varying amounts of gravel. We expect that the fill in borings BH-1 through BH-3 was placed and regraded in association with the laydown yard that was established in support of past construction activities. See ***Geotechnical Report*** for more information.

4. **Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe.**

No.

5. **Describe the purpose, type, total area and approximate quantities and total affected area of any filling, excavation and grading proposed. Indicate the source of the fill.**

The total area of ground disturbance for the project is estimated at 1.42 acres. Approximately 4,500 cubic yards of material will be excavated (above the ordinary high water mark [OHWM]) for installation of the proposed retaining walls. Approximately 16,000 cubic yards of fill material will be placed to support the new trail alignment and associated side slopes, resulting in a net increase of material on the site. The project would not disturb soils beyond boundaries of the project site, nor would any excavation occur below the OHWM.

At the embankment footprints, depths of excavation could be up to 5 feet below ground surface (bgs) and approximately 1 to 2.5 feet bgs (maximum) for the remainder of the site.

Fill material will be crushed surfacing base course and gravel borrow, and topsoil.

6. **Could erosion occur as a result of clearing, construction, or use? If so, generally describe.**

D.Folsom 9/11/24

D.Folsom 4/11/23

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Erosion could potentially occur during construction activities due to the slopes on site. Erosion control measures listed in response to Question B 1 h below would minimize erosion during construction. Erosion is unlikely to occur after project construction is complete and installed plantings have established.

7. **About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?**

A total of approximately 13,027 square feet (21 percent) of the site will be covered with new impervious surfaces after construction. Those surfaces will consist of asphalt trail and retaining walls.

8. **Proposed measures to reduce or control erosion, or other impacts to the earth, if any.**

The contractor must comply with applicable city and county development standards and would prepare a Erosion and Sediment Control Plan (ESCP) before the start of ground-disturbing activities. With application of BMPs in accordance with the ESCP, erosion potential would be minimal. Construction BMPs could include keeping staging and travel areas clean and free from track-out, covering work areas and stockpiled material when not in use, and completing earth work on or near steep slopes during dry weather and dry site conditions if possible. Stormwater runoff would be managed and BMPs employed in accordance with the Ecology 2019 Stormwater Management Manual for Western Washington or other stormwater regulations as applicable.

The project requires more than 1 acre of ground disturbance, which means that a Construction Storm Water General Permit under Section 402 of the Clean Water Act NPDES would be required. Maintaining cover measures atop disturbed ground typically would provide the greatest reduction to the potential generation of turbid runoff and sediment transport.

Air

1. **What types of emissions to the air would result from the proposal during construction, operation, and maintenance when the project is completed? If any, generally describe and give approximate quantities if known.**

Project construction could result in potential short-term increases in particulate matter (from vehicles and fugitive dust on sites), carbon monoxide, volatile organic compounds and nitrogen oxide emissions. These increases would come from the operation of construction equipment, hauling materials, diesel-fired generators and construction workers accessing the site. Standard practices to control emissions of particulate matter, carbon monoxide, volatile organic compounds and nitrogen oxides would also be implemented during construction. Once construction is completed, these short-term

D.Folsom 4/11/23

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increases would no longer occur. No additional air emissions are expected after construction, compared to existing conditions. All areas of Washington state currently meet National Ambient Air Quality Standards.

2. **Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe.**

No off-site sources of emissions or odors have been identified that could affect the project.

3. **Proposed measures to reduce or control emissions or other impacts to air, if any.**

To reduce air emissions during construction, the contractor would implement some or all of the following measures, as appropriate:

- Covering all transported loads of soil and wet materials before transport.
- Providing wheel washes, where feasible, to reduce dust and mud carried off-site by vehicles and to decrease particulate matter on area roadways.
- Routing and scheduling high volumes of construction traffic, where practicable, to reduce additional congestion during peak travel periods and reduce carbon monoxide, nitrogen oxide and carbon dioxide emissions.
- Requiring appropriate emissions-control devices on all construction equipment powered by gasoline or diesel fuel to reduce carbon monoxide and nitrogen oxide emissions in vehicular exhaust.
- Using well-maintained heavy equipment to reduce carbon monoxide and nitrogen oxide emissions, which may also reduce greenhouse gas emissions.
- Implementing idling restrictions for construction trucks.

Implementation of the type of best practices listed above would reduce construction air emissions, and no further actions would be needed to address air emissions. Operations of the project are not expected to result in any new air quality impacts or worsen the severity of any existing exceedances of any applicable air quality regulations. Therefore, no measures to reduce or control emissions or other impacts to air are proposed.

Water

1. **Surface Water**
   a. **Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes, ponds, wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

The Watershed Company has identified (and DEA has verified) one category III

D.Folsom 9/11/24

D.Folsom 4/11/23

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palustrine emergent / palustrine forested wetland located along the eastern edge of the subject parcel along the Eastrail Trail. This wetland appears to receive water from runoff, stormwater retention ponds, and a stormwater ditch.

b. Will the project require any work over, in or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.

Yes. Approximately 226 square feet of direct wetland impacts, and 19,309 square feet of wetland buffer impacts will result from constructing the trail. A retaining wall will be installed on the north side of the larger loop, and may further impact the buffer through habitat fragmentation.

Type of Impact	Size (sq. ft.)
Permanent Wetland Impact	226
Temporary Wetland Impact	268
Permanent Wetland Buffer Impact	8,753
Temporary Wetland Buffer Impact	10,556

c. Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of the fill material.

Fill will be approximately 2.48 cubic yards of fine compost (soil amendment).

d. Will the proposal require surface water withdrawals or diversions? Give a general description, purpose, and approximate quantities, if known.

No.

e. Does the proposal lie within a 100-year floodplain? Is no, note the location on the site plan.

No.

f. Does the proposal involve any discharges of waste materials to surface waters? If so, describe the type of waste and anticipated volume of discharge.

No.

D.Folsom 4/11/23

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2. **Ground Water**
   a. **Will groundwater be withdrawn from a well for drinking water or other purposes? If so, give a general description of the well, proposed uses and approximate quantities withdrawn from the well. Will water be discharged to groundwater? Give general description, purpose, and approximate quantities if known.**

No.

   b. **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals…; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

None.

3. **Water Runoff (including stormwater)**
   a. **Describe the source of runoff (including storm water) and method of collection and disposal, if any (include quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

The source of runoff will be from the proposed trail. The stormwater will be dispersed into the landscaping areas. The runoff is not anticipated to flow into other water. The area of the project is contained within Threshold Drainage Area (TDA) #1. This TDA ultimately drains to Kelsey Creek West Tributary. (For more information, see ***Eastrail Storm Drainage Report***.) The southern quarter of the project site is shown in the Sturtevant Creek basin.

   b. **Could waste materials enter ground or surface waters? If so, generally describe.**

D.Folsom 4/11/23
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Waste materials are not likely to enter ground or surface waters. The soils within the project site are considered partially infeasible for infiltration according to the City of Bellevue's *Infiltration Feasibility Map* as represented in the ***Eastrail Storm Drainage Report***. Further analysis of the soil conditions and infiltration feasibility was completed and documented in the Geotechnical Report dated 1/6/23 (see ***Geotechnical Report***.) During construction, the contractor would be required to follow the City of Bellevue's *Storm and Surface Water Maintenance Standards Manual*, and use all known, available, and reasonable source control BMPs. The city has prepared a *Construction Stormwater Prevention Plan* (CSWPP) as part of the Clear and Grade permit.

c. Does the proposal alter or otherwise affect drainage patterns in the vicinity of the site? If so, describe.

The project does not interfere with any existing natural drainage system or stormwater outfalls. Existing drainage systems will be maintained.

d. Indicate any proposed measures to reduce or control surface, ground and runoff water, and drainage pattern impacts, if any.

Stormwater runoff shall be properly discharged during construction to avoid erosion. As described in response to Question C.2, above, the contractor would be required to use all known, available, and reasonable source control BMPs to prevent spills from reaching the storm drain during construction. The Sheet Flow Dispersion BMP into the proposed landscaping areas adjacent to the trail will be used to control the flow of stormwater from the trail.

Plants

1. Check the types of vegetation found on the site:

- ☒ deciduous tree: alder, maple, aspen, other
- ☒ evergreen tree: fir, cedar, pine, other
- ☒ shrubs
- ☒ grass
- ☐ pasture
- ☐ crop or grain
- ☐ orchards, vineyards, or other permanent crops
- ☒ wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other
- ☐ water plants: water lily, eelgrass, milfoil, other
- ☐ other types of vegetation: Himalayan blackberry

D.Folsom 9/11/24

D.Folsom 4/11/23

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2. **What kind and amount of vegetation will be removed or altered?**

Up to 54 overstory trees and understory vegetation will be removed. Approximately 226 square feet of wetland vegetation will be permanently removed for construction of the trail. Approximately 19,309 square feet of wetland buffer will be temporarily or permanently affected by construction of the trail. A minimum of 109 new trees would be planted.

3. **List any threatened and endangered species known to be on or near the site.**

No threatened or endangered plant species are known to be on or near the site.

4. **Proposed landscaping, use of native plants or other measures to preserve or enhance vegetation on the site, if any.**

The project would employ City of Bellevue guidelines for tree protection standards. Planting of vegetation would comply with City of Bellevue regulations pertaining to replacement plantings. The City of Bellevue requires replacement plantings in a ratio based upon the diameter size of the trees removed and regulates planting trees in the City of Bellevue municipal code (BMC) 20.20.900.

5. **List all noxious weeds and invasive species known to be on or near the site.**

The occurrence of noxious weeds and invasive species is limited to non-landscaped areas on the project site. Species include Himalayan blackberry, English ivy, and reed canary grass.

Animals

1. **List any birds and other animals which have been observed on or near the site or are known to be on or near the site. Examples include:**

☒ Birds: hawk, heron, eagle, songbirds, other:

☐ Mammals: deer, bear, elk, beaver, other:

☐ Fish: bass, salmon, trout, herring, shellfish, other:

2. **List any threatened and endangered species known to be on or near the site.**

Several threatened and endangered species are listed on the U.S. Fish and Wildlife Service IPaC list for this project, including north American wolverine, bull trout, marbled murrelet, streaked horned lark, yellow-billed cuckoo, and monarch butterfly. None of these species are expected to occur in or near the project site due to lack of suitable habitat and a high level of human disturbance.

D.Folsom 4/11/23

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The proposed project would have no effect on any listed species that could occur near the project.

3. **Is the site part of a migration route? If so, explain.**

The project site is within the Pacific Flyway, a migratory corridor consisting of the western coastal areas of South, Central and North America. Although the proposed project will span the wetland that is located adjacent to the Eastrail Trail, it is not anticipated to impact migratory birds as construction will be limited in duration and impacts to the wetland will be minimal.

4. **Proposed measures to preserve or enhance wildlife, if any.**

No measures are needed.

5. **List any invasive animal species known to be on or near the site.**

None known.

Energy and Natural Resources

1. **What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.**

The project would require electricity for trailside lighting.

2. **Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.**

No.

3. **What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any.**

All new luminaires will be LED.

Environmental Health

1. **Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill, or hazardous waste, that could occur as a result of this proposal? If so, describe.**

D.Folsom 9/11/24

D.Folsom 4/11/23

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During construction, there is potential to encounter hazardous materials from contaminated soils or water. Sources of contamination could involve areas within the project limits or adjoining properties, either of which could result in risks of exposure to toxic chemicals.

Potential also exists for the accidental release of hazardous materials to the environment, either by construction activities in locations where hazardous materials already exist, or from release of hazardous materials utilized during construction. Encountering or accidental release of hazardous materials during construction could result in near-term risks to human health or the environment, or could create potential long-term liabilities. The most likely types of hazardous materials that could potentially be encountered during construction include petroleum hydrocarbons, metals, solvents and pesticides.

Risk of fire or explosion is extremely unlikely, but fire or explosion could theoretically occur in the event of unanticipated utility interactions, such as damaged power lines interacting with flammable materials, such as oil or gasoline. Operation and maintenance of the project are not expected to generate environmental health hazards. See **Hazardous Materials Memorandum** for more information.

a. Describe any known or possible contamination at the site from present or past uses.

No known or possible contamination is present at the site. Potential contamination sites within one block of the project site are identified in the **Hazardous Materials Memorandum.**

b. Describe existing hazardous chemicals/conditions that might affect project development and design. This includes underground hazardous liquid and gas transmission pipelines located within the project area and in the vicinity.

Hazardous chemicals or conditions that could affect project development and design include those discussed in response to Question B 7 a, above. The known and suspected contamination described in response to Question B 7 a (1) would be assessed before or during construction as needed. If project construction involves these properties, design measures would be implemented to prevent unintentional alteration of contaminant migration pathways.

c. Describe any toxic or hazardous chemicals that might be stored, used, or produced during the project's development or construction, or at any time during the operating life of the project.

D.Folsom 9/11/24

D.Folsom 4/11/23

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During construction, vehicles may be refueled or maintained on-site, creating the potential for spills due to the storage and use of potentially toxic or hazardous chemicals. Storage and on-site transfer of petroleum products, oil or grease could occur. Heavy equipment malfunctions, such as hydraulic or fuel line ruptures, could occur. Hazardous materials, including but not limited to paints, acids for cleaning, solvents, raw concrete, and concrete-curing compounds, could be used during construction activities. Construction equipment or vehicles could potentially track and spread contaminated soils off-site, unless properly managed. No toxic or hazardous chemicals would be stored, used, or produced on the project site during project operation.

d. Describe special emergency services that might be required.

No special emergency services are expected to be required as a result of project construction or operation.

e. **Proposed measures to reduce or control environmental health hazards, if any**.

The City of Bellevue and its contractor would reduce the potential for environmental health hazards associated with hazardous materials by following due diligence processes that would evaluate and, as necessary, mitigate potential impacts identified. During construction, contractors would be required to comply with all applicable health and safety regulations, including State of Washington Department of Labor and Industries General Occupational Health Standards, Chapter 296-62 Washington Administrative Code (WAC), and General Safety and Health Standards, Chapter 296-24 WAC. Throughout project construction, procedures would be implemented to identify, characterize, manage, handle, store and dispose of contaminated soil and groundwater that are encountered. If unanticipated soil or groundwater contamination are encountered, remediation of those materials would occur as needed and in coordination with Ecology.

2. Noise

a. What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)?

The main source of noise on the project site is traffic on NE 12th St, NE Spring Blvd, and the Sound Transit facility to the east of the Eastrail Trail. No existing sources of noise would affect the project.

b. What types and levels of noise would be created by or associated with the project on a short-term or a long-term basis (for example: traffic,

D.Folsom 4/11/23

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construction, operation, other)? Indicate what hours noise would come from the site.

In the short term, noise would occur due to construction. Construction is expected to occur mainly during daytime hours. Noise impacts due to the project are expected to be minor and would no longer be present after construction. The project would not produce a new source of noise after construction.

c. Proposed measures to reduce or control noise impacts, if any.

Construction of the proposed project would comply with the City of Bellevue municipal code. According to Bellevue Municipal Code (BMC) 9.18.020 (C), sounds from temporary construction activities may exceed the maximum permissible noise levels between the hours of 7 a.m. and 6 p.m. on weekdays, and 9:00 a.m. and 6:00 p.m. on Saturdays which are not legal holidays.

Land and Shoreline Uses

1. **What is the current use of the site and adjacent properties? Will the proposal affect current land uses on nearby or adjacent properties? If so, describe.**

The site is currently a vegetated vacant lot. Adjoining property to the west is used as utilities (an electrical substation); adjoining property to the north is vacant land; adjoining property to the south is a roadway (NE 12th St); adjoining property to the east is used as recreation (the Eastrail Trail) and the Sound Transit OMF East facility. The project would not affect land uses on nearby or adjacent properties to the north, south, and west. The project would enhance pedestrian and bicycle use of the Eastrail Trail to the east of the proposed project as well as non-motorized connections to downtown Bellevue.

2. **Has the project site been used as working farmlands or working forest lands? If so, describe. How much agricultural or forest land of long-term commercial significance will be converted to other uses as a result of the proposal, if any? If resource lands have not been designated, how many acres in farmland or forest land tax status will be converted to non- farm or non-forest use?**

The project site has not been used in recent history as working farmlands or working forest lands. No agricultural or forest land of long-term commercial significance would be converted to other uses as a result of this project.

a. Will the proposal affect or be affected by surrounding working farm or forest land normal business operations, such as oversize equipment access, the application of pesticides, tilling and harvesting? If so, how?

D.Folsom 9/11/24

D.Folsom 4/11/23

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With no working farms or forests on or near the project site, there would be no such impacts to or by the project.

3. **Describe any structures on the site.**

The only existing structure on the site is a fence adjacent to the existing Eastside Trail corridor.

4. **Will any structures be demolished? If so, what?**

No structures will be demolished. A fence will be removed to tie the new trail segment into the existing Eastrail Trail.

5. **What is the current zoning classification of the site?**

According to its online map viewer, the City of Bellevue has zoned the southern tip of the property as Office (BR-MO) and the majority of the property as Medical Institution (MI).

6. **What is the current comprehensive plan designation of the site?**

According to its August, 2019 Comprehensive Plan Generalized Comprehensive Plan Land Use Designations Map, the City of Bellevue has designated the project study area as Medical (City of Bellevue, 2019a).

7. **If applicable, what is the current shoreline master program designation of the site?**

The project site is not designated as a Shoreline Environment, according to the City of Bellevue Shoreline Master Program Map (City of Bellevue, 2019b), and is therefore not within the jurisdiction of the City of Bellevue Shoreline Master Program.

8. **Has any part of the site been classified as a critical area by the city or county? If so, specify.**

The site is not currently mapped as a critical area, but see the **Critical Area Report**, for a summary of the on-site wetland identified during project development.

9. **Approximately how many people would reside or work in the completed project?**

D.Folsom 4/11/23

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None.

10. Approximately how many people would the completed project displace?

None.

11. Proposed measures to avoid or reduce displacement impacts, if any.

No measures are needed because no displacements would occur.

12. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any.

No measures are required. The project is compatible with existing and projected land uses and plans.

13. Proposed measures to ensure the proposal is compatible with nearby agricultural and forest lands of long-term commercial significance, if any.

No measures are required. The project is not near and would not affect or be affected by agricultural or forest lands of long-term significance.

Housing

1. **Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing.**

   None.

2. **Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing.**

   None.

3. **Proposed measures to reduce or control housing impacts, if any.**

   The project would not result in any housing impacts. No measures are required.

Aesthetics

1. **What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?**

D.Folsom 9/11/24

D.Folsom 4/11/23

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The proposed retaining wall would be a geosynthetic fill wall supporting the 14-feet wide trail. It will be approximately 508-feet long and has a maximum retained height of approximately 22 feet. No buildings or other structures will be constructed for this project.

2. **What views in the immediate vicinity would be altered or obstructed?**

After construction, views would be slightly different compared to existing conditions due to the new project features. The trail would be visible by pedestrians walking adjacent to NE 12th Street. No regional views would be altered or obstructed in the long run.

3. **Proposed measures to reduce or control aesthetic impacts if any**

No measures are necessary because no adverse aesthetic impacts would occur.

Light and Glare

1. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**

Light generated by the project would include only appropriate roadway and shared use path illumination at nighttime. No adverse glare impacts are expected.

2. **Could light or glare from the finished project be a safety hazard or interfere with views?**

No.

3. **What existing off-site sources of light or glare may affect your proposal?**

No existing sources of off-site light or glare have been identified that would affect the project.

4. **Proposed measures to reduce or control light and glare impacts, if any.**

No measures are necessary because no light or glare impacts are expected.

Recreation

1. **What designated and informal recreational opportunities are in the immediate vicinity?**

D.Folsom 9/11/24

D.Folsom 4/11/23

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There are no recreational opportunities in the immediate vicinity of the project, other than the Eastrail Trail and sidewalks adjacent to NE 12th and other local streets. In the future, the Eastrail Trails will be a recreational and commuter connection between Renton north to Snohomish County. The Bellevue segment of the trail is incomplete.

2. **Would the proposed project displace any existing recreational uses? If so, describe.**

   No. The proposed project would enhance the connectivity of the Eastrail Trail.

3. **Proposed measures to reduce or control impacts on recreation, including recreation opportunities to be provided by the project or applicant, if any.**

   No measures are needed.

Historic and Cultural Preservation

1. **Are there any buildings, structures or sites located on or near the site that are over 45 years old listed in or eligible for listing in national, state, or local preservation registers located on or near the site? If so, specifically describe.**

   No.

2. **Are there any landmarks, features, or other evidence of Indian or historic use or occupation? This may include human burials or old cemeteries. Are there any material evidence, artifacts, or areas of cultural importance on or near the site? Please list any professional studies conducted at the site to identify such resources.**

   No.

3. **Describe the methods used to assess the potential impacts to cultural and historic resources on or near the project site. Examples include consultation with tribes and the department of archeology and historic preservation, archaeological surveys, historic maps, GIS data, etc.**

   An Area of Potential Effect letter was created and provided to the WSDOT Local Programs Archeologist. Further coordination with the Local Programs Archeologist resulted in a determination of no effect.

D.Folsom 4/11/23

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4. **Proposed measures to avoid, minimize or compensate for loss, changes to and disturbance to resources. Please include plans for the above and any permits that may be required.**

The City of Bellevue has created a Plan and Procedures for the Unanticipated Discovery of Cultural Resources and Human Skeletal Remains.

Transportation

1. **Identify public streets and highways serving the site or affected geographic area and describe proposed access to the existing street system. Show on site plans, if any.**

Streets serving the site include NE Spring Blvd and NE 12th St. After construction, access to the project area would remain the same as existing conditions.

2. **Is the site or affected geographic area currently served by public transit? If so, generally describe. If not, what is the approximate distance to the nearest transit stop?**

King County Metro routes 226 and 250 sere the project area. The nearest bus stop for both of these routes is located approximately 390 feet away on the corner of 116th Ave NE and NE 12th St. Operation of this bus stop will not be affected by construction or operation of the proposed project.

Sound Transit is constructing a light rail station at Spring Street, between 120th and 124th.

3. **How many additional parking spaces would the completed project or non-project proposal have? How many would the project or proposal eliminate?**

No.

4. **Will the proposal require any new or improvements to existing roads, streets, pedestrian, bicycle, or state transportation facilities, not including driveways? If so, generally describe (indicate whether public or private).**

The project would create a new bicycle/pedestrian trail. It would connect to the existing Eastrail Trail adjacent to the subject property west of the Sound Transit OMF East facility. There would be temporary use of the entry drive to the PSE substation to access the site.

5. **Will the project or proposal use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe.**

D.Folsom 4/11/23

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No.

6. **How many vehicular trips per day would be generated by the completed project or proposal? If known, indicate when peak volumes would occur and what percentage of the volume would be trucks (such as commercial and non-passenger vehicles). What data or transportation models were used to make these estimates?**

   The project would not result in increased volumes of vehicular trips.

7. **Will the proposal interfere with, affect, or be affected by the movement of agricultural and forest products on roads or streets in the area? If so, generally describe.**

   No.

8. **Proposed measures to reduce or control transportation impacts, if any.**

   No measures are needed.

Public Service

1. **Would the project result in an increased need for public services (for example: fire protection, police protection, public transit, health care, schools, other)? If so, generally describe.**

   No.

2. **Proposed measures to reduce or control direct impacts on public services, if any.**

   No measures are needed.

Utilities

1. **Check the utilities currently available at the site:**

☒ Electricity
☐ Natural Gas
☒ Water
☐ Refuse Service
☒ Telephone
☒ Sanitary Sewer

D.Folsom 9/11/24

D.Folsom 4/11/23

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☐ Septic System

☒ Other: Irrigation Water

2. **Describe the utilities that are proposed for the project, the utility providing the service and the general construction activities on the site or in the immediate vicinity which might be needed.**

The following utility providers are located within the project site and serve the properties adjacent to the project site:

- Bellevue Utilities Department provides water, wastewater, and stormwater services.
- Puget Sound Energy provides electric services.
- Allstream/Starcom provided communication through project site.

Republic Services provides solid waste and recycling services to the project area

Signature

The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

Signature: _____

Name of signee: Chris Masek

Position and Agency/Organization: Design Engineering Manager, City of Bellevue

Date Submitted: February 17, 2023

D.Folsom 4/11/23

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CITY OF BELLEVUE
TRANSPORTATION DEPARTMENT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ACTING CITY MANAGER
DIANE CARLSON

MAYOR
LYNNE ROBINSON

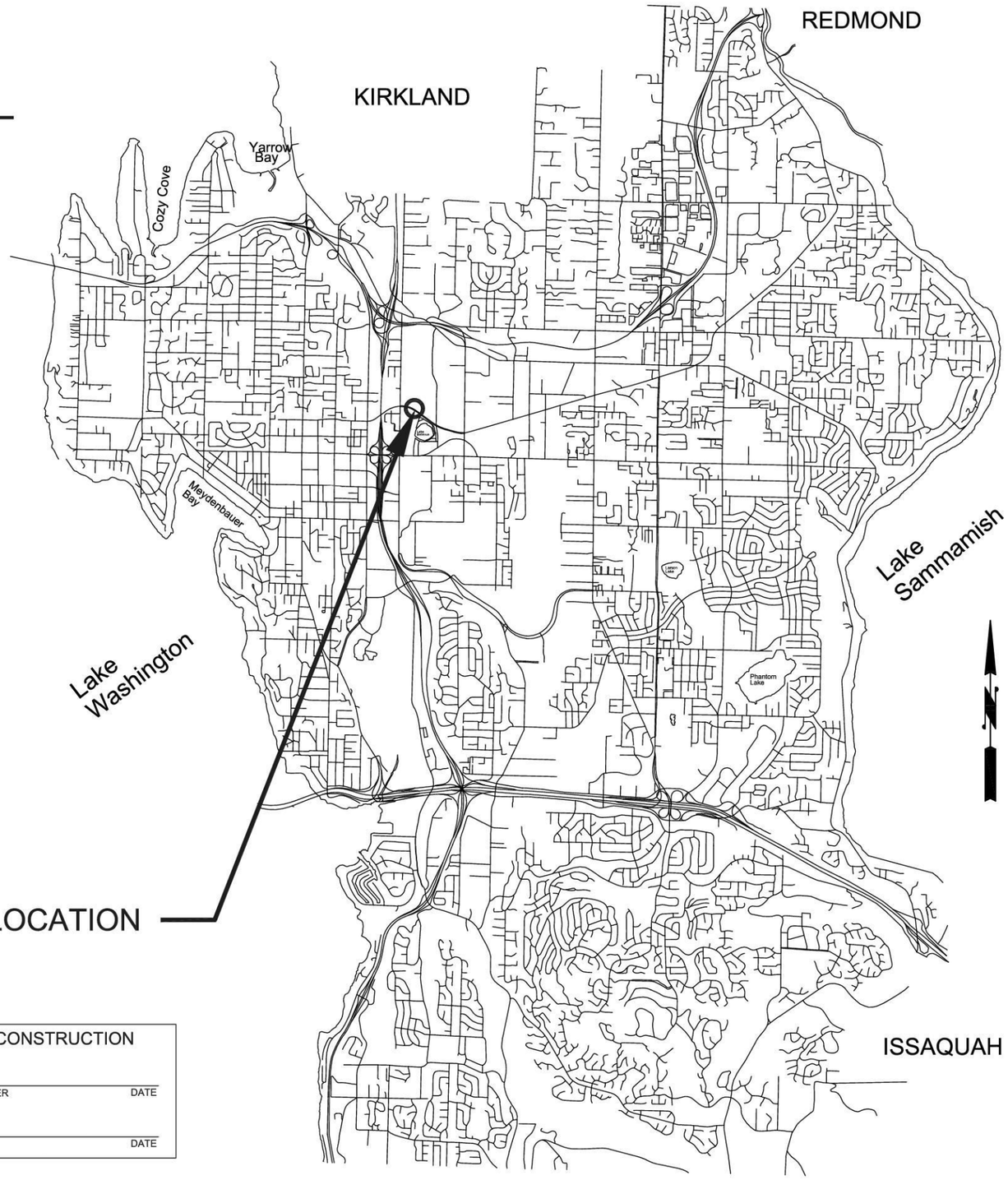
DIRECTOR OF TRANSPORTATION
ANDREW SINGELAKIS

DEPUTY MAYOR
MO MALAKOUTIAN

CITY COUNCIL
DAVE HAMILTON
CONRAD LEE
JARED NIEUWENHUIS
JOHN STOKES
JANICE ZAHN

SCHEDULE OF DRAWINGS

REF. NO.	SHEET	DRAWINGS
-	1	COVER SHEET
GEN01	2	LEGEND & GENERAL NOTES
TS01	3	TYPICAL SECTIONS
DT01-DT04	4-7	DETAILS
AF01	8	ARTWORK FOUNDATION DETAILS
SP01-SP02	9-10	SITE PREPARATION AND ESC PLANS
TP01-TP03	11-13	TRAIL PLAN AND PROFILE
UT01-UT03	14-15	UTILITY PLANS
WA01-WA06	16-21	WALL PLAN, PROFILE AND DETAILS
WA07-WA08	22-23	RAILING AND CABLE FENCE DETAILS
WA09-WA11	24-26	WALL FINISHES
CP01-CP02	27-28	ELECTRICAL, SIGNING AND CHANNELIZATION PLAN
IR01-IR04	29-32	IRRIGATION PLANS, SCHEDULE AND DETAILS
LA01-LA04	33-36	WETLAND MITIGATION PLANS, SCHEDULE AND DETAILS
LA05-LA06	37-38	LANDSCAPING PLANS, SCHEDULE AND DETAILS
TCP01-TCP02	39-40	TRAFFIC CONTROL PLANS
-		RIGHT OF WAY PLANS



C.I.P. NUMBER G-103
BID NUMBER 24XXX
FEDERAL AID NUMBER XXXXX

APPROVED FOR CONSTRUCTION

TRANSPORTATION DESIGN MANAGER DATE

PROJECT MANAGER DATE

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CONSTRUCTION LEGEND

X	CONSTRUCTION NOTE
SXX	SIGN NOTE
X	DRAINAGE NOTE
X	WATER NOTE
X	CHANNELIZATION NOTE
X	SITE PREPARATION NOTE
X	TRAIL/SIDEWALK LAYOUT POINT
RX	CURB RETURN DATA POINT
	CONSTRUCTION CENTERLINE
	CITY OF BELLEVUE RIGHT-OF-WAY
	WSDOT LIMITED ACCESS
	PROPERTY LINE
	EASEMENT
CUT	APPROX. CUT LINE
FILL	APPROX. FILL LINE
CG	APPROX. CLEAR AND GRUB LIMITS
	CURB
	ROCK WALL
P	POWER
SD	STORM DRAIN
W	WATER LINE
SS	SANITARY SEWER
G	GAS LINE
COM	COMMUNICATION LINE
UGT	TELEPHONE LINE
UGTV	CABLE TV LINE
UGFO	FIBER OPTIC CABLE
	EXISTING CONCRETE TO BE REMOVED
	EXISTING ASPHALT TO BE REMOVED
	NEW WALL
	NEW HMA TRAIL
	NEW CONCRETE

EXISTING	PROPOSED	
		WOOD FENCE
		SIGN
		UTILTY POLE
	P	POWER VAULT
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		CATCH BASIN
		FIRE HYDRANT
		WATER METER
		WATER VALVE
		GAS VALVE
		SANITARY SEWER MANHOLE
		CABLE TELEVISION OR TELEPHONE RISER
		DECIDUOUS TREE
		SHRUB
		CONIFER TREE

ELECTRICAL LEGEND

X	SIGNAL POLE STANDARD NUMBER
X	SIGNAL NOTE
X	CONDUIT RUN NUMBER

EXISTING	PROPOSED	
		CONDUIT
		JUNCTION BOX TYPE 1
		JUNCTION BOX TYPE 2
		JUNCTION BOX TYPE 2 MODIFIED (COMMUNICATION)
		JUNCTION BOX TYPE 8
		LARGE COMMUNICATION JUNCTION BOX
		FIBER OPTIC VAULT
		LUMINAIRE POLE
		SERVICE CABINET

TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN 10 FOOT MINIMUM TRAVEL LANES.
2. ALTERNATING TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
3. TRAFFIC CONTROL PLANS HAVE BEEN PROVIDED FOR USE ON THIS PROJECT. THE CONTRACTOR SHALL SUBMIT PROJECT SPECIFIC TRAFFIC CONTROL PLANS FOR OPERATIONS THAT DIFFER FROM THE PLANS PROVIDED FOR APPROVAL BY THE CITY AT LEAST 14 DAYS PRIOR TO START OF CONSTRUCTION.
4. THE HOURS FOR CONSTRUCTION ACTIVITY, LANE CLOSURES, OR ACTIVITIES THAT IMPEDE OR MAY POTENTIALLY IMPEDE TRAFFIC SHALL BE ESTABLISHED THROUGH THE APPROVAL PROCESS FOR EACH INDIVIDUAL TEMPORARY TRAFFIC CONTROL PLAN FOR EACH SPECIFIC ACTIVITY. THE WORK HOURS SHALL BE AS STATED ON THE TEMPORARY TRAFFIC CONTROL PLAN OR SHALL BE COMMUNICATED BY THE INSPECTOR ASSIGNED TO THE PROJECT. THE HOURS FOR CONSTRUCTION ACTIVITY IN THE RIGHT OF WAY THAT DOES NOT IMPEDE TRAFFIC SHALL BE MONDAY THROUGH FRIDAY, 7:00AM TO 6:00PM.
5. PEDESTRIAN ACCESS SHALL BE NOT BE IMPEDED. CLOSED TRENCHES, TEMPORARY PAVING SURFACES AND PEDESTRIAN ROUTES SHALL HAVE A STABLE, FIRM AND SLIP RESISTANT WALKING SURFACE MADE EVEN WITH THE SURROUNDING SURFACES. COMPACTED GRAVEL IS NOT CONSIDERED AN ACCEPTABLE WALKING SURFACE.

GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. POTHOLING INFORMATION OBTAINED DURING DESIGN CAN BE FOUND IN APPENDIX G OF THE PROJECT SPECIFICATIONS.
3. DRIVEWAY ACCESS MUST BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE AGREED TO BY THE CITY OF BELLEVUE

DATUM

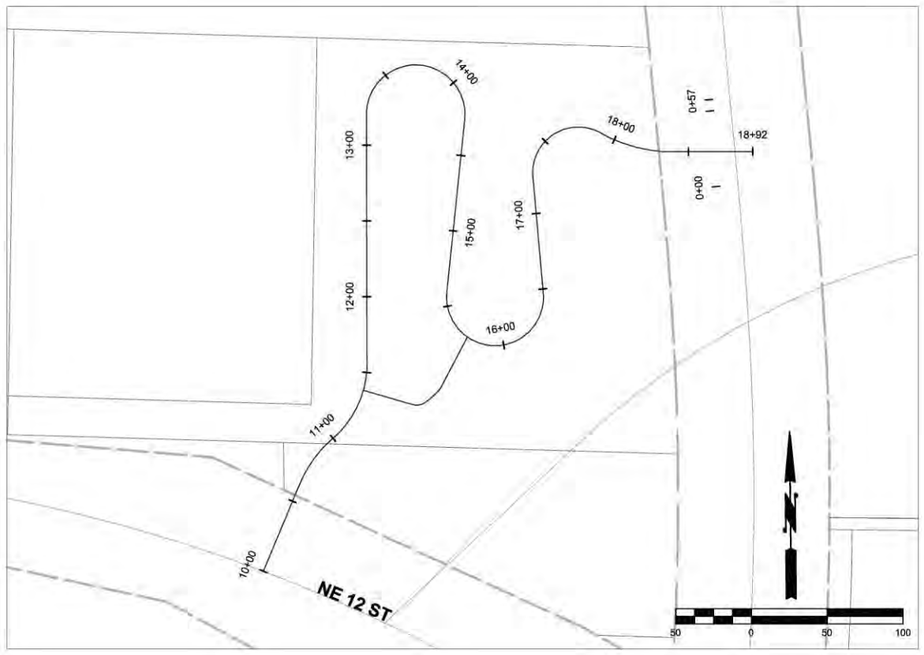
SURVEY CONTROL

MONUMENT H5294
NORTHING 230003.922
EASTING 1307443.202
CITY OF BELLEVUE 1/2" DIAM BRASS PLUG IN CONCRETE MONUMENT AT THE INTERSECTION OF NE 12 ST AND 116 AVE NE

MONUMENT H1647
NORTHING 230100.336
EASTING 1308936.533
CITY OF BELLEVUE BRASS CAP INTERSECTION OF NE 12 ST AND NE SPRING BLVD

TRAIL CONSTRUCTION CENTERLINE ALIGNMENT

STATION	PC/PT	DISTANCE LENGTH	RADIUS	BEARING/DELTA	NORTHING	EASTING
10+00.00	-	61.86		N22° 40' 43" E	499344.11	497790.68
10+61.86	PC	37.33	80	26° 43'58"	499401.20	497814.53
10+99.19	PT/PC	60.36	65	53 12'25"	499431.29	497836.04
11+59.55	PT	159.50		N0° 06' 12" W	499484.76	497859.04
13+19.06	PC	107.52	32.5	189° 31'11"	499644.27	497858.76
14+26.57	PT	113.05		S5° 53' 12" W	499641.66	497923.49
15+39.63	PC	106.38	32	190° 28'21"	499529.21	497911.87
16+46.01	PT	79.81		N5° 07' 02" W	499526.31	497975.54
17+25.82	PC	62.91	30	120° 08'43"	499605.81	497968.42
17+88.73	PT/PC	46.67	95	28° 08'43"	499633.84	498012.12
18+35.39	PT	57.01		N89° 55' 56" E	499620.91	498056.57



NO.	DATE	BY	APPR.	REVISIONS

C. Masek 02/24 DESIGNED BY DATE
C. Masek 02/24 DRAWN BY DATE
C. Masek 02/24 CHECKED BY DATE

City of Bellevue
Transportation Department

2/1/24
CHRISTOPHER D. MASEK 45858 STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER

EASTRAIL TO NE SPRING BLVD TRAIL LINK

LEGEND, GENERAL NOTES, & SURVEY CONTROL

GEN01 SHT 2 OF 40

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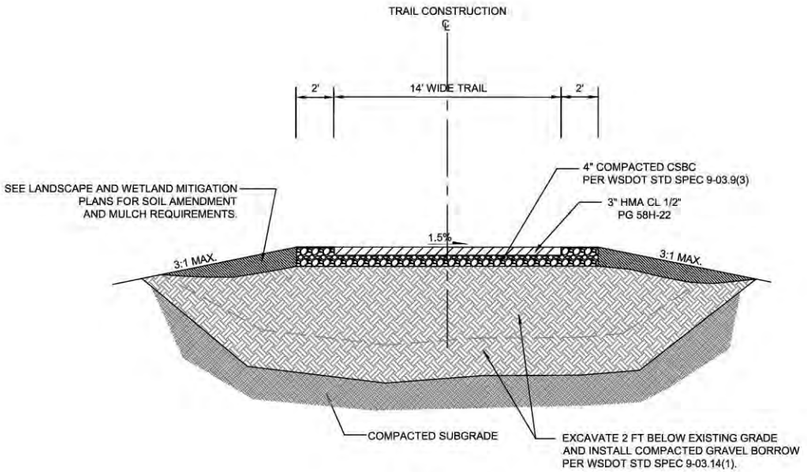
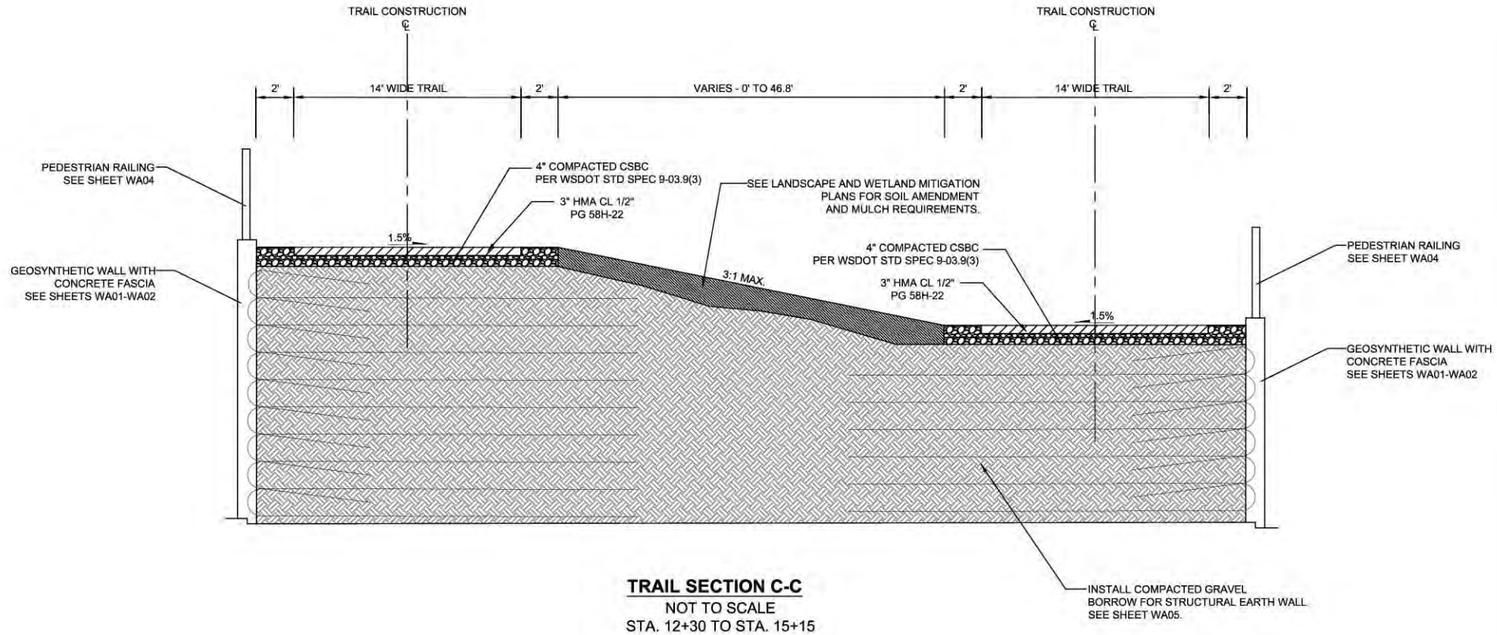
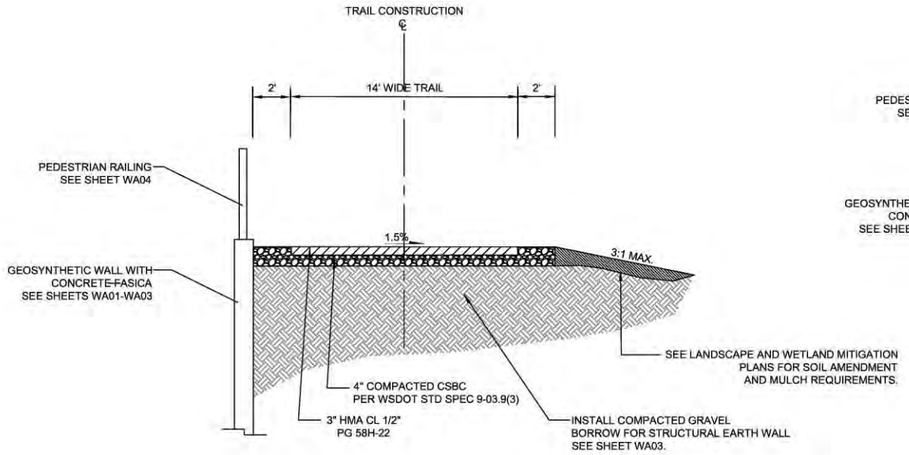


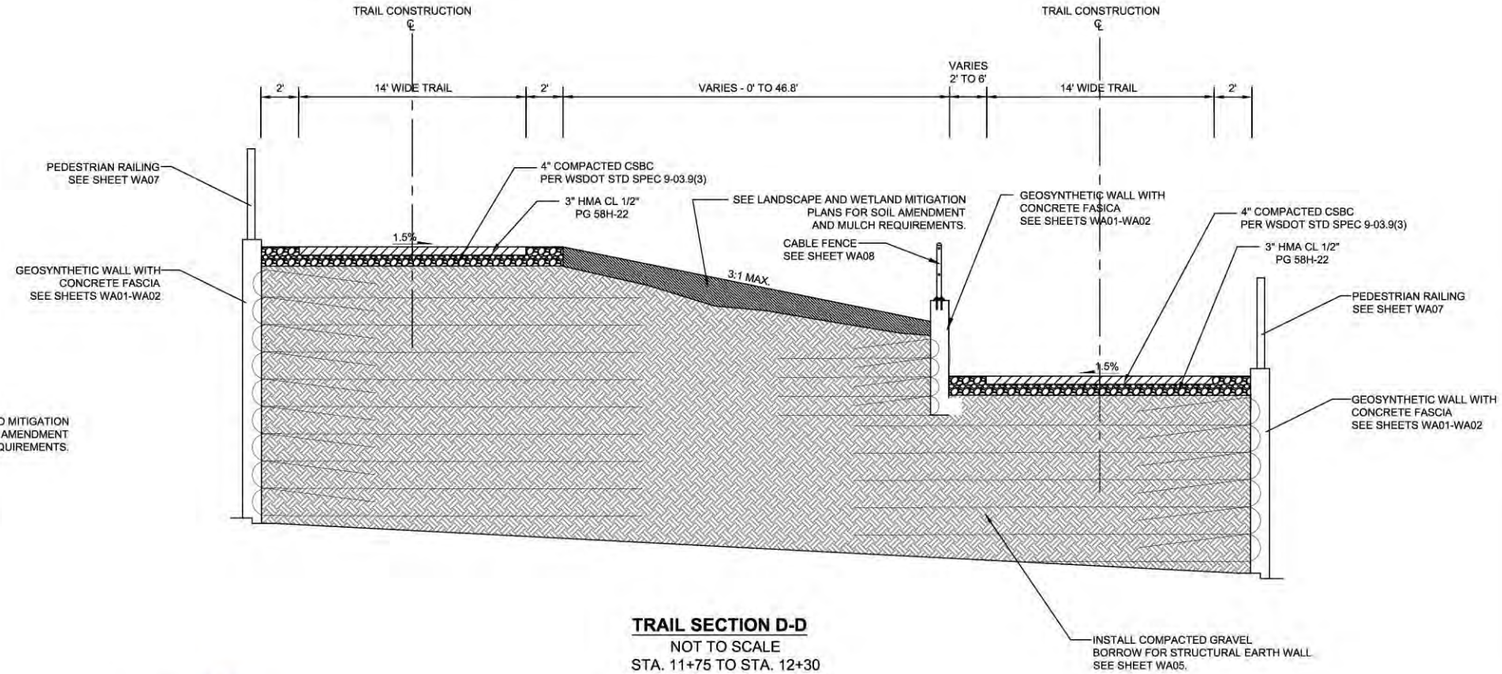
TRAIL SECTION A-A
NOT TO SCALE
STA. 10+62 TO STA. 10+80
STA. 15+75 TO STA. 18+75



TRAIL SECTION C-C
NOT TO SCALE
STA. 12+30 TO STA. 15+15



TRAIL SECTION B-B
NOT TO SCALE
STA. 10+80 TO STA. 11+75



TRAIL SECTION D-D
NOT TO SCALE
STA. 11+75 TO STA. 12+30
STA. 15+15 TO STA. 15+73.5

NO.	DATE	BY	APPR	REVISIONS

C. Masek 02/24 DESIGNED BY DATE
C. Masek 02/24 DRAWN BY DATE
C. Masek 02/24 CHECKED BY DATE

City of Bellevue
Transportation Department

2/7/24
CHRISTOPHER D. MASEK
STATE OF WASHINGTON
45856
REGISTERED
PROFESSIONAL ENGINEER

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TYPICAL SECTIONS

TS01 SHT 3 OF 40

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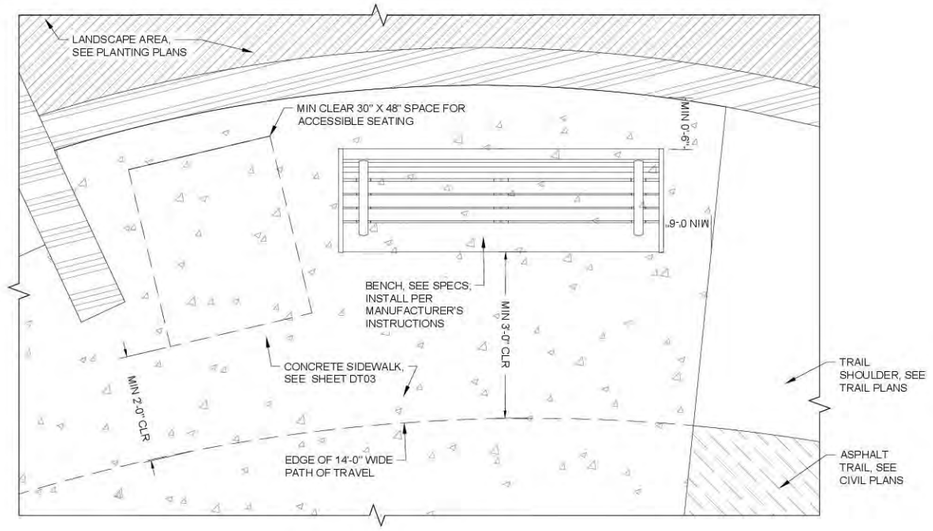
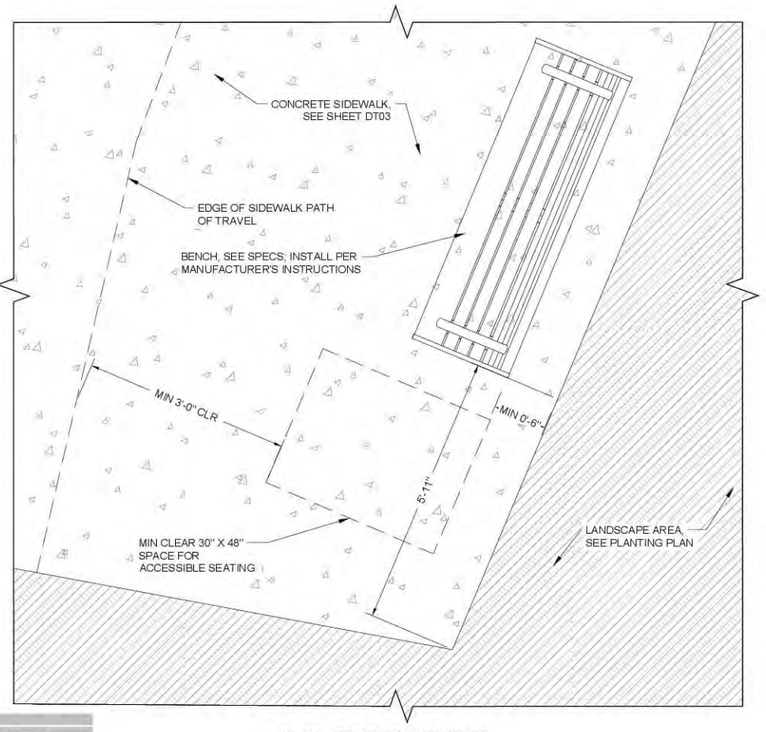
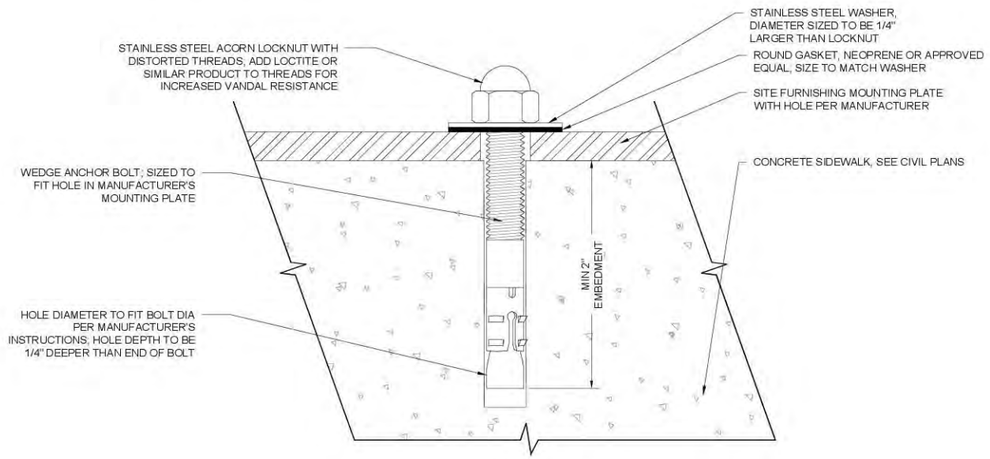


PLAN - STA 15+16.2 (VICINITY)



PLAN - STA 10+61.8 (VICINITY)

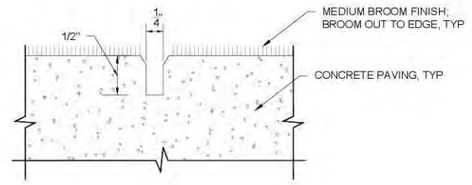


SURFACE MOUNTING

NOT TO SCALE

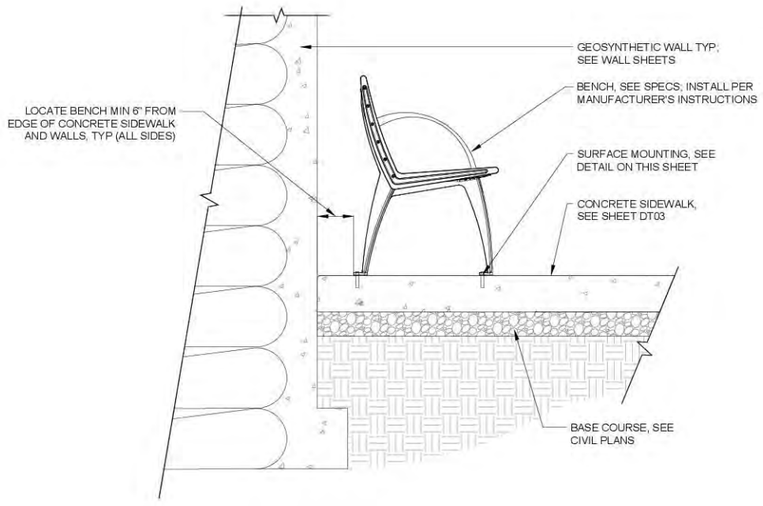
NOTES:

1. SCORE JOINT SHALL BE A SAWCUT JOINT WITH CLEAN CHAMFER EDGE AS SHOWN. USE SOFF-CUT PROEDGE BEVELED BLADE PROFILE XL-V21 OR APPROVED EQUAL, TYP.
2. SEE SHEET DT-03 FOR JOINT LAYOUT.



SCORE JOINT

NOT TO SCALE



SECTION - STA 15+16.2 AND 10+61.8 (VICINITY)

BENCH INSTALLATION

NOT TO SCALE

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG	01/24
DESIGNED BY	DATE
S. ARORA	01/24
DRAWN BY	DATE
A. LUOMA	01/24
CHECKED BY	DATE

City of Bellevue
Transportation Department

EASTRAIL TO NE SPRING BLVD TRAIL LINK

PAVING AND SITE FURNISHING DETAILS

DT04 | SHT 7 OF 40

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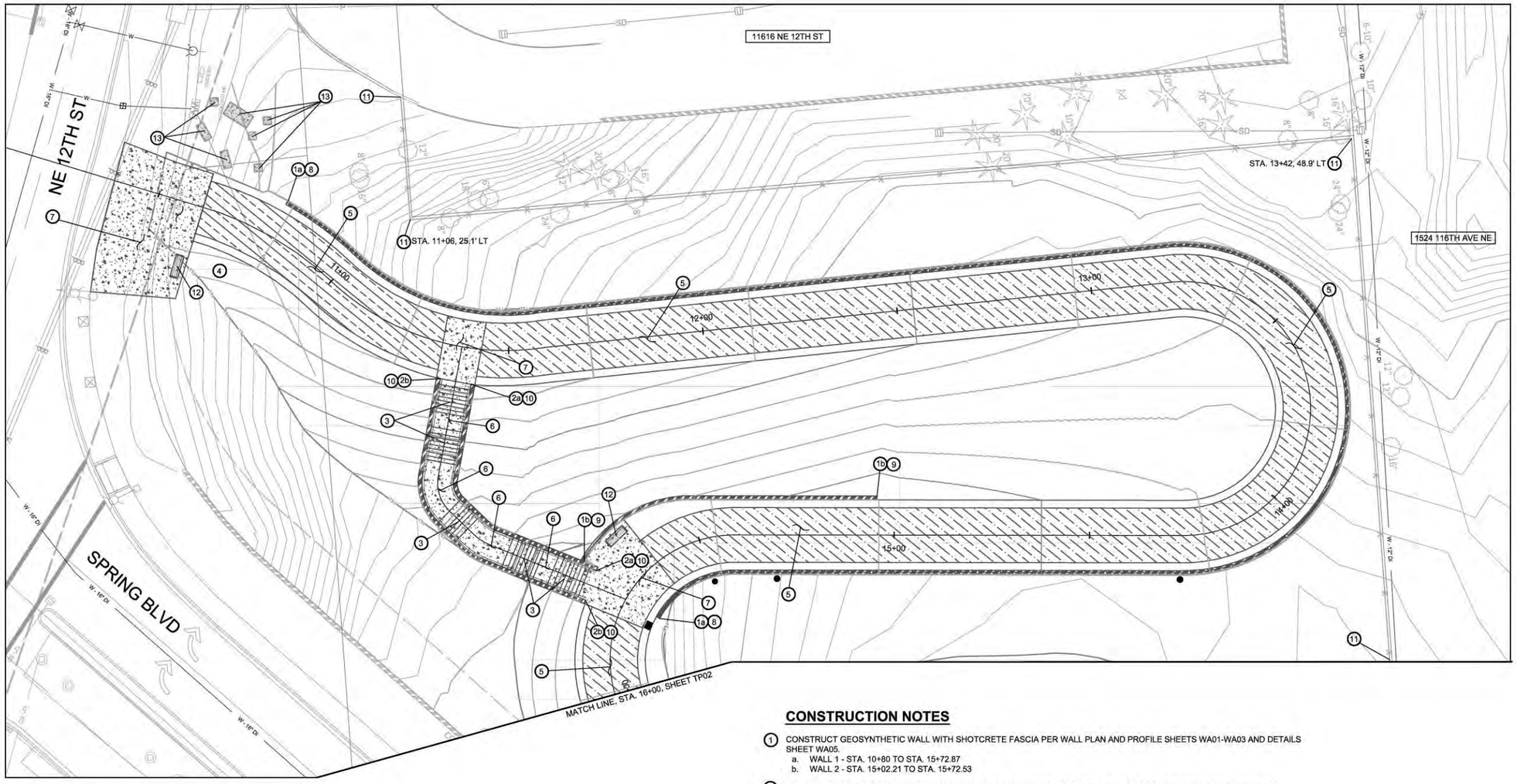

GENERAL NOTES

1. CALL UTILITIES UNDERGROUND LOCATION CENTER AT 1-800-424-5555 48 HOURS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL POTHOLE ALL POTENTIAL CONFLICTS WITH UTILITIES TO VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF THE EXISTING UTILITIES. WHERE THE VERTICAL DISTANCE BETWEEN UTILITIES IS LESS THAN 6 INCHES, THE CONTRACTOR SHALL PROVIDE AN O.D. X O.D. X 2.5 INCH ETHAFOAM PAD PER THE SPECIAL PROVISIONS 7-08.3(2)j.
3. FOR JUNCTION BOXES, LIGHTING AND ELECTRICAL CONDUIT INSTALLATION, SEE SHEETS CP01-CP02
4. FOR PROPOSED TRAIL CENTERLINE ELEVATION, SEE TRAIL PROFILE SHEET
5. FOR SIGNING, CHANNELIZATION PLANS, ELECTRICAL PLANS SEE SHEETS CP01-CP02.
6. FOR DRAINAGE PLANS, SHEETS UT01-UT02.

CONSTRUCTION NOTES

1. CONSTRUCT GEOSYNTHETIC WALL WITH SHOTCRETE FASCIA PER WALL PLAN AND PROFILE SHEETS WA01-WA03 AND DETAILS SHEET WA05.
   a. WALL 1 - STA. 10+80 TO STA. 15+72.87
   b. WALL 2 - STA. 15+02.21 TO STA. 15+72.53
2. CONSTRUCT REINFORCED CONCRETE WALL WITH CLASS 2 FINISH PER DETAILS AND PROFILE SHEETS DT02, WA04, WA06. FABRICATE AND INSTALL STAIR RAILING PER DETAILS, SHEET DT02.
   a. WALL 3 - STA. 11+41.43 TO STA. 15+72.72
   b. WALL 4 - STA. 11+34.41 TO STA. 15+78.83
3. CONSTRUCT CONCRETE STAIRS PER PLAN, PROFILE AND DETAILS SHEETS DT01-DT03.
4. PROVIDE AND INSTALL IRRIGATION LINE SLEEVE CROSSING. SEE IRRIGATION SHEETS IR04 FOR ADDITIONAL INFORMATION.
5. EXCAVATE AREA FOR TRAIL PER TYPICAL SECTIONS SHEET TS01, AND TRAIL PROFILE, SHEETS TP03. CONSTRUCT 12' WIDE ASPHALT PATH PER TYPICAL SECTIONS SHEET TS01.
6. CONSTRUCT CONCRETE SIDEWALK, 5" DEPTH, ON TOP OF 4" COMPACTED CSTC PER COB STD. DWG NO. SW-110-1.
7. CONSTRUCT CONCRETE SIDEWALK, 5" DEPTH, ON TOP OF 4" COMPACTED CSTC. SCORE AND FINISH SIDEWALK PER DETAILS, SHEET DT03.
8. FABRICATE AND INSTALL PEDESTRIAN RAILING PER DETAILS, SHEET WA07.
9. FABRICATE AND INSTALL CABLE FENCE PER DETAILS, SHEETS WA08.
10. FABRICATE AND INSTALL STAIR RAILING PER DETAILS, SHEET DT02.
11. CONSTRUCT 6 FT CHAIN LINK FENCE TYPE 3 WITH BLACK ANODIC COATING PER WSDOT STD. PLAN NO. L-20.10-02.
12. PROVIDE AND INSTALL BENCH PER DETAILS, SHEET DT04.
13. CONSTRUCT FOUNDATIONS FOR FUTURE ARTWORK PER DETAILS, SHEET AF01.

LEGEND

- NEW WALL
- 3" HMA TRAIL
- NEW CONCRETE

SCALE IN FEET
15 0 15 30

2/7/24

NO.	DATE	BY	APPR.	REVISIONS

C. Masek 02/24 DESIGNED BY DATE
C. Masek 02/24 DRAWN BY DATE
C. Masek 02/24 CHECKED BY DATE

City of Bellevue
Transportation Department

CHRISTOPHER D. MASEK STATE OF WASHINGTON 45856 REGISTERED PROFESSIONAL ENGINEER

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TRAIL PLAN

TP01 SHT 11 OF 40

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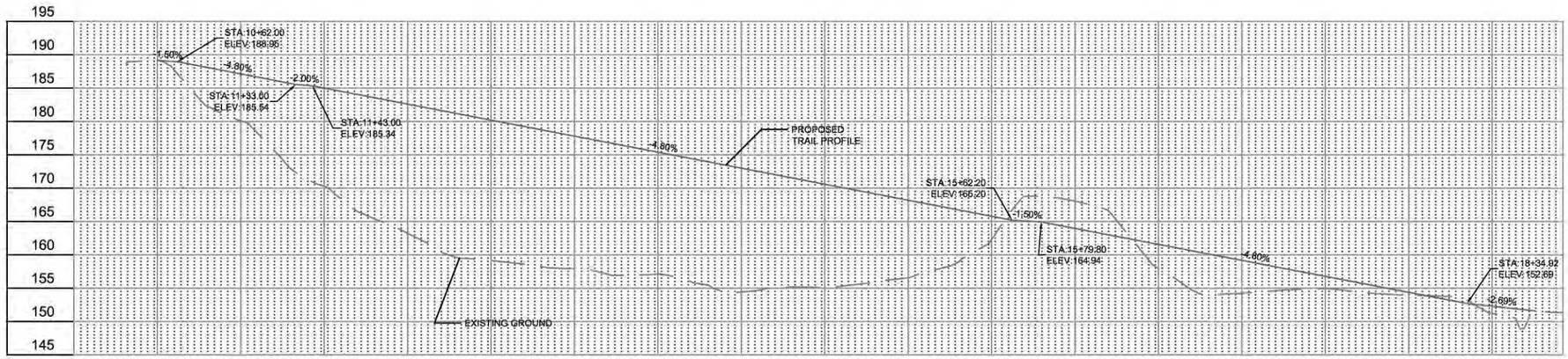
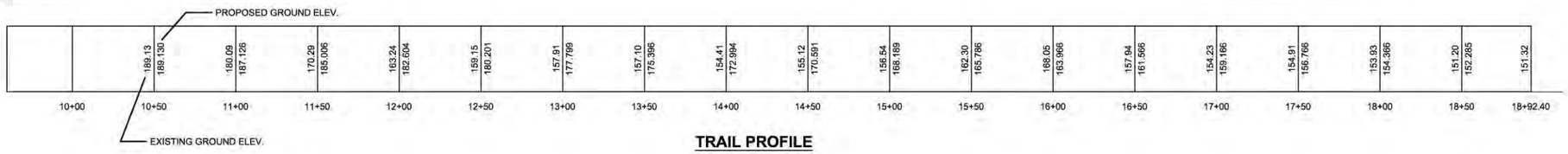
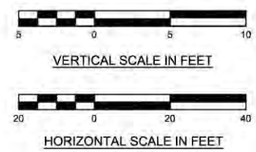




TRAIL PROFILE



NO.	DATE	BY	APPR.	REVISIONS

C. Masek 02/24 DESIGNED BY DATE
C. Masek 02/24 DRAWN BY DATE
C. Masek 02/24 CHECKED BY DATE

City of Bellevue
Transportation Department

2/7/24
CHRISTOPHER D. MASEK
STATE OF WASHINGTON
45856
REGISTERED
PROFESSIONAL ENGINEER

EASTRAIL TO NE SPRING BLVD TRAIL LINK

TRAIL PROFILE

TP03 SHT 13 OF 40

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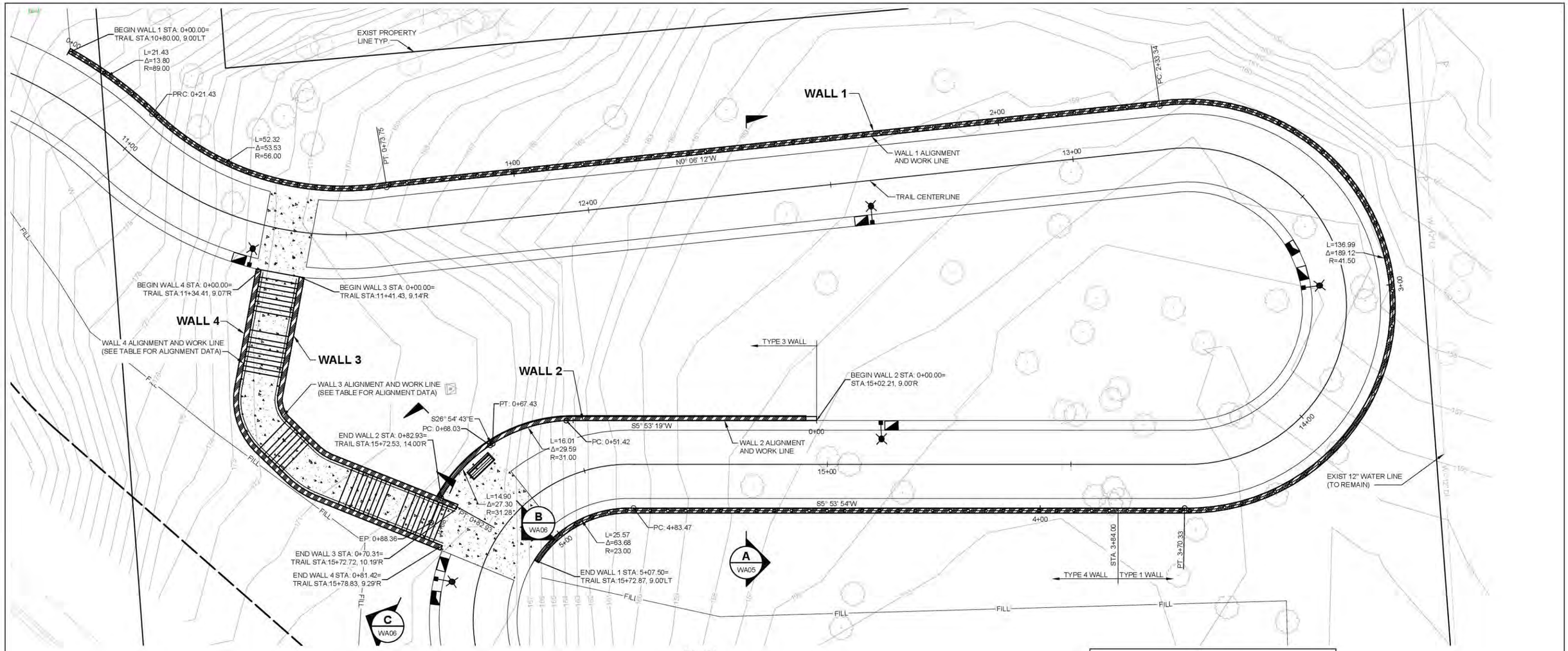

PLAN

NOTES:

1. WALLS 1 AND 2 SHALL BE PERMANENT GEOSYNTHETIC WALLS (WALL 1 = TYPE 1 OR TYPE 4 AND WALL 2 = TYPE 3) PER STANDARD PLAN D-3.09-00. SEE SHEET WA02 AND WA03 FOR WALL ELEVATION AND LIMITS OF WALL TYPE.

GENERAL NOTES

1. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND MUNICIPAL CONSTRUCTION", DATED 2024.
2. THE STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS - 9TH EDITION - 2020
3. THE SEISMIC DESIGN OF THE STRUCTURES HAVE BEEN COMPLETED IN ACCORDANCE WITH THE AASHTO GUIDE SPECIFICATIONS FOR LRFD BRIDGE DESIGN - 2ND EDITION - 2011 WITH INTERIMS THRU 2015, USING SITE CLASS C AND A PEAK GROUND ACCELERATION OF 0.423.
4. CONTRACTOR TO FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES WITHIN THE VICINITY OF THE WALLS PRIOR TO BEGINNING WALL CONSTRUCTION.

GENERAL NOTES (CONTINUED)

5. ALL CONCRETE SHALL BE CLASS 4000. ALL REINFORCING BARS SHALL BE AASHTO M-31, GRADE 60 EXCEPT AS NOTED.
6. UNLESS OTHERWISE SHOWN ON THE PLANS, THE CONCRETE COVER MEASURED FROM THE FACE OF THE CONCRETE TO THE FACE OF ANY REINFORCEMENT BAR SHALL BE 2".
7. EXISTING GROUND LINE IS APPROXIMATE AND SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
8. FOR GEOTECHNICAL RECOMMENDATIONS, SEE "GEOTECHNICAL REPORT, EASTRAIL TO NE SPRING BLVD. TRAIL LINK", DATED JANUARY 6, 2023.
9. UNLESS NOTED OTHERWISE, MINIMUM LAP SPLICE LENGTHS SHALL BE CLASS B WITH LENGTHS AS FOLLOWS:

	TOP BARS	OTHER		TOP BARS	OTHER
#4 BAR	2'-1"	2'-0"	▽ #4 BAR	2'-0"	2'-3"

ALL LAP SPLICES SHALL BE STAGGERED. TOP BARS ARE HORIZONTAL BARS PLACED SO THAT MORE THAN 12" OF FRESH CONCRETE IS CAST BELOW THEM.

Wall 3

Number	Radius	Length	Line/Chord Direction	Start Sta.	End Sta.
L1		24.60	S73° 45' 07"E	0+00.00	0+24.60
C1	6.00	5.91	N78° 03' 04"E	0+24.60	0+30.51
L2		8.38	N49° 51' 15"E	0+30.51	0+38.89
C2	10.00	3.88	N38° 45' 10"E	0+38.89	0+42.76
L3		27.55	N27° 39' 05"E	0+42.76	0+70.31

WALL 3 ALIGNMENT DATA

Wall 4

Number	Radius	Length	Line/Chord Direction	Start Sta.	End Sta.
L1		24.60	S73° 45' 08"E	0+00.00	0+24.60
C1	14.00	13.78	N78° 03' 04"E	0+24.60	0+38.38
L2		8.38	N49° 51' 15"E	0+38.38	0+46.76
C2	18.00	6.98	N38° 45' 10"E	0+46.76	0+53.73
L3		27.68	N27° 39' 05"E	0+53.73	0+81.42

WALL 4 ALIGNMENT DATA

SCALE IN FEET
10 0 5 10 20

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

P. BARUWAL	DESIGNED BY	01/24 DATE
D. ALTENBURG	DRAWN BY	01/24 DATE
J. WARREN	CHECKED BY	01/24 DATE

City of Bellevue
Transportation Department

JOSHUA D. WARREN — STATE OF WASHINGTON — 56156 — PROFESSIONAL ENGINEER
1/22/24

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL PLAN

WA01 | SHT 16 OF 40

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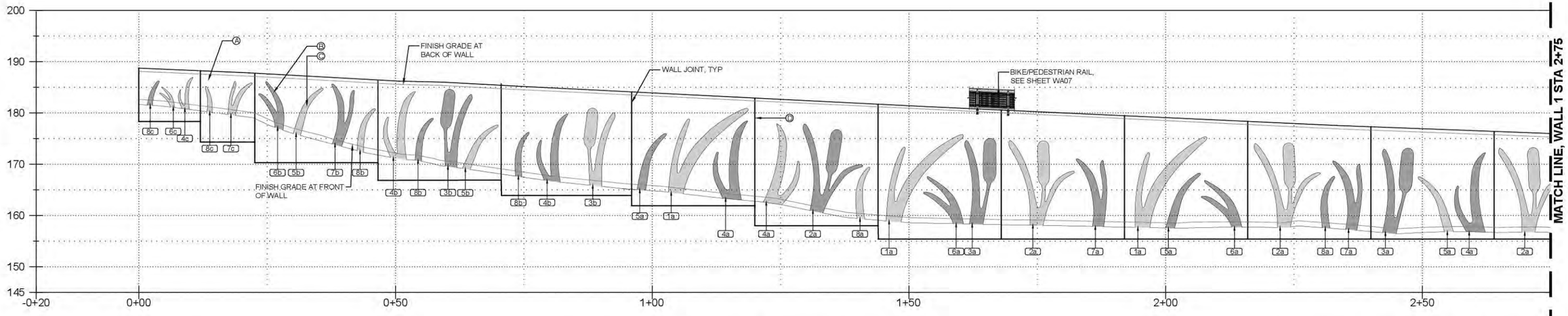


WALL 1 ARCHITECTURAL FINISH ELEVATION (1 OF 2)

HORIZONTAL SCALE IN FEET 10 0 5 10 20

VERTICAL SCALE IN FEET 10 0 5 10 20

WALL ARCHITECTURAL FINISH NOTES

Ⓐ ARCHITECTURAL SHOTCRETE FINISH, TYP; SMOOTH TROWEL FINISH WITH PIGMENTED SEALER; COLOR: WASHINGTON GREY; SEE SECTION 6-18.3(1) OF SPECS.

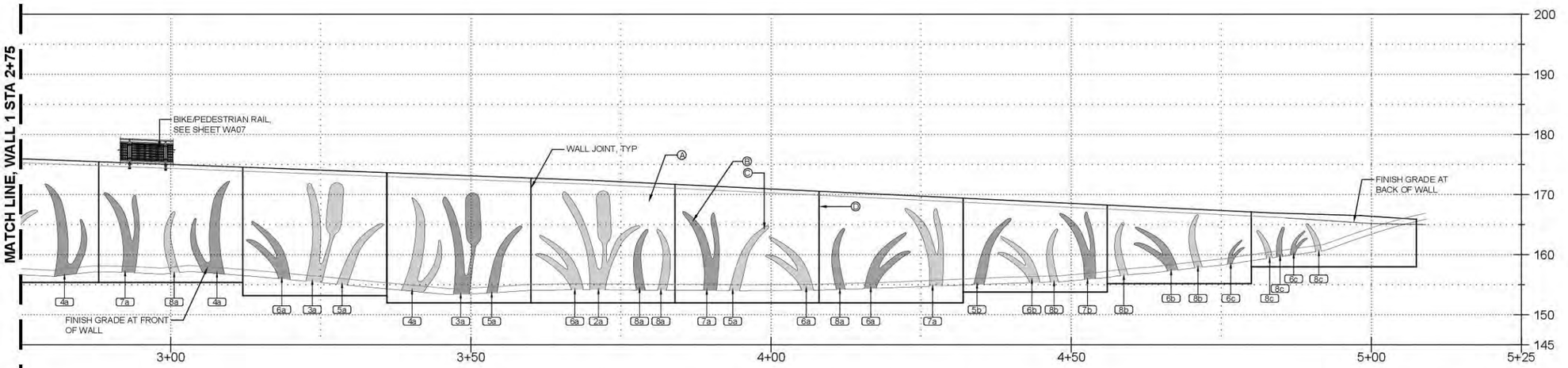
Ⓑ 1-1/2" DEEP RECESSED PATTERN, TYP; SMOOTH TROWEL FINISH. APPLY THE PIGMENTED SEALER UNDERNEATH THE 100% ACRYLIC EXTERIOR COATING; COLOR: DARK GREEN; SEE SPEC SECTION 6-02.3(14)C.

Ⓒ 1-1/2" DEEP RECESSED PATTERN, TYP; SMOOTH TROWEL FINISH. APPLY THE PIGMENTED SEALER UNDERNEATH THE 100% ACRYLIC EXTERIOR COATING; COLOR: DARK BROWN; SEE SPEC SECTION 6-02.3(14)C.

Ⓓ PROVIDE A TOOLED JOINT IN THE ARCHITECTURAL SHOTCRETE FINISH AT ALL WALL JOINT LOCATIONS, TYP; FULL DEPTH OF SHOTCRETE. SEE STRUCTURAL FOR WALL JOINT DETAILS AND LOCATIONS.

WALL FINISH GENERAL NOTES

1. APPLY PIGMENTED SEALER TO ALL EXPOSED WALL SURFACES. EXTEND PIGMENTED SEALER TO MIN 12" BELOW FINISH GRADES AT THE FACE OF THE WALL. APPLY 100% ACRYLIC EXTERIOR COATING WITHIN THE RECESSED PATTERN AREAS.
2. DIGITAL FILES OF RECESSED PATTERNS AVAILABLE TO THE SUCCESSFUL BIDDER UPON REQUEST.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL PATTERNS AND COMPLETE LAYOUT OF PATTERNS ON WALL FOR ENGINEER'S REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.
4. DETAILS ON SHEETS WA09 AND WA10 COMMUNICATE DESIGN INTENT FOR WALL ARCHITECTURAL FINISH ONLY. SEE SHEET WA05 FOR GEOSYNTHETIC WALL DETAILS.



WALL 1 ARCHITECTURAL FINISH ELEVATION (2 OF 2)

HORIZONTAL SCALE IN FEET 10 0 5 10 20

VERTICAL SCALE IN FEET 10 0 5 10 20

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3051 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR	REVISIONS

J. VONG DESIGNED BY	01/24 DATE
S. ARORA DRAWN BY	01/24 DATE
A. LUOMA CHECKED BY	01/24 DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON MERIT CYR 13705 EXP. 3/31/2024 LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

WALL FINISH DETAILS

WA09 SHT 24 OF 40

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LEGEND

(SEE PLANT SCHEDULE, SHEET LA03)

- SHRUBS, LARGE SHRUBS SMALL TREES, MAX 20' HT.
- WETLAND TREES AND SHRUBS.
- MEDIUM SHRUBS, MAX 8' HT.
- GROUNDCOVERS AND PERENNIALS, MAX 3' HT.
- ORNAMENTAL PLANTING SEE SHEET LA06
- EXISTING WETLAND
- EXISTING PROPERTY BOUNDARY
- EXISTING WETLAND BOUNDARY
- EXISTING WETLAND BUFFER BOUNDARY
- EXISTING GRAVEL TRAIL
- EXISTING RIGHT OF WAY (ROW)
- EXISTING FENCE
- CONIFEROUS TREE
- DECIDUOUS TREE
- EXISTING TREES TO REMAIN

CONSTRUCTION NOTES

1. DECOMPACT SUBGRADE AND AMEND PLANTING SOIL PER SOIL PREPARATION DETAIL, SHEET LA03.
2. INSTALL UNIFORM 3" DEPTH MULCH.

GENERAL NOTES

1. INSTALL TREES, PER STANDARD DETAILS PK-IM-03A AND PK-IM-03B, CITY OF BELLEVUE ENVIRONMENTAL BEST MANAGEMENT PRACTICES AND DESIGN STANDARDS, 2020 (EXCEPT MULCH SHALL BE 3" DEPTH).
2. INSTALL SHRUBS, PER STANDARD DETAILS PK-IM-02A AND PK-IM-02B, CITY OF BELLEVUE ENVIRONMENTAL BEST MANAGEMENT PRACTICES AND DESIGN STANDARDS, 2020 (EXCEPT MULCH SHALL BE 3" DEPTH).
3. INSTALL GROUNDCOVER PLANTS, PER STANDARD DETAIL PK-IM-04, CITY OF BELLEVUE ENVIRONMENTAL BEST MANAGEMENT PRACTICES AND DESIGN STANDARDS, 2020 (EXCEPT MULCH SHALL BE 3" DEPTH).
4. SOIL AMENDMENT SHALL BE FINE COMPOST PER WSDOT STANDARD SPECIFICATION 9-14.5(8).
5. SEE SPECIAL PROVISIONS FOR MULCH.
6. SEE MITIGATION PLANTING SCHEDULES AND DETAILS, SHEET LA03.
7. A TOTAL OF 55 EXISTING TREES ARE BEING REMOVED AS A RESULT FROM DEVELOPMENT. CITY OF BELLEVUE CODE, TREE REPLACEMENT RATIO IS 2:1. REPLACEMENT TREE REQUIRED (55 X 2) = 110
   REPLACEMENT TREES PROVIDED = 165

DAVID EVANS AND ASSOCIATES INC.
14432 SE Eastgate Way, Suite 400
Bellevue Washington 98007
Phone: 425.519.6500

NO.	DATE	BY	APPR.	REVISIONS

G. KING	12/23
DESIGNED BY	DATE
G. KING	12/23
DRAWN BY	DATE
J. GAGE	12/23
CHECKED BY	DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON JONATHAN C. GAGE No. 22922 EXP. 03/17/2025 LANDSCAPE ARCHITECT
1/22/24

EASTRAIL TO NE SPRING BLVD TRAIL LINK

MITIGATION PLANTING PLAN

LA04 SHT 36 OF 40

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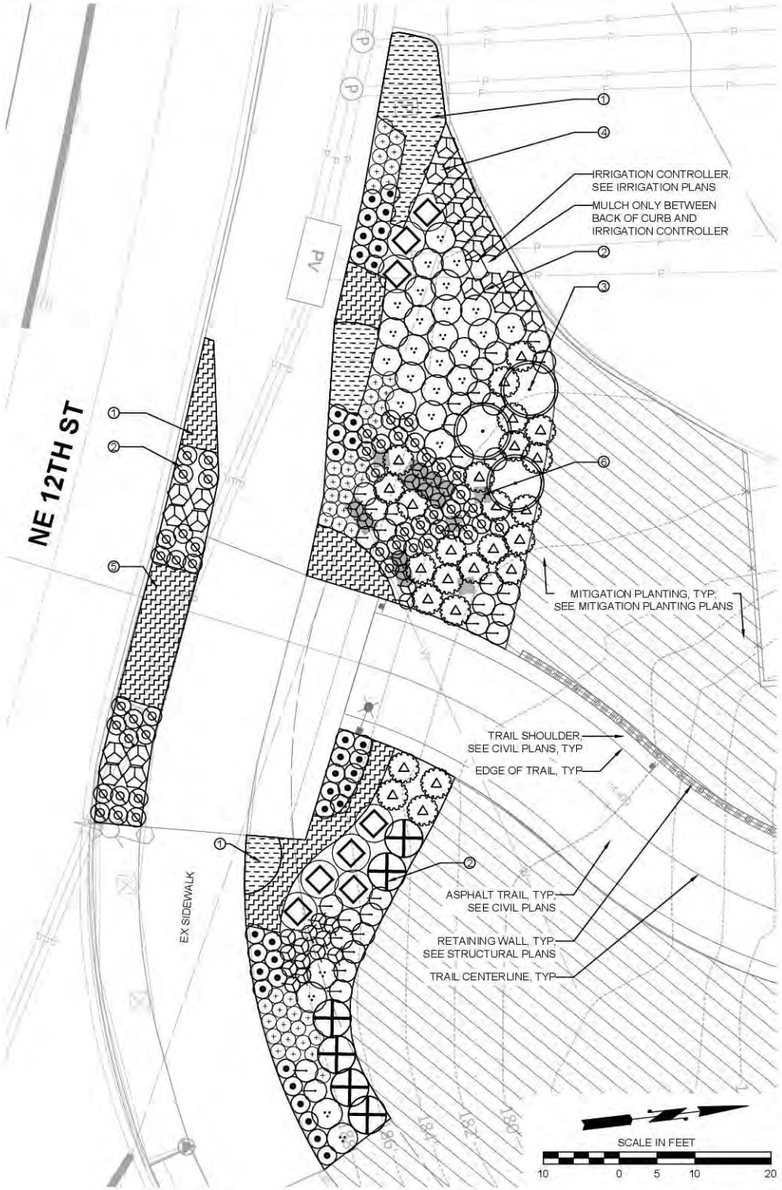
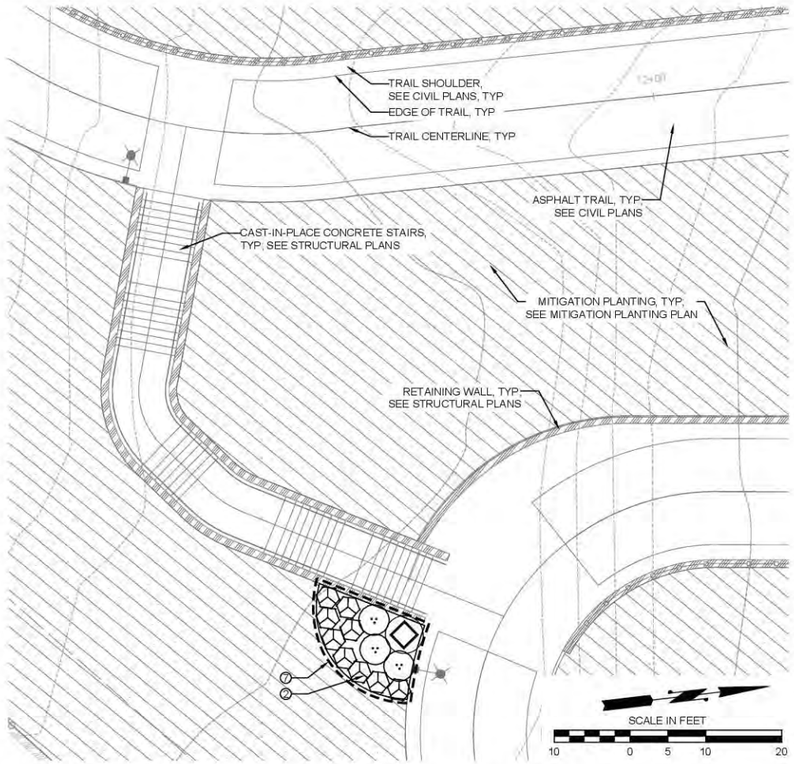


ORNAMENTAL PLANTING PLAN - NE 12TH MIXING ZONE



ORNAMENTAL PLANTING PLAN - STAIR CONNECTION

ORNAMENTAL PLANTING GENERAL NOTES

1. SEE SHEET LA05 FOR ORNAMENTAL PLANTING SCHEDULE.
2. ALL PLANTS SHALL BE OFFSET A MINIMUM OF HALF THE SPECIFIED SPACING FROM CURBS, ASPHALT TRAIL, WALLS AND SIDEWALKS.

CONSTRUCTION NOTES:

① GROUNDCOVER PLANTING, TYP; SEE COB STD DETAIL PK-IM-04.
② SHRUB PLANTING, TYP; SEE COB STD DETAIL PK-IM-02A.
③ DECIDUOUS TREE PLANTING, TYP; SEE COB STD DETAIL PK-IM-03A.
④ SOIL PREPARATION FOR ALL ORNAMENTAL PLANTING AREAS AT BACK OF SIDEWALK, TYP.; SEE DETAIL ON SHEET LA05.
⑤ SOIL PREPARATION FOR PLANTING STRIP BETWEEN CURB AND SIDEWALK; SEE COB STD DETAIL SW-130-1, EXCEPT MULCH SHALL BE 3" DEPTH; CONTRACTOR TO ACCOUNT FOR ADDITIONAL MULCH NEEDED.
⑥ SOIL PREPARATION OVER ART FOUNDATIONS, TYP; SEE DETAILS ON SHEET LA05.
⑦ SOIL PREPARATION WITHIN THIS AREA SHALL BE NON-WETLAND RESTORATION AREA SOIL PREPARATION, SEE DETAIL ON SHEET LA03.

HBB
LANDSCAPE ARCHITECTURE
2101 4TH AVENUE, SUITE 1800 206.682.3053 phone
SEATTLE, WA 98121 206.682.3245 fax

NO.	DATE	BY	APPR.	REVISIONS

J. VONG 01/24 DESIGNED BY DATE
S. ARORA 01/24 DRAWN BY DATE
A. LUOMA 01/24 CHECKED BY DATE

City of Bellevue
Transportation Department

STATE OF WASHINGTON · MERIT OVER · LANDSCAPE ARCHITECT

EASTRAIL TO NE SPRING BLVD TRAIL LINK

ORNAMENTAL PLANTING PLANS

LA06 SHT 38 OF 40

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APPENDIX E:
CONSTRUCTION STORMWATER POLLUTION PREVENTION PLAN (CSWPPP)

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Construction Stormwater Pollution Prevention Plan (CSWPPP) Worksheet for Construction Projects

Background Information

Applicant: Chris Masek

Property Owner, if different from Applicant: City of Bellevue, Transportation Department

Contact Person: Chris Masek
All questions and correspondence will be directed to the individual listed as Contact Person.

Address of Contact 450 110th Ave NE, Bellevue, WA 98004

Person: Phone Number: 425-452-4619

Project Title: Eastrail to NE Spring Blvd Trail Link

Site Address: NE 12 St and Spring Blvd

Parcel Number: N/A

Give an accurate, brief description of the proposed project's scope and nature:

1. General description:

Construct new 14' wide trail connection between Eastrail and the intersection of NE 12 St and Spring Blvd. The project includes grading, wall construction, storm drainage improvements, lighting, railings, fences, wetland mitigation, landscaping and irrigation.

2. Area of site (square feet): 62,000 SF
3. Proposed area of land disturbance (square feet): 62,000 SF
4. Proposed quantity of excavation (cubic yards): 4500 CY
5. Proposed quantity of fill (cubic yards): 16,000 SY
6. Total proposed impervious area to be constructed (square feet) 13,027 SF
7. Existing site conditions including descriptions of existing topography, existing vegetation, and existing drainage:

The existing site is a remnant parcel acquired for the Spring Blvd Project. The project site slopes downward to the east, with moderate to steep slopes. The site generally slopes downwards from 190 feet above mean sea level (AMSL) at NE 12th St to 155 feet AMSL at the tie in to the Eastrail Trail. The southwestern edge of the project site has a 13 percent slope leading from the southwest to the middle of the site. The western edge of the project site contains a 20 percent slope. The northern half of the project site is relatively flat to the east of toe of the 20 percent slope to the west.

The project site has trees and landscaping. The existing site drains to a ditch and wetland that parallels Eastrail.

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8. Description of site soils including soil unit, erodibility, settleability, permeability, depth, texture, and soil structure:

The mapped soil hydrologic group, according to the United States Department of Agriculture web soil survey is Alderwood gravelly sandy loam, 8 to 15 percent slopes. Alderwood gravelly loams are typically formed from glacial drift and/or glacial outwash over dense glaciomarine deposits and are found in ridges and hills. These soils are classified as moderately well drained with an average depth to water table at 18 to 37 inches. These soils are classified by the Soil Conservation Survey as Hydrologic Group B and as prime farmland if irrigated. Alderwood gravelly sandy loam is not rated as a hydric soil.

The site is within a developed area; therefore, localized fill soils, or native soils reworked during development are present at the project site. Additionally, the southwestern corner of the project area was previously used as a construction staging area for the construction of NE Spring Boulevard. This area has been terraced and planted with native vegetation.

9. Description of adjacent areas which may be affected by site disturbance (i.e. streams, lakes, wetlands, residential areas, roads)

The Watershed Company has identified (and DEA has verified) one category III palustrine emergent / palustrine forested wetland located along the eastern edge of the subject parcel along the Eastrail Trail. This wetland appears to receive water from runoff, stormwater retention ponds, and a stormwater ditch.

Approximately 226 square feet of direct wetland impacts, and 19,309 square feet of wetland buffer impacts will result from constructing the trail

The project will mitigate impacts to the wetland and wetland buffer.

10. Description of critical areas that are on or adjacent to the site.

There are existing wetlands located on the east side of the project site parallel to Eastrail Trail. There are a few steep slopes on the southwest side of the project limits.

11. Describe potential erosion problems on site.

There are no known erosion problems on the site.

12. Describe the intended sequence and timing of construction activities and any proposed construction phasing.

The intended sequence is as follows: remove trees, clearing and grubbing, wall construction, storm utility installation, street lighting installation, trail paving, wetland mitigation, landscaping and irrigation installation.

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13. Describe the construction schedule

The exact construction schedule will be determined by the contractor. The construction work is anticipated to start in the early spring 2024 and anticipated to take 100 working days.

14. Describe ownership and financial obligations for the project. Include bond forms and other evidence of financial responsibility for environmental liabilities associated with construction.

There are no known ownership or financial obligations for this project. The parcel is owned by the City of Bellevue. An easement will be obtained from Sound Transit to connect the trail to Eastrail.

15. Engineering calculations for design of sediment ponds, diversion, waterways, etc. Also include calculations for runoff and stormwater detention design, if applicable.

There are no engineering calculations for the construction of sediment ponds, diversion, waterways, or stormwater detention because they are not triggered by or included in the scope of this project.

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SECTION ONE: CSWPPP NARRATIVE

EROSION CONTROL ELEMENT # 1 – Preserve Vegetation/Mark Clearing Limits.

Requirements – Preserve Vegetation/Mark Clearing Limits

1. Before beginning land disturbing activities, including clearing and grading, clearly mark all clearing limits, sensitive areas and their buffers, and trees that are to be preserved within the construction area.
2. Retain the duff layer, native top soil, and natural vegetation in an undisturbed state to the maximum degree practical

Additional Guidance

- Plastic, metal, or fabric fence may be used to mark the clearing limits. [Note: the difference between the practical use and proper installation of silt fencing and the proper use of clearing boundary fencing.]
- If it is not practical to retain the duff layer in place, then stockpile it on-site, cover it to prevent erosion, and replace it immediately when you finish disturbing the site.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the Applicant's site, to meet the erosion control requirements listed above.

- [x] Preserve existing vegetation – BMP C 101
- [ ] Buffer Zones – BMP C102
- [x] High Visibility Fence – BMP C103
- [x] Tree Protection During Construction – BMP T101
- [ ] Other
- [ ] Not Applicable – See explanation below

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf

Note: The BMPs that the Contractor selects to address the "Mark Clearing Limits" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The limits of the clearing and trees to be removed/retained will be marked in the field prior to the start of construction. Any vegetation and trees to remain within the project limits will be protected by the BMP's checked above.

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EROSION CONTROL ELEMENT # 2 - Establish Construction Access.

Requirements – Establish Construction Access

1. Limit construction vehicle access and exit to one route, if possible.
2. Stabilize access points with a pad of quarry spalls, crushed rock, or other equivalent BMPs, to minimize tracking sediment onto roads
3. Locate wheel wash or tire baths on site, if the stabilized construction entrance is not effective in preventing tracking sediment onto roads.
4. If sediment is tracked off site, clean the affected roadway thoroughly at the end of each day, or more frequently as necessary (for example, during wet weather). Remove sediment from roads by shoveling, sweeping, or pick up and transport the sediment to a controlled sediment disposal area.
5. Conduct street washing only after sediment is removed in accordance with the above bullet.
6. Control street wash wastewater by pumping back on site or otherwise preventing it from discharging into systems tributary to waters of the State.

Additional Guidance

- Minimize construction site access points along linear projects, such as roadways. Street washing may require local jurisdiction approval.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Stabilized Construction Entrance / Exit – BMP C105
- [x] Wheel Wash – BMP C106
- [ ] Construction Road/Parking Area Stabilization – BMP C107
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Establish Construction Access" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

A construction access point will need to be established on the NW corner of NE 12 St and Spring Blvd. The BMP's checked above may be used to keep sediment and soil on the project site.

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EROSION CONTROL ELEMENT # 3 - Control Flow Rates.

Requirements – Control Flow Rates

1. Protect properties and waterways downstream of development sites from erosion and the associated discharge of turbid waters due to increases in the velocity and peak volumetric flow rate of stormwater runoff from the project site, as required by local plan approval authority.
2. Where necessary to comply with the bullet above, construct stormwater retention or detention facilities as one of the first steps in grading. Assure that detention facilities function properly before constructing site improvements (e.g. impervious surfaces).
3. If permanent infiltration ponds are used for flow control during construction, protect these facilities from siltation during the construction phase.

Additional Guidance

- Conduct downstream analysis if changes in off-site flows could impair or alter conveyance systems, streambanks, bed sediment, or aquatic habitat. See Volume I, Chapter 3 for off-site analysis guidelines.
- Even gently sloped areas need flow controls such as straw wattles or other energy dissipation / filtration structures. Place dissipation facilities closer together on steeper slopes. These methods prevent water from building higher velocities as it flows downstream within the construction site.
- Outlet structures designed for permanent detention ponds are not appropriate for use during construction without modification. If used during construction, install an outlet structure that will allow for longterm storage of runoff and enable sediment to settle. Verify that the pond is sized appropriately for this purpose. Restore ponds to their original design dimensions, remove sediment, and install a final outlet structure at completion of the project.
- Erosion has the potential to occur because of increases in the volume, velocity, and peak flow rate of stormwater runoff from the project site. The local permitting agency may require pond designs that provide additional or different stormwater flow control. These requirements may be necessary to address local conditions or to protect properties and waterways downstream.
- Sites that must implement flow control for the developed site condition must also control stormwater release rates during construction. Construction site stormwater discharges shall not exceed the discharge durations of the pre-developed condition for the range of predeveloped discharge rates from ½ of the 2-year flow through the 10- year flow as predicted by an approved continuous runoff model. The pre-developed condition to be matched shall be the land cover condition immediately prior to the development project. This restriction on release rates can affect the size of the storage pond and treatment cells.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Sediment trap – BMP C240
- ☐ Temporary Sediment Pond – C241
- ☐ Other
- ☑ Not Applicable – See explanation below.

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Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the contractor selects to control the "Control Flow Rates" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

Does not apply because storm water retention and detention facilities are not part of the proposed project.

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EROSION CONTROL ELEMENT # 4 - Install Sediment Controls.

Requirements – Install Sediment Controls

The Permittee must design, install and maintain effective erosion controls and sediment controls to minimize the discharge of pollutants. At a minimum, the Permittee must design, install and maintain such controls to:

1. Construct sediment control BMPs (sediment ponds, traps, filters, etc.) as one of the first steps in grading. These BMPs shall be functional before other land disturbing activities take place.
2. Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site.
3. Direct stormwater runoff from disturbed areas through a sediment pond or other appropriate sediment removal BMP, before the runoff leaves a construction site or before discharge to an infiltration facility. Runoff from fully stabilized areas may be discharged without a sediment removal BMP, but must meet the flow control performance standard in Element #3, bullet #1.
4. Locate BMPs intended to trap sediment on site in a manner to avoid interference with the movement of juvenile salmonids attempting to enter off-channel areas or drainages.
5. Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal, and maximize stormwater infiltration, unless infeasible.
6. Where feasible, design outlet structures that withdraw impounded stormwater from the surface to avoid discharging sediment that is still suspended lower in the water column.

Additional Guidance

- Outlet structures that withdraw impounded stormwater from the surface to avoid discharging sediment that is still suspended lower in the water column are for the construction period only. If the pond using the construction outlet control is used for permanent stormwater controls, the appropriate outlet structure must be installed after the soil disturbance has ended.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Brush Barrier – BMP C231
- ☐ Gravel Filter Berm – BMP C232
- ☑ Silt Fence – BMP C233
- ☐ Vegetated strip – BMP C234
- ☑ Wattles – BMP C235
- ☐ Sediment Trap –BMP C240
- ☐ Temporary Sediment Pond – BMP C241

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☐ Construction Stormwater Chemical Treatment – BMP C250
☐ Construction Stormwater Filtration – BMP C251
☑ Other
☐ Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the contractor selects to control the "Install Sediment Controls" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

Silt Fence keep sediment from migrating off the project site.

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EROSION CONTROL ELEMENT # 5 - Stabilize Soils

Requirements – Stabilize Soils

1. Stabilize exposed and unworked soils by application of effective BMPs that prevent erosion. Applicable BMPs include, but are not limited to: temporary and permanent seeding, sodding, mulching, plastic covering, erosion control fabrics and matting, soil application of polyacrylamide (PAM), the early application of gravel base early on areas to be paved, and dust control.
2. Control stormwater volume and velocity within the site to minimize soil erosion.
3. Control stormwater discharges, including both peak flow rates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion
4. Soils must not remain exposed and unworked for more than the time periods set forth below to prevent erosion.
   - During the dry season (May 1 - Sept. 30): 7 days.
   - During the wet season (October 1 - April 30): 2 days.
5. Stabilize soils at the end of the shift before a holiday or weekend if needed based on the weather forecast.
6. Stabilize soil stockpiles from erosion, protect with sediment trapping measures, and where possible, be located away from storm drain inlets, waterways, and drainage channels.
7. Minimize the amount of soil exposed during construction activity.
8. Minimize the disturbance of steep slopes.
9. Minimize soil compaction and, unless infeasible, preserve topsoil.

Additional Guidance

- Soils must not remain exposed and unworked for more than the time periods set forth above to prevent erosion for linear projects.
- Soil stabilization measures should be appropriate for the time of year, site conditions, estimated duration of use, and potential water quality impacts that stabilization agents may have on downstream waters or ground water.
- Ensure that gravel base used for stabilization is clean and does not contain fines or sediment.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the site, to meet the erosion control requirements listed above.

☐ Temporary & Permanent Seeding – BMP C120
☐ Mulching – BMP C121
☐ Nets & blankets – BMP C122

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- [x] Plastic Covering – BMP C123
- [ ] Sodding – BMP C124
- [ ] Topsoiling / Composting– BMP C125
- [ ] Polyacrylamide (PAM) for Soil Erosion Protection – BMP C126
- [ ] Surface Roughening – BMP C130
- [ ] Gradient Terraces – BMP C131
- [x] Dust Control – BMP C140
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Stabilize Soils" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor shall stabilize all soils and slopes at the end of the day. The slopes shall not remained uncovered longer than the durations listed above. Plastic covering will be used to protect and stabilize exposed slopes at the end of the work day, during rain events, and over weekends/holidays.

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EROSION CONTROL ELEMENT # 6 - Protect Slopes

Requirements – Protect Slopes

1. Design and construct cut-and-fill slopes in a manner to minimize erosion. Applicable practices include, but are not limited to, reducing continuous length of slope with terracing and diversions, reducing slope steepness, and roughening slope surfaces (for example, track walking).
2. Divert off-site stormwater (run-on) or ground water away from slopes and disturbed areas with interceptor dikes, pipes, and/or swales. Offsite stormwater should be managed separately from stormwater generated on the site.
3. At the top of slopes, collect drainage in pipe slope drains or protected channels to prevent erosion.
    - Temporary pipe slope drains must handle the peak volumetric flow rate calculated using a 10-minute time step from a Type 1A, 10- year, 24-hour frequency storm for the developed condition. Alternatively, the 10-year, 1-hour flow rate predicted by an approved continuous runoff model, increased by a factor of 1.6, may be used. The hydrologic analysis must use the existing land cover condition for predicting flow rates from tributary areas outside the project limits. For tributary areas on the project site, the analysis must use the temporary or permanent project land cover condition, whichever will produce the highest flow rates. If using the Western Washington Hydrology Model (WWHM) to predict flows, bare soil areas should be modeled as "landscaped" area.
4. Place excavated material on the uphill side of trenches, consistent with safety and space considerations.
5. Place check dams at regular intervals within constructed channels that are cut down a slope.

Additional Guidance

- Where 15-minute time steps are available in an approved continuous runoff model, they may be used directly without a correction factor.
- Consider soil type and its potential for erosion. • Stabilize soils on slopes, as specified in Element #5.
- BMP combinations are the most effective method of protecting slopes with disturbed soils. For example use both mulching and straw erosion control blankets in combination.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the site, to meet the erosion control requirements listed above.

- ☐ Temporary & permanent seeding – BMP C120
- ☐ Nets & blankets – BMP C122
- ☑ Plastic Covering – BMP C123
- ☐ Surface Roughening – BMP C130
- ☐ Gradient Terraces – BMP C131

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- ☐ Interceptor Dike and Swale – BMP C200
- ☐ Pipe Slope Drains – BMP C204
- ☐ Subsurface Drains – BMP C205
- ☐ Level Spreader – BMP C206
- ☐ Other
- ☐ Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Protect Slopes" erosion control element of your project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor will protect the exposed slopes with plastic covering at the end of the work day, during rain events, and over weekends/holidays.

EROSION CONTROL ELEMENT # 7 - Protect Drain Inlets

Requirements – Protect Drain Inlets

1. Protect all storm drain inlets made operable during construction so that stormwater runoff does not enter the conveyance system without first being filtered or treated to remove sediment.
2. Clean or remove and replace inlet protection devices when sediment has filled one-third of the available storage (unless a different standard is specified by the product manufacturer).

Additional Guidance

- Where possible, protect all existing storm drain inlets so that stormwater runoff does not enter the conveyance system without first being filtered or treated to remove sediment.
- Keep all approach roads clean. Do not allow sediment and street wash water to enter storm drains without prior and adequate treatment unless treatment is provided before the storm drain discharges to waters of the State.
- Inlets should be inspected weekly at a minimum and daily during storm events.

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Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on the site, to meet the erosion control requirements listed above.

- [x] Storm drain inlet protection – BMP C220
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Protect Drain Inlets" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

All existing catch basins and drainage structures shall have a catch basin insert installed in them within the limits of the project and just outside of the project limits. The contractor will ensure that the inserts do not become clogged and are properly maintained during construction.

ELEMENT # 8 - Stabilize Channel and Outlets.

Requirements – Stabilize Channel Outlets

1. Design, construct, and stabilize all on-site conveyance channels to prevent erosion from the following expected peak flows:
   - Channels must handle the peak volumetric flow rate calculated using a 10-minute time step from a Type 1A, 10-year, 24-hour frequency storm for the developed condition. Alternatively, the 10- year, 1-hour flow rate indicated by an approved continuous runoff model, increased by a factor of 1.6, may be used. The hydrologic analysis must use the existing land cover condition for predicting flow rates from tributary areas outside the project limits. For tributary areas on the project site, the analysis must use the temporary or permanent project land cover condition, whichever will produce the highest flow rates. If using the Western Washington Hydrology Model (WWHM) to predict flows, bare soil areas should be modeled as "landscaped area.
2. Provide stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent streambanks, slopes, and downstream reaches at the outlets of all conveyance systems.

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Additional Guidance

- The best method for stabilizing channels is to completely line the channel with a blanket product first, then add check dams as necessary to function as an anchor and to slow the flow of water.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Channel lining – BMP C202
- [x] Outlet protection – BMP C209
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Stabilize Channel and Outlets" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor shall stabilize the existing channel as needed with the BMP's above to prevent the erosion of the existing channels.

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EROSION CONTROL ELEMENT # 9 - Control Pollutants.

Requirements – Control Pollutants

1. Design, install, implement and maintain effective pollution prevention measures to minimize the discharge of pollutants.6
2. Handle and dispose of all pollutants, including waste materials and demolition debris that occur on-site in a manner that does not cause contamination of stormwater
3. Provide cover, containment, and protection from vandalism for all chemicals, liquid products, petroleum products, and other materials that have the potential to pose a threat to human health or the environment. On-site fueling tanks must include secondary containment. Secondary containment means placing tanks or containers within an impervious structure capable of containing 110% of the volume contained in the largest tank within the containment structure. Double-walled tanks do not require additional secondary containment.
4. Conduct maintenance, fueling, and repair of heavy equipment and vehicles using spill prevention and control measures. Clean contaminated surfaces immediately following any spill incident.
5. Discharge wheel wash or tire bath wastewater to a separate on-site treatment system that prevents discharge to surface water, such as closed-loop recirculation or upland land application, or to the sanitary sewer, with local sewer district approval.
6. Apply fertilizers and pesticides in a manner and at application rates that will not result in loss of chemical to stormwater runoff. Follow manufacturers' label requirements for application rates and procedures.
7. Use BMPs to prevent contamination of stormwater runoff by pH modifying sources. The sources for this contamination include, but are not limited to: bulk cement, cement kiln dust, fly ash, new concrete washing and curing waters, waste streams generated from concrete grinding and sawing, exposed aggregate processes, dewatering concrete vaults, concrete pumping and mixer washout waters.
8. Adjust the pH of stormwater if necessary to prevent violations of the water quality standards.

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9. Assure that washout of concrete trucks is performed off-site or in designated concrete washout areas only. Do not wash out concrete trucks onto the ground, or into storm drains, open ditches, streets, or streams. Do not dump excess concrete on site, except in designated concrete washout areas. Concrete spillage or concrete discharge to surface waters of the State is prohibited.
10. Obtain written approval from Ecology before using chemical treatment other than CO2 or dry ice to adjust pH

Additional Guidance

- Wheel wash or tire bath wastewater should not include wastewater from concrete washout areas.
- Do not use upland land applications for discharging wastewater from concrete washout areas.
- Woody debris may be chopped and spread on site

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Concrete Handling – BMP C151
- [x] Sawcutting and Surfacing Pollution Prevention – BMP C152
- [x] Material Delivery, Storage Containment – BMP C153
- [ ] Concrete Washout Area – C154
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Control Pollutants" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The BMP's above will be used to control pollutants and ensure that they don't leave the project site. The contractor will be responsible for maintaining all BMP's so that they work properly.

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EROSION CONTROL ELEMENT # 10 - Control De-Watering.

Requirements – Control De-Watering

1. Discharge foundation, vault, and trench dewatering water, which have characteristics similar to stormwater runoff at the site, into a controlled conveyance system before discharge to a sediment trap or sediment pond.
2. Discharge clean, non-turbid de-watering water, such as well-point ground water, to systems tributary to, or directly into surface waters of the State, as specified in Element #8, provided the de-watering flow does not cause erosion or flooding of receiving waters or interfere with the operation of the system. Do not route clean dewatering water through stormwater sediment ponds. Note that "surface waters of the State" may exist on a construction site as well as off site; for example, a creek running through a site.
3. Handle highly turbid or contaminated dewatering water separately from stormwater.
4. Other treatment or disposal options may include:
   - Infiltration.
   - Transport off-site in a vehicle, such as a vacuum flush truck, for legal disposal in a manner that does not pollute state waters.
   - Ecology-approved on-site chemical treatment or other suitable treatment technologies.
   - Sanitary sewer discharge with Metro and City of Bellevue approval, if there is no other option.
   - Use of a sedimentation bag with outfall to a ditch or swale for small volumes of localized dewatering

Additional Guidance

- Channels must be stabilized, as specified in Element #8.
- Construction equipment operation, clamshell digging, concrete tremie pour, or work inside a cofferdam can create highly turbid or contaminated dewatering water.
- Discharging sediment-laden (muddy) water into waters of the State likely constitutes violation of water quality standards for turbidity. The easiest way to avoid discharging muddy water is through infiltration and preserving vegetation.

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Level Spreader – BMP C206
- ☐ Infiltration (Provide details below and on TESC plan below and on the TESC plan.)
- ☐ Discharge to sanitary sewer (KC METRO and Bellevue Utilities permits required) – List permit numbers
- ☐ BMP C203 – Water Bars
- ☐ BMP C236 – Vegetative Filtration
- ☐ Other
- ☑ Not Applicable – See explanation below.

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Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Control De-watering" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

This does not apply because there is no dewatering associated with this project.

EROSION CONTROL ELEMENT # 11 - Maintain BMPs.

Requirements – Maintain BMPs

1. Maintain and repair all temporary and permanent erosion and sediment control BMPs as needed to assure continued performance of their intended function in accordance with BMP specifications.
2. Remove all temporary erosion and sediment control BMPs within 30 days after achieving final site stabilization or after the temporary BMPs are no longer needed.

Additional Guidance

- Note: Some temporary erosion and sediment control BMPs are biodegradable and designed to remain in place following construction such as compost socks.
- Provide protection to all BMPs installed for the permanent control of stormwater from sediment and compaction. All BMPs that are to remain in place following completion of construction shall be examined and placed in full operating conditions. If sediment enters the BMPs during construction, it shall be removed and the facility shall be returned to the conditions specified in the construction documents.
- Remove or stabilize trapped sediment on site. Permanently stabilize disturbed soil resulting from removal of BMPs or vegetation.

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Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] Maintain and repair in accordance with BMP specifications
- [ ] BMP C150 – Materials On Hand
- [ ] BMP C160 – Certified Erosion and Sediment Control Lead
- [ ] Other
- [ ] Not Applicable – See explanation below.

Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Maintain BMPs" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

The contractor shall be responsible for installing and maintaining every BMP that is used during construction in accordance with this CSWPPP throughout the project.

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EROSION CONTROL ELEMENT # 12 - Manage the Project.

Requirements – Manage the Project

1. Phase development projects to the maximum degree practicable and take into account seasonal work limits.
2. Inspection and monitoring – Inspect, maintain, and repair all BMPs as needed to assure continued performance of their intended function. Conduct site inspections and monitoring in accordance with the Construction Stormwater General Permit or local plan approval authority.
3. Maintaining an updated construction SWPPP – Maintain, update, and implement the SWPPP in accordance with the Construction Stormwater General Permit.
4. Projects that disturb one or more acres must have, site inspections conducted by a Certified Erosion and Sediment Control Lead (CESCL). Project sites less than one acre (not part of a larger common plan of development or sale) may have a person without CESCL certification conduct inspections. By the initiation of construction, the SWPPP must identify the CESCL or inspector, who shall be present on-site or on-call at all times.

Additional Guidance for Site Inspections

- The CESCL or inspector (project sites less than one acre) must have the skills to assess the:
  - Site conditions and construction activities that could impact the quality of stormwater.
  - Effectiveness of erosion and sediment control measures used to control the quality of stormwater discharges..
- The CESCL or inspector must examine stormwater visually for the presence of suspended sediment, turbidity, discoloration, and oil sheen. They must evaluate the effectiveness of BMPs and determine if it is necessary to install, maintain, or repair BMPs to improve the quality of stormwater discharges.

  Based on the results of the inspection, construction site operators must correct the problems identified by:
- Reviewing the SWPPP for compliance with the 13 construction SWPPP elements and making appropriate revisions within 7 days of the inspection.
- Immediately beginning the process of fully implementing and maintaining appropriate source control and/or treatment BMPs as soon as possible, addressing the problems no later than within 10 days of the inspection. If installation of necessary treatment BMPs is not feasible within 10 days, the construction site operator may request an extension within the initial 10-day response period.
- Documenting BMP implementation and maintenance in the site log book (applies only to sites that have coverage under the Construction Stormwater General Permit).
- The CESCL or inspector must inspect all areas disturbed by construction activities, all BMPs, and all stormwater discharge points at least once every calendar week and within 24 hours of any discharge from the site. (For purposes of this condition,

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individual discharge events that last more than one day do not require daily inspections. For example, if a stormwater pond discharges continuously over the course of a week, only one inspection is required that week.) The CESCL or inspector may reduce the inspection frequency for temporary stabilized, inactive sites to once every calendar month

Additional Guidance

- Phasing of Construction.

  Phase development projects where feasible in order to prevent soil erosion and, to the maximum extent practical, and prevent transporting sediment from the site during construction. Revegetate exposed areas and maintain that vegetation as an integral part of the clearing activities for any phase.

  Clearing and grading activities for developments shall be permitted only if conducted using an approved site development plan (e.g., subdivision approval) that establishes permitted areas of clearing, grading, cutting, and filling. Minimize removing trees and disturbing or compacting native soils when establishing permitted clearing and grading areas. Show on the site plans and the development site permitted clearing and grading areas and any other areas required to preserve critical or sensitive areas, buffers, native growth protection easements, or tree retention areas as may be required by local jurisdictions

- Seasonal Work Limitations

  From October 1 through April 30, clearing, grading, and other soil disturbing activities is permitted only if shown to the satisfaction of the local permitting authority that the site operator will prevent siltladen runoff from leaving the site through a combination of the following:

  1. Site conditions including existing vegetative coverage, slope, soil type, and proximity to receiving waters.
  2. Limit activities and the extent of disturbed areas.
  3. Proposed erosion and sediment control measures.

  Based on the information provided and/or local weather conditions, the local permitting authority may expand or restrict the seasonal limitation on site disturbance. The local permitting authority has the authority to take enforcement action –such as a notice of violation, administrative order, penalty, or stop-work order under the following circumstances:

- If, during the course of any construction activity or soil disturbance during the seasonal limitation period, sediment leaves the construction site causing a violation of the surface water quality standard; or
- If clearing and grading limits or erosion and sediment control measures shown in the approved plan are not maintained.

  The following activities are exempt from the seasonal clearing and grading limitations:

  1. Routine maintenance and necessary repair of erosion and sediment control BMPs;
  2. Routine maintenance of public facilities or existing utility structures that do not expose the soil or result in the removal of the vegetative cover to soil.
  3. Activities where there is one hundred percent infiltration of surface water runoff within the site in approved and installed erosion and sediment control facilities.

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- Coordination with Utilities and Other Contractors The primary project proponent shall evaluate, with input from utilities and other contractors, the stormwater management requirements for the entire project, including the utilities, when preparing the Construction SWPPP. Inspection and Monitoring

  All BMPs must be inspected, maintained, and repaired as needed to assure continued performance of their intended function. Site inspections must be conducted by a person knowledgeable in the principles and practices of erosion and sediment control. The person must have the skills to 1) assess the site conditions and construction activities that could impact the quality of stormwater, and 2) assess the effectiveness of erosion and sediment control measures used to control the quality of stormwater discharges.

  For construction sites one acre or larger that discharge stormwater to surface waters of the state, a CESCL must be identified in the construction SWPPP; this person must be on-site or on-call at all times. Certification must be obtained through an approved training program that meets the erosion and sediment control training standards established by Ecology.

  Appropriate BMPs or design changes shall be implemented as soon as possible whenever inspection and/or monitoring reveals that the BMPs identified in the Construction SWPPP are inadequate, due to the actual discharge of /or potential to discharge a significant amount of any pollutant.

- Maintaining an Updated Construction SWPPP

  Retain the Construction SWPPP on-site or within reasonable access to the site. Modify the SWPPP whenever there is a change in the design, construction, operation, or maintenance at the construction site that has, or could have, a significant effect on the discharge of pollutants to waters of the state.

The SWPPP must be modified if, during inspections or investigations conducted by the owner/operator, or the applicable local or state regulatory authority, it is determined that the SWPPP is ineffective in eliminating or significantly minimizing pollutants in stormwater discharges from the site. Modify the SWPPP as necessary to include additional or modified BMPs designed to correct problems identified. Complete revisions to the SWPPP within seven (7) days following the inspection

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- [x] BMP C150 – Materials On Hand
- [x] BMP C160 – Certified Erosion and Sediment Control Lead
- [ ] BMP C162 – Scheduling
- [ ] Other

Best Management Practices: Also see Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to implement the "Manage the Project" erosion control element of the project need to be shown or added as a note on the TESC plan.

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Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

See elements 1-12 above for the checked BMP's to be used on this project to meet the erosion control requirements listed above.

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ELEMENT # 13 – Protect Low Impact Development BMPs

Requirements – Protect Low Impact Development BMPs

1. Protect all Bioretention and Rain Garden BMPs from sedimentation through installation and maintenance of erosion and sediment control BMPs on portions of the site that drain into the Bioretention and/or Rain Garden BMPs. Restore the BMPs to their fully functioning condition if they accumulate sediment during construction. Restoring the BMP must include removal of sediment and any sediment-laden Bioretention/rain garden soils, and replacing the removed soils with soils meeting the design specification.

2. Prevent compacting Bioretention and rain garden BMPs by excluding construction equipment and foot traffic. Protect completed lawn and landscaped areas from compaction due to construction equipment.

3. Control erosion and avoid introducing sediment from surrounding land uses onto permeable pavements. Do not allow muddy construction equipment on the base material or pavement. Do not allow sediment- laden runoff onto permeable pavements.

4. Pavements fouled with sediments or no longer passing an initial infiltration test must be cleaned using procedures from the local stormwater manual or the manufacturer's procedures.

5. Keep all heavy equipment off existing soils under LID facilities that have been excavated to final grade to retain the infiltration rate of the soils.

Additional Guidance: See Chapter 5: Precision Site Preparation, Construction & Inspection of LID Facilities in the LID Technical Guidance Manual for Puget Sound (2012) for more detail on protecting LID integrated management practices.

Note that the LID Technical Guidance Manual for Puget Sound (2012) is for additional informational purposes only. You must follow the guidance within this manual if there are any discrepancies between this manual and the LID Technical Guidance Manual for Puget Sound (2012).

Select from the following Best Management Practices, (BMPs), the ones that the Contractor will implement on your site, to meet the erosion control requirements listed above.

- ☐ Buffer Zone – BMP C102
- ☐ High Visibility Fence – BMP C103
- ☐ Interceptor Dike and Swale – BMP C200
- ☐ Grass-Lined Channels – BMP C201
- ☐ Check Dams – BMP C207

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- ☐ Triangular Silt Dike (Geotextile-Encased Check Dam) – BMP C208
- ☐ Brush Barrier – BMP C231
- ☐ Silt Fence – BMP C233
- ☐ Vegetated Strip – BMP C234
- ☐ Other
- ☑ Not Applicable – See explanation below.

Best Management Practices: Volume 2, Construction Stormwater Pollution Prevention, of the Department of Ecology Stormwater Management Manual for Western Washington, is located at https://fortress.wa.gov/ecy/publications/parts/1410055part4.pdf.

Note: The BMPs that the Contractor selects to control the "Protect Low Impact Development BMPs" erosion control element of the project need to be shown or added as a note on the TESC plan.

Describe what actions will be taken to accomplish these requirements and objectives, given the unique circumstances of the project and or site. The Applicant must explain the site conditions or project design features that allow the project to meet the erosion control requirements using some or all of the BMPs listed above.

This does not apply as there are no LIDs within the project limit.

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CONSTRUCTION EMERGENCY CONTACT SHEET

Date _____

Project Name: Eastrail to NE Spring Blvd Trail Link

Project Address: 11608 NE 12 St

Type of Work: Construct new 14' Wide asphalt trail connection.

Developer: _____

Contact:_____ Office:_____ 24-hr: _____

General Contractor: _____

Contact:_____ Office:_____ 24-hr: _____

Utilities Sub-Contractor: _____

President/Owner: _____

Office:_____ Home:_____ 24-hr : _____

Project Manager: _____

Office:_____ Home:_____ 24-hr : _____

Superintendent: _____

Office:_____ Home:_____ 24-hr : _____

Foreman: _____

Office:_____ Home:_____ 24-hr : _____

Erosion Control Lead: _____

Office:_____ Home:_____ 24-hr: _____

City of Bellevue Inspectors

Clearing & Grading Inspector: _____

Office: (425) 452- _____

Building Inspector: _____

Office: (425) 452- _____

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CONSTRUCTION EMERGENCY CONTACT SHEET

INJURY or FIRE– Call 911

Project Location or Address (If no address, describe the location of the construction access so that it can be relayed to emergency responders)

SPILL (Any hazardous materials including diesel fuel, gasoline, hydraulic fluid that enters the storm drain system or receiving waters)

- Call Washington State Department of Ecology (24 hrs) 425-649-7000
- Call Utilities Operations & Maintenance 425-452-7840
- Call Clearing & Grading Inspector or 425-452-4570

FISH KILL OR DISTRESS

- Call Washington Department of Fish and Wildlife Area Habitat Biologist, Larry Fisher 425-313-5683
- Call Clearing & Grading Inspector or 425-452-4570

WATER QUALITY IMPACTS (Site stormwater runoff turbidity exceeds 250 ntu)

- Call Washington State Department of Ecology (24 hrs) 425-649-7000
- Call Clearing & Grading Inspector or 425-452-4570

ARCHAEOLOGICAL FINDS

- Call Clearing & Grading Inspector or 425-452-4570
- Call Army Corps of Engineers, Seattle office, Lyz Ellis, 206-764-3634 (This is all you need to do under the permit)
  Or if there is no response and there is a need for immediate help, call Dr. Whitlam at the Washington State Office of Historic and Archaeological Program (OHAP), 360-407-0771

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CSWPPP
SITE INSPECTION FORM

Project _____ Permit No. _____

Inspector _____ Date _____ Time_____

Inspection Type: ☐ After a rain event ☐ Weekly ☐ Turbidity benchmark exceedance

☐ Other – explain: _____

Weather: _____

Precipitation: Since last inspection _____ inches In last 24 hours _____ inches

Description of General Site Conditions: _____

_____

_____

Will existing BMPs need to be modified or removed, or other BMPs installed? ☐ **YES** ☐ **NO**

If YES, list the action items to be completed on the following table:

Actions to be Completed	Date Completed/ Initials
1.	
2.	
3.	
4.	
5.	

Was water quality sampling (turbidity and pH) part of this inspection? ☐ **YES** ☐ **NO**

If yes, attach Turbidity & pH Monitoring Data Sheet

Is the site in compliance with the CSWPPP and the permit requirements? ☐ **YES** ☐ **NO**

- **If no,** indicate the tasks necessary to bring the site into compliance on the "Actions to be Completed" table above, and include dates each job will be completed.
- **If no, has the non-compliance been reported to the City of Bellevue?** ☐ **YES** ☐ **NO**
- **If no, should the CSWPPP be modified?** ☐ **YES** ☐ **NO**

I certify that this report is true, accurate, and complete, to the best of my knowledge and belief.

Name of Inspector (print) _____ Title/Qualification _____

Signature _____ Date _____

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CSWPPP
SITE INSPECTION FORM

Project _____ Permit No. _____

Inspector _____ Date _____ Time_____

Site BMPs	Overall Condition	Need Repair?	Comments/Observations
Element 1: Clearing Limits			
• Existing Vegetation	G F P	Y N	
• Plastic or Metal Fence	G F P	Y N	
•	G F P	Y N	
Element 2: Construction Access			
• Stabilized Construction Entrance	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 3: Control Flow Rates			
• Sediment Trap	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 4: Sediment Controls			
• Silt Fence	G F P	Y N	
• Straw Wattles	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 5: Stabilize Soils			
• Mulch	G F P	Y N	
• Plastic Covering	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 6: Protect Slopes			
• Plastic Covering	G F P	Y N	
• Seeding	G F P	Y N	
•	G F P	Y N	
Element 7: Protect Drain Inlets			
• Storm Drain Inlet Protection	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Element 8: Stabilize Channels & Outlets			
• Outlet Protection	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	

G=Good, F=Fair, P=Poor, Y=Yes, N=No

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Element 9: Control Pollutants					
• Concrete Handling	G	F	P	Y	N
• Material Delivery, Storage Containment	G	F	P	Y	N
•	G	F	P	Y	N
Element 10: Control Dewatering					
•	G	F	P	Y	N
•	G	F	P	Y	N
•	G	F	P	Y	N
Element 13 Protect Low Impact Development BMPs					
• Buffer Zones	G	F	P	Y	N
• High Visibility Fence	G	F	P	Y	N
• Silt Fence	G	F	P	Y	N
• Vegetated Strip	G	F	P	Y	N
•	G	F	P	Y	N

G=Good, F=Fair, P=Poor, Y=Yes, N=No

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BMP C101: Preserving Natural Vegetation

Purpose

The purpose of preserving natural vegetation is to reduce erosion wherever practicable. Limiting site disturbance is the single most effective method for reducing erosion. For example, conifers can hold up to about 50 percent of all rain that falls during a storm. Up to 20-30 percent of this rain may never reach the ground but is taken up by the tree or evaporates. Another benefit is that the rain held in the tree can be released slowly to the ground after the storm.

Conditions of Use

Natural vegetation should be preserved on steep slopes, near perennial and intermittent watercourses or swales, and on building sites in wooded areas.

- As required by local governments.
- Phase construction to preserve natural vegetation on the project site for as long as possible during the construction period.

Design and Installation Specifications

Natural vegetation can be preserved in natural clumps or as individual trees, shrubs and vines.

The preservation of individual plants is more difficult because heavy equipment is generally used to remove unwanted vegetation. The points to remember when attempting to save individual plants are:

- Is the plant worth saving? Consider the location, species, size, age, vigor, and the work involved. Local governments may also have ordinances to save natural vegetation and trees.
- Fence or clearly mark areas around trees that are to be saved. It is preferable to keep ground disturbance away from the trees at least as far out as the dripline.

  Plants need protection from three kinds of injuries:

- *Construction Equipment* - This injury can be above or below the ground level. Damage results from scarring, cutting of roots, and compaction of the soil. Placing a fenced buffer zone around plants to be saved prior to construction can prevent construction equipment injuries.
- *Grade Changes* - Changing the natural ground level will alter grades, which affects the plant's ability to obtain the necessary air, water, and minerals. Minor fills usually do not cause problems although sensitivity between species does vary and should be checked. Trees can typically tolerate fill of 6 inches or less. For shrubs and other plants, the fill should be less.

  When there are major changes in grade, it may become necessary to supply air to the roots of plants. This can be done by placing a layer of gravel and a tile system over the roots before the fill is made. A tile

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system protects a tree from a raised grade. The tile system should be laid out on the original grade leading from a dry well around the tree trunk. The system should then be covered with small stones to allow air to circulate over the root area.

Lowering the natural ground level can seriously damage trees and shrubs. The highest percentage of the plant roots are in the upper 12 inches of the soil and cuts of only 2-3 inches can cause serious injury. To protect the roots it may be necessary to terrace the immediate area around the plants to be saved. If roots are exposed, construction of retaining walls may be needed to keep the soil in place. Plants can also be preserved by leaving them on an undisturbed, gently sloping mound. To increase the chances for survival, it is best to limit grade changes and other soil disturbances to areas outside the dripline of the plant.

- *Excavations* - Protect trees and other plants when excavating for drainfields, power, water, and sewer lines. Where possible, the trenches should be routed around trees and large shrubs. When this is not possible, it is best to tunnel under them. This can be done with hand tools or with power augers. If it is not possible to route the trench around plants to be saved, then the following should be observed:

  Cut as few roots as possible. When you have to cut, cut clean. Paint cut root ends with a wood dressing like asphalt base paint if roots will be exposed for more than 24-hours.

  Backfill the trench as soon as possible.

  Tunnel beneath root systems as close to the center of the main trunk to preserve most of the important feeder roots.

Some problems that can be encountered with a few specific trees are:

- Maple, Dogwood, Red alder, Western hemlock, Western red cedar, and Douglas fir do not readily adjust to changes in environment and special care should be taken to protect these trees.
- The windthrow hazard of Pacific silver fir and madrona is high, while that of Western hemlock is moderate. The danger of windthrow increases where dense stands have been thinned. Other species (unless they are on shallow, wet soils less than 20 inches deep) have a low windthrow hazard.
- Cottonwoods, maples, and willows have water-seeking roots. These can cause trouble in sewer lines and infiltration fields. On the other hand, they thrive in high moisture conditions that other trees would not.
- Thinning operations in pure or mixed stands of Grand fir, Pacific silver fir, Noble fir, Sitka spruce, Western red cedar, Western hemlock, Pacific dogwood, and Red alder can cause serious disease problems.

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Disease can become established through damaged limbs, trunks, roots, and freshly cut stumps. Diseased and weakened trees are also susceptible to insect attack.

Maintenance Standards

Inspect flagged and/or fenced areas regularly to make sure flagging or fencing has not been removed or damaged. If the flagging or fencing has been damaged or visibility reduced, it shall be repaired or replaced immediately and visibility restored.

- If tree roots have been exposed or injured, "prune" cleanly with an appropriate pruning saw or loppers directly above the damaged roots and recover with native soils. Treatment of sap flowing trees (fir, hemlock, pine, soft maples) is not advised as sap forms a natural healing barrier.

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BMP C103: High Visibility Fence

Purpose

Fencing is intended to:

1. Restrict clearing to approved limits.
2. Prevent disturbance of sensitive areas, their buffers, and other areas required to be left undisturbed.
3. Limit construction traffic to designated construction entrances, exits, or internal roads.
4. Protect areas where marking with survey tape may not provide adequate protection.

Conditions of Use

To establish clearing limits plastic, fabric, or metal fence may be used:

- At the boundary of sensitive areas, their buffers, and other areas required to be left uncleared.
- As necessary to control vehicle access to and on the site.

Design and Installation Specifications

High visibility plastic fence shall be composed of a high-density polyethylene material and shall be at least four feet in height. Posts for the fencing shall be steel or wood and placed every 6 feet on center (maximum) or as needed to ensure rigidity. The fencing shall be fastened to the post every six inches with a polyethylene tie. On long continuous lengths of fencing, a tension wire or rope shall be used as a top stringer to prevent sagging between posts. The fence color shall be high visibility orange. The fence tensile strength shall be 360 lbs./ft. using the ASTM D4595 testing method.

If appropriate install fabric silt fence in accordance with BMP C233 to act as high visibility fence. Silt fence shall be at least 3 feet high and must be highly visible to meet the requirements of this BMP.

Metal fences shall be designed and installed according to the manufacturer's specifications.

Metal fences shall be at least 3 feet high and must be highly visible.

Fences shall not be wired or stapled to trees.

Maintenance Standards

If the fence has been damaged or visibility reduced, it shall be repaired or replaced immediately and visibility restored.

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BMP C105: Stabilized Construction Entrance / Exit

Purpose

Stabilized Construction entrances are established to reduce the amount of sediment transported onto paved roads by vehicles or equipment. This is done by constructing a stabilized pad of quarry spalls at entrances and exits for construction sites.

Conditions of Use

Construction entrances shall be stabilized wherever traffic will be entering or leaving a construction site if paved roads or other paved areas are within 1,000 feet of the site.

For residential construction provide stabilized construction entrances for each residence, rather than only at the main subdivision entrance. Stabilized surfaces shall be of sufficient length/width to provide vehicle access/parking, based on lot size/configuration.

On large commercial, highway, and road projects, the designer should include enough extra materials in the contract to allow for additional stabilized entrances not shown in the initial Construction SWPPP. It is difficult to determine exactly where access to these projects will take place; additional materials will enable the contractor to install them where needed.

Design and Installation Specifications

See Figure 4.1.1 for details. Note: the 100' minimum length of the entrance shall be reduced to the maximum practicable size when the size or configuration of the site does not allow the full length (100').

Construct stabilized construction entrances with a 12-inch thick pad of 4-inch to 8-inch quarry spalls, a 4-inch course of asphalt treated base (ATB), or use existing pavement. Do not use crushed concrete, cement, or calcium chloride for construction entrance stabilization because these products raise pH levels in stormwater and concrete discharge to surface waters of the State is prohibited.

A separation geotextile shall be placed under the spalls to prevent fine sediment from pumping up into the rock pad. The geotextile shall meet the following standards:

Grab Tensile Strength (ASTM D4751)	200 psi min.
Grab Tensile Elongation (ASTM D4632)	30% max.
Mullen Burst Strength (ASTM D3786-80a)	400 psi min.
AOS (ASTM D4751)	20-45 (U.S. standard sieve size)

- Consider early installation of the first lift of asphalt in areas that will paved; this can be used as a stabilized entrance. Also consider the installation of excess concrete as a stabilized entrance. During large concrete pours, excess concrete is often available for this purpose.

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- Fencing (see BMP C103) shall be installed as necessary to restrict traffic to the construction entrance.
- Whenever possible, the entrance shall be constructed on a firm, compacted subgrade. This can substantially increase the effectiveness of the pad and reduce the need for maintenance.
- Construction entrances should avoid crossing existing sidewalks and back of walk drains if at all possible. If a construction entrance must cross a sidewalk or back of walk drain, the full length of the sidewalk and back of walk drain must be covered and protected from sediment leaving the site.

Maintenance Standards

Quarry spalls shall be added if the pad is no longer in accordance with the specifications.

- If the entrance is not preventing sediment from being tracked onto pavement, then alternative measures to keep the streets free of sediment shall be used. This may include replacement/cleaning of the existing quarry spalls, street sweeping, an increase in the dimensions of the entrance, or the installation of a wheel wash.
- Any sediment that is tracked onto pavement shall be removed by shoveling or street sweeping. The sediment collected by sweeping shall be removed or stabilized on site. The pavement shall not be cleaned by washing down the street, except when high efficiency sweeping is ineffective and there is a threat to public safety. If it is necessary to wash the streets, the construction of a small sump to contain the wash water shall be considered. The sediment would then be washed into the sump where it can be controlled.
- Perform street sweeping by hand or with a high efficiency sweeper. Do not use a non-high efficiency mechanical sweeper because this creates dust and throws soils into storm systems or conveyance ditches.
- Any quarry spalls that are loosened from the pad, which end up on the roadway shall be removed immediately.
- If vehicles are entering or exiting the site at points other than the construction entrance(s), fencing (see BMP C103) shall be installed to control traffic.
- Upon project completion and site stabilization, all construction accesses intended as permanent access for maintenance shall be permanently stabilized.

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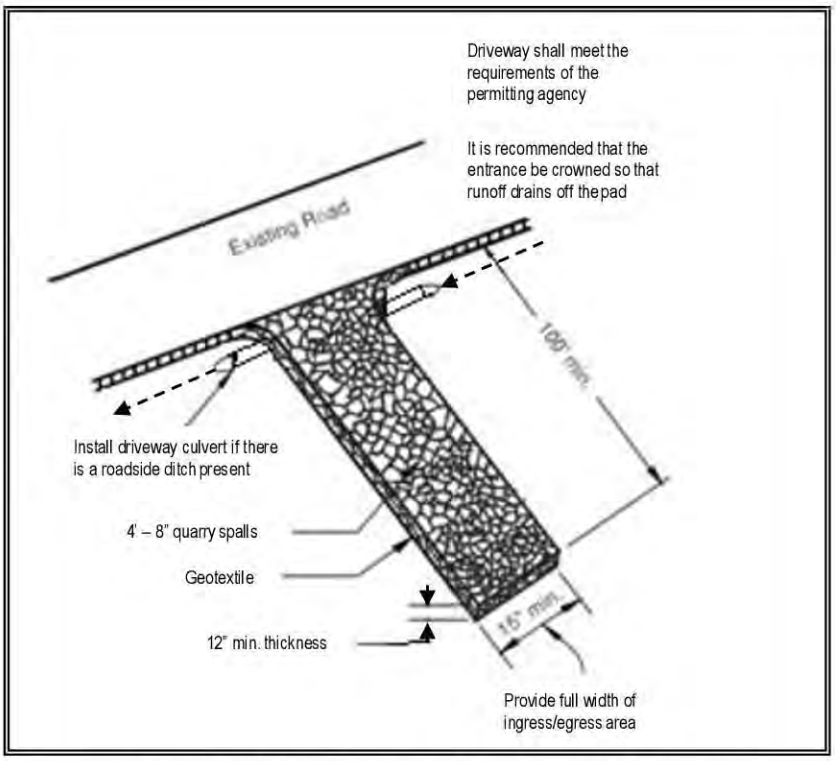

Figure 4.1.1 – Stabilized Construction Entrance

Approved as Equivalent

Ecology has approved products as able to meet the requirements of BMP C105. The products did not pass through the Technology Assessment Protocol – Ecology (TAPE) process. Local jurisdictions may choose not to accept this product approved as equivalent, or may require additional testing prior to consideration for local use. The products are available for review on Ecology's website at http://www.ecy.wa.gov/programs/wq/stormwater/newtech/equivalent.html

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BMP C106: Wheel Wash

Purpose

Wheel washes reduce the amount of sediment transported onto paved roads by motor vehicles.

Conditions of Use

When a stabilized construction entrance (see BMP C105) is not preventing sediment from being tracked onto pavement.

- Wheel washing is generally an effective BMP when installed with careful attention to topography. For example, a wheel wash can be detrimental if installed at the top of a slope abutting a right-of-way where the water from the dripping truck can run unimpeded into the street.
- Pressure washing combined with an adequately sized and surfaced pad with direct drainage to a large 10-foot x 10-foot sump can be very effective.
- Discharge wheel wash or tire bath wastewater to a separate on-site treatment system that prevents discharge to surface water, such as closed-loop recirculation or upland land application, or to the sanitary sewer with local sewer district approval.
- Wheel wash or tire bath wastewater should not include wastewater from concrete washout areas.

Design and Installation Specifications

Suggested details are shown in Figure 4.1.2. The Local Permitting Authority may allow other designs. A minimum of 6 inches of asphalt treated base (ATB) over crushed base material or 8 inches over a good subgrade is recommended to pave the wheel wash.

Use a low clearance truck to test the wheel wash before paving. Either a belly dump or lowboy will work well to test clearance.

Keep the water level from 12 to 14 inches deep to avoid damage to truck hubs and filling the truck tongues with water.

Midpoint spray nozzles are only needed in extremely muddy conditions.

Wheel wash systems should be designed with a small grade change, 6- to 12-inches for a 10-foot-wide pond, to allow sediment to flow to the low side of pond to help prevent re-suspension of sediment. A drainpipe with a 2- to 3-foot riser should be installed on the low side of the pond to allow for easy cleaning and refilling. Polymers may be used to promote coagulation and flocculation in a closed-loop system. Polyacrylamide (PAM) added to the wheel wash water at a rate of 0.25 - 0.5 pounds per 1,000 gallons of water increases effectiveness and reduces cleanup time. If PAM is already being used for dust or erosion control and is being applied by a water truck, the same truck can be used to change the wash water.

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Maintenance Standards

The wheel wash should start out the day with fresh water.

The wash water should be changed a minimum of once per day. On large earthwork jobs where more than 10-20 trucks per hour are expected, the wash water will need to be changed more often.

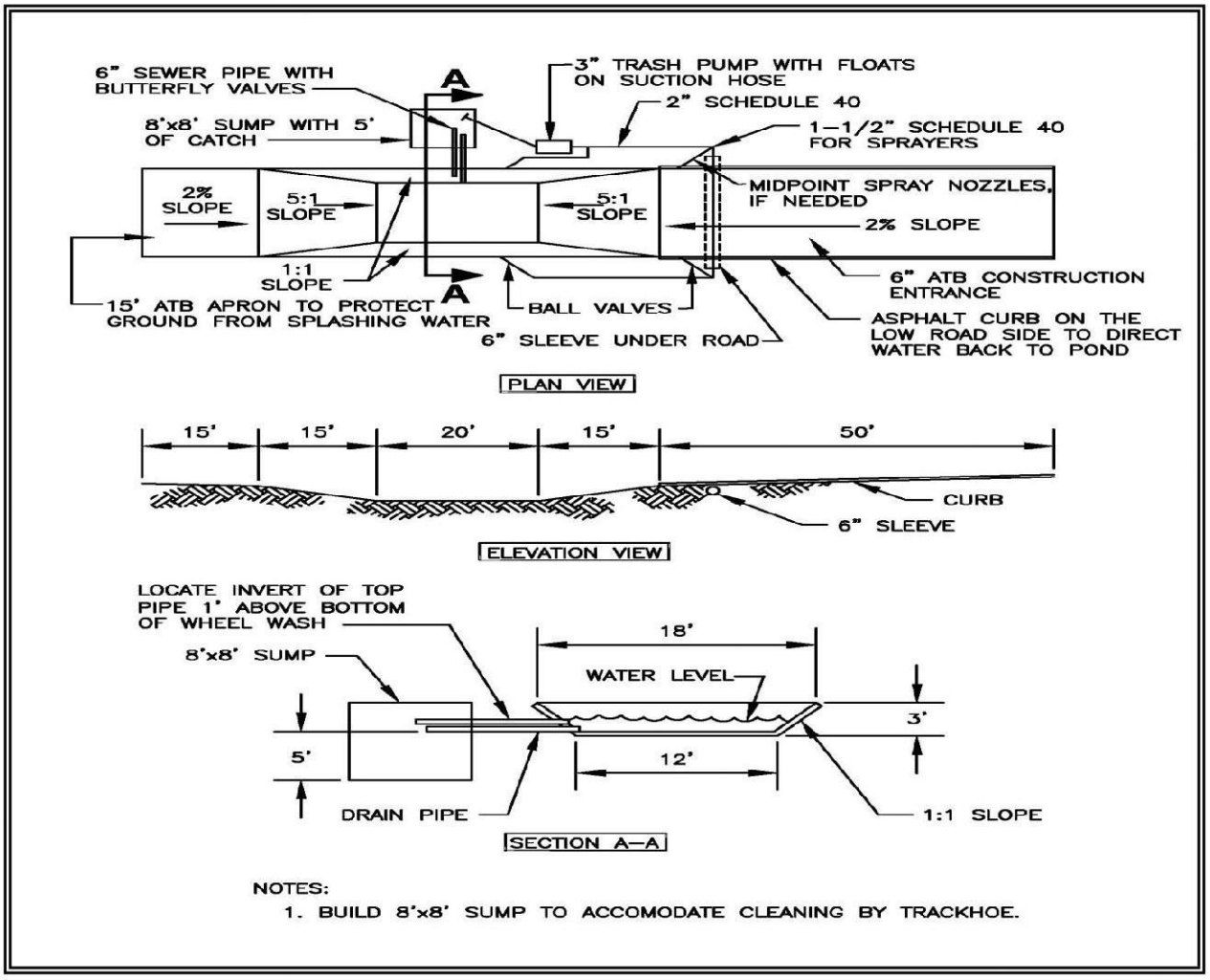

Figure 4.1.2 – Wheel Wash

Notes:

1. Asphalt construction entrance 6 in. asphalt treated base (ATB).
2. 3-inch trash pump with floats on the suction hose.
3. Midpoint spray nozzles, if needed.
4. 6-inch sewer pipe with butterfly valves. Bottom one is a drain. Locate top pipe's invert 1 foot above bottom of wheel wash.
5. 8 foot x 8 foot sump with 5 feet of catch. Build so the sump can be cleaned with a trackhoe.
6. Asphalt curb on the low road side to direct water back to pond.

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7. 6-inch sleeve under road.
8. Ball valves.
9. 15 foot. ATB apron to protect ground from splashing water.

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BMP C123: Plastic Covering

Purpose

Plastic covering provides immediate, short-term erosion protection to slopes and disturbed areas.

Conditions of Use

Plastic covering may be used on disturbed areas that require cover measures for less than 30 days, except as stated below.

- Plastic is particularly useful for protecting cut and fill slopes and stockpiles. Note: The relatively rapid breakdown of most polyethylene sheeting makes it unsuitable for long-term (greater than six months) applications.
- Due to rapid runoff caused by plastic covering, do not use this method upslope of areas that might be adversely impacted by concentrated runoff. Such areas include steep and/or unstable slopes.
- Plastic sheeting may result in increased runoff volumes and velocities, requiring additional on-site measures to counteract the increases. Creating a trough with wattles or other material can convey clean water away from these areas.
- To prevent undercutting, trench and backfill rolled plastic covering products.
- While plastic is inexpensive to purchase, the added cost of installation, maintenance, removal, and disposal make this an expensive material, up to $1.50-2.00 per square yard.
- Whenever plastic is used to protect slopes install water collection measures at the base of the slope. These measures include plastic-covered berms, channels, and pipes used to covey clean rainwater away from bare soil and disturbed areas. Do not mix clean runoff from a plastic covered slope with dirty runoff from a project.
- Other uses for plastic include:
    1. Temporary ditch liner.
    2. Pond liner in temporary sediment pond.
    3. Liner for bermed temporary fuel storage area if plastic is not reactive to the type of fuel being stored.
    4. Emergency slope protection during heavy rains.
    5. Temporary drainpipe ("elephant trunk") used to direct water.

Design and Installation Specifications

- Plastic slope cover must be installed as follows:
    1. Run plastic up and down slope, not across slope.
    2. Plastic may be installed perpendicular to a slope if the slope length is less than 10 feet.
    3. Minimum of 8-inch overlap at seams.

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4. On long or wide slopes, or slopes subject to wind, tape all seams.
5. Place plastic into a small (12-inch wide by 6-inch deep) slot trench at the top of the slope and backfill with soil to keep water from flowing underneath.
6. Place sand filled burlap or geotextile bags every 3 to 6 feet along seams and tie them together with twine to hold them in place.
7. Inspect plastic for rips, tears, and open seams regularly and repair immediately. This prevents high velocity runoff from contacting bare soil which causes extreme erosion.
8. Sandbags may be lowered into place tied to ropes. However, all sandbags must be staked in place.

- Plastic sheeting shall have a minimum thickness of 0.06 millimeters.
- If erosion at the toe of a slope is likely, a gravel berm, riprap, or other suitable protection shall be installed at the toe of the slope in order to reduce the velocity of runoff.

Maintenance Standards

- Torn sheets must be replaced and open seams repaired.
- Completely remove and replace the plastic if it begins to deteriorate due to ultraviolet radiation.
- Completely remove plastic when no longer needed.
- Dispose of old tires used to weight down plastic sheeting appropriately.

Approved as Equivalent

Ecology has approved products as able to meet the requirements of BMP C123. The products did not pass through the Technology Assessment Protocol – Ecology (TAPE) process. Local jurisdictions may choose not to accept this product approved as equivalent, or may require additional testing prior to consideration for local use. The products are available for review on Ecology's website at http://www.ecy.wa.gov/programs/wq/stormwater/newtech/equivalent.html

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BMP C140: Dust Control

Purpose

Dust control prevents wind transport of dust from disturbed soil surfaces onto roadways, drainage ways, and surface waters.

Conditions of Use

- In areas (including roadways) subject to surface and air movement of dust where on-site and off-site impacts to roadways, drainage ways, or surface waters are likely.

Design and Installation Specifications

- Vegetate or mulch areas that will not receive vehicle traffic. In areas where planting, mulching, or paving is impractical, apply gravel or landscaping rock.
- Limit dust generation by clearing only those areas where immediate activity will take place, leaving the remaining area(s) in the original condition. Maintain the original ground cover as long as practical.
- Construct natural or artificial windbreaks or windscreens. These may be designed as enclosures for small dust sources.
- Sprinkle the site with water until surface is wet. Repeat as needed. To prevent carryout of mud onto street, refer to Stabilized Construction Entrance (BMP C105).
- Irrigation water can be used for dust control. Irrigation systems should be installed as a first step on sites where dust control is a concern.
- Spray exposed soil areas with a dust palliative, following the manufacturer's instructions and cautions regarding handling and application. Used oil is prohibited from use as a dust suppressant. Local governments may approve other dust palliatives such as calcium chloride or PAM.
- PAM (BMP C126) added to water at a rate of 0.5 lbs. per 1,000 gallons of water per acre and applied from a water truck is more effective than water alone. This is due to increased infiltration of water into the soil and reduced evaporation. In addition, small soil particles are bonded together and are not as easily transported by wind. Adding PAM may actually reduce the quantity of water needed for dust control. Use of PAM could be a cost-effective dust control method.

Techniques that can be used for unpaved roads and lots include:

- Lower speed limits. High vehicle speed increases the amount of dust stirred up from unpaved roads and lots.
- Upgrade the road surface strength by improving particle size, shape, and mineral types that make up the surface and base materials.
- Add surface gravel to reduce the source of dust emission. Limit the amount of fine particles (those smaller than .075 mm) to 10 to 20 percent.

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- Use geotextile fabrics to increase the strength of new roads or roads undergoing reconstruction.
- Encourage the use of alternate, paved routes, if available.
- Restrict use of paved roadways by tracked vehicles and heavy trucks to prevent damage to road surface and base.
- Apply chemical dust suppressants using the admix method, blending the product with the top few inches of surface material. Suppressants may also be applied as surface treatments.
- Pave unpaved permanent roads and other trafficked areas.
- Use vacuum street sweepers.
- Remove mud and other dirt promptly so it does not dry and then turn into dust.
- Limit dust-causing work on windy days.
- Contact your local Air Pollution Control Authority for guidance and training on other dust control measures. Compliance with the local Air Pollution Control Authority constitutes compliance with this BMP.

Maintenance Standards

Respray area as necessary to keep dust to a minimum.

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BMP C151: Concrete Handling

Purpose

Concrete work can generate process water and slurry that contain fine particles and high pH, both of which can violate water quality standards in the receiving water. Concrete spillage or concrete discharge to surface waters of the State is prohibited. Use this BMP to minimize and eliminate concrete, concrete process water, and concrete slurry from entering waters of the state.

Condition of Use

Any time concrete is used, utilize these management practices. Concrete construction projects include, but are not limited to, the following:

- Curbs
- Sidewalks
- Roads
- Bridges
- Foundations
- Floors
- Runways

Design and Installation Specifications

- Assure that washout of concrete trucks, chutes, pumps, and internals is performed at an approved off-site location or in designated concrete washout areas. Do not wash out concrete trucks onto the ground, or into storm drains, open ditches, streets, or streams. Refer to BMP C154 for information on concrete washout areas.
- Return unused concrete remaining in the truck and pump to the originating batch plant for recycling. Do not dump excess concrete on site, except in designated concrete washout areas.
- Wash off hand tools including, but not limited to, screeds, shovels, rakes, floats, and trowels into formed areas only.
- Wash equipment difficult to move, such as concrete pavers in areas that do not directly drain to natural or constructed stormwater conveyances.
- Do not allow washdown from areas, such as concrete aggregate driveways, to drain directly to natural or constructed stormwater conveyances.
- Contain washwater and leftover product in a lined container when no formed areas are available. Dispose of contained concrete in a manner that does not violate ground water or surface water quality standards.

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- Always use forms or solid barriers for concrete pours, such as pilings, within 15-feet of surface waters.
- Refer to BMPs C252 and C253 for pH adjustment requirements.
- Refer to the Construction Stormwater General Permit for pH monitoring requirements if the project involves one of the following activities:
  - Significant concrete work (greater than 1,000 cubic yards poured concrete or recycled concrete used over the life of a project).
  - The use of engineered soils amended with (but not limited to) Portland cement-treated base, cement kiln dust or fly ash.
  - Discharging stormwater to segments of water bodies on the 303(d) list (Category 5) for high pH.

Maintenance Standards

Check containers for holes in the liner daily during concrete pours and repair the same day.

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BMP C152: Sawcutting and Surfacing Pollution Prevention

Purpose

Sawcutting and surfacing operations generate slurry and process water that contains fine particles and high pH (concrete cutting), both of which can violate the water quality standards in the receiving water. Concrete spillage or concrete discharge to surface waters of the State is prohibited. Use this BMP to minimize and eliminate process water and slurry created through sawcutting or surfacing from entering waters of the State.

Conditions of Use

Utilize these management practices anytime sawcutting or surfacing operations take place. Sawcutting and surfacing operations include, but are not limited to, the following:

- Sawing
- Coring
- Grinding
- Roughening
- Hydro-demolition
- Bridge and road surfacing

Design and Installation Specifications

- Vacuum slurry and cuttings during cutting and surfacing operations.
- Slurry and cuttings shall not remain on permanent concrete or asphalt pavement overnight.
- Slurry and cuttings shall not drain to any natural or constructed drainage conveyance including stormwater systems. This may require temporarily blocking catch basins.
- Dispose of collected slurry and cuttings in a manner that does not violate ground water or surface water quality standards.
- Do not allow process water generated during hydro-demolition, surface roughening or similar operations to drain to any natural or constructed drainage conveyance including stormwater systems. Dispose process water in a manner that does not violate ground water or surface water quality standards.
- Handle and dispose cleaning waste material and demolition debris in a manner that does not cause contamination of water. Dispose of sweeping material from a pick-up sweeper at an appropriate disposal site.

Maintenance Standards

Continually monitor operations to determine whether slurry, cuttings, or process water could enter waters of the state. If inspections show that a violation of water quality standards could occur, stop operations and immediately implement preventive measures such as berms, barriers, secondary containment, and vacuum trucks.

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BMP C153: Material Delivery, Storage and Containment

Purpose

Prevent, reduce, or eliminate the discharge of pollutants to the stormwater system or watercourses from material delivery and storage. Minimize the storage of hazardous materials on-site, store materials in a designated area, and install secondary containment.

Conditions of Use

These procedures are suitable for use at all construction sites with delivery and storage of the following materials:

- Petroleum products such as fuel, oil and grease
- Soil stabilizers and binders (e.g., Polyacrylamide)
- Fertilizers, pesticides and herbicides
- Detergents
- Asphalt and concrete compounds
- Hazardous chemicals such as acids, lime, adhesives, paints, solvents, and curing compounds
- Any other material that may be detrimental if released to the environment

Design and Installation Specifications

The following steps should be taken to minimize risk:

- Temporary storage area should be located away from vehicular traffic, near the construction entrance(s), and away from waterways or storm drains.
- Material Safety Data Sheets (MSDS) should be supplied for all materials stored. Chemicals should be kept in their original labeled containers.
- Hazardous material storage on-site should be minimized.
- Hazardous materials should be handled as infrequently as possible.
- During the wet weather season (Oct 1 – April 30), consider storing materials in a covered area.
- Materials should be stored in secondary containments, such as earthen dike, horse trough, or even a children's wading pool for non-reactive materials such as detergents, oil, grease, and paints. Small amounts of material may be secondarily contained in "bus boy" trays or concrete mixing trays.
- Do not store chemicals, drums, or bagged materials directly on the ground. Place these items on a pallet and, when possible, and within secondary containment.
- If drums must be kept uncovered, store them at a slight angle to reduce ponding of rainwater on the lids to reduce corrosion. Domed plastic covers are inexpensive and snap to the top of drums, preventing water from collecting.

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Material Storage Areas and Secondary Containment Practices:

- Liquids, petroleum products, and substances listed in 40 CFR Parts 110, 117, or 302 shall be stored in approved containers and drums and shall not be overfilled. Containers and drums shall be stored in temporary secondary containment facilities.
- Temporary secondary containment facilities shall provide for a spill containment volume able to contain 10% of the total enclosed container volume of all containers, or 110% of the capacity of the largest container within its boundary, whichever is greater.
- Secondary containment facilities shall be impervious to the materials stored therein for a minimum contact time of 72 hours.
- Secondary containment facilities shall be maintained free of accumulated rainwater and spills. In the event of spills or leaks, accumulated rainwater and spills shall be collected and placed into drums. These liquids shall be handled as hazardous waste unless testing determines them to be non-hazardous.
- Sufficient separation should be provided between stored containers to allow for spill cleanup and emergency response access.
- During the wet weather season (Oct 1 – April 30), each secondary containment facility shall be covered during non-working days, prior to and during rain events.
- Keep material storage areas clean, organized and equipped with an ample supply of appropriate spill clean-up material (spill kit).
- The spill kit should include, at a minimum:
    - 1-Water Resistant Nylon Bag
    - 3-Oil Absorbent Socks 3"x 4'
    - 2-Oil Absorbent Socks 3"x 10'
    - 12-Oil Absorbent Pads 17"x19"
    - 1-Pair Splash Resistant Goggles
    - 3-Pair Nitrile Gloves
    - 10-Disposable Bags with Ties
    - Instructions

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BMP C202: Channel Lining

Purpose

To protect channels by providing a channel liner using either blankets or riprap.

Conditions of Use

When natural soils or vegetated stabilized soils in a channel are not adequate to prevent channel erosion.

- When a permanent ditch or pipe system is to be installed and a temporary measure is needed.
- In almost all cases, synthetic and organic coconut blankets are more effective than riprap for protecting channels from erosion. Blankets can be used with and without vegetation. Blanketed channels can be designed to handle any expected flow and longevity requirement. Some synthetic blankets have a predicted life span of 50 years or more, even in sunlight.
- Other reasons why blankets are better than rock include the availability of blankets over rock. In many areas of the state, rock is not easily obtainable or is very expensive to haul to a site. Blankets can be delivered anywhere. Rock requires the use of dump trucks to haul and heavy equipment to place. Blankets usually only require laborers with hand tools, and sometimes a backhoe.
- The Federal Highway Administration recommends not using flexible liners whenever the slope exceeds 10 percent or the shear stress exceeds 8 lbs/ft^2.

Design and Installation Specifications

See BMP C122 for information on blankets.

Since riprap is used where erosion potential is high, construction must be sequenced so that the riprap is put in place with the minimum possible delay.

- Disturbance of areas where riprap is to be placed should be undertaken only when final preparation and placement of the riprap can follow immediately behind the initial disturbance. Where riprap is used for outlet protection, the riprap should be placed before or in conjunction with the construction of the pipe or channel so that it is in place when the pipe or channel begins to operate.
- The designer, after determining the riprap size that will be stable under the flow conditions, shall consider that size to be a minimum size and then, based on riprap gradations actually available in the area, select the size or sizes that equal or exceed the minimum size. The possibility of drainage structure damage by children shall be considered in selecting a riprap size, especially if there is nearby water or a gully in which to toss the stones.

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- Stone for riprap shall consist of field stone or quarry stone of approximately rectangular shape. The stone shall be hard and angular and of such quality that it will not disintegrate on exposure to water or weathering and it shall be suitable in all respects for the purpose intended.
- A lining of engineering filter fabric (geotextile) shall be placed between the riprap and the underlying soil surface to prevent soil movement into or through the riprap. The geotextile should be keyed in at the top of the bank.
- Filter fabric shall not be used on slopes greater than 1-1/2H:1V as slippage may occur. It should be used in conjunction with a layer of coarse aggregate (granular filter blanket) when the riprap to be placed is 12 inches and larger.

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BMP C209: Outlet Protection

Purpose

Outlet protection prevents scour at conveyance outlets and minimizes the potential for downstream erosion by reducing the velocity of concentrated stormwater flows.

Conditions of use

Outlet protection is required at the outlets of all ponds, pipes, ditches, or other conveyances, and where runoff is conveyed to a natural or manmade drainage feature such as a stream, wetland, lake, or ditch.

Design and Installation Specifications

The receiving channel at the outlet of a culvert shall be protected from erosion by rock lining a minimum of 6 feet downstream and extending up the channel sides a minimum of 1–foot above the maximum tailwater elevation or 1-foot above the crown, whichever is higher. For large pipes (more than 18 inches in diameter), the outlet protection lining of the channel is lengthened to four times the diameter of the culvert.

- Standard wingwalls, and tapered outlets and paved channels should also be considered when appropriate for permanent culvert outlet protection. (See WSDOT Hydraulic Manual, available through WSDOT Engineering Publications).
- Organic or synthetic erosion blankets, with or without vegetation, are usually more effective than rock, cheaper, and easier to install. Materials can be chosen using manufacturer product specifications. ASTM test results are available for most products and the designer can choose the correct material for the expected flow.
- With low flows, vegetation (including sod) can be effective.
- The following guidelines shall be used for riprap outlet protection:
    1. If the discharge velocity at the outlet is less than 5 fps (pipe slope less than 1 percent), use 2-inch to 8-inch riprap. Minimum thickness is 1-foot.
    2. For 5 to 10 fps discharge velocity at the outlet (pipe slope less than 3 percent), use 24-inch to 48-inch riprap. Minimum thickness is 2 feet.
    3. For outlets at the base of steep slope pipes (pipe slope greater than 10 percent), an engineered energy dissipater shall be used.
- Filter fabric or erosion control blankets should always be used under riprap to prevent scour and channel erosion.
- New pipe outfalls can provide an opportunity for low-cost fish habitat improvements. For example, an alcove of low-velocity water can be created by constructing the pipe outfall and associated energy dissipater back from the stream edge and digging a channel, over- widened to the upstream side, from the

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outfall. Overwintering juvenile and migrating adult salmonids may use the alcove as shelter during high flows. Bank stabilization, bioengineering, and habitat features may be required for disturbed areas. This work may require a HPA. See Volume V for more information on outfall system design.

Maintenance Standards

- Inspect and repair as needed.
- Add rock as needed to maintain the intended function.
- Clean energy dissipater if sediment builds up.

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BMP C220: Storm Drain Inlet Protection

Purpose

Storm drain inlet protection prevents coarse sediment from entering drainage systems prior to permanent stabilization of the disturbed area.

Conditions of Use

Use storm drain inlet protection at inlets that are operational before permanent stabilization of the disturbed drainage area. Provide protection for all storm drain inlets downslope and within 500 feet of a disturbed or construction area, unless conveying runoff entering catch basins to a sediment pond or trap.

Also consider inlet protection for lawn and yard drains on new home construction. These small and numerous drains coupled with lack of gutters in new home construction can add significant amounts of sediment into the roof drain system. If possible delay installing lawn and yard drains until just before landscaping or cap these drains to prevent sediment from entering the system until completion of landscaping. Provide 18-inches of sod around each finished lawn and yard drain.

Table 4.2.2 lists several options for inlet protection. All of the methods for storm drain inlet protection tend to plug and require a high frequency of maintenance. Limit drainage areas to one acre or less. Possibly provide emergency overflows with additional end-of-pipe treatment where stormwater ponding would cause a hazard.

Table 4.2.2
Storm Drain Inlet Protection

Type of Inlet Protection	Emergency Overflow	Applicable for Paved/ Earthen Surfaces	Conditions of Use
Drop Inlet Protection			
Excavated drop inlet protection	Yes, temporary flooding will occur	Earthen	Applicable for heavy flows. Easy to maintain. Large area Requirement: 30' X 30'/acre
Block and gravel drop inlet protection	Yes	Paved or Earthen	Applicable for heavy concentrated flows. Will not pond.
Gravel and wire drop inlet protection	No		Applicable for heavy concentrated flows. Will pond. Can withstand traffic.
Catch basin filters	Yes	Paved or Earthen	Frequent maintenance required.
Curb Inlet Protection			
Curb inlet protection with a wooden weir	Small capacity overflow	Paved	Used for sturdy, more compact installation.
Block and gravel curb inlet protection	Yes	Paved	Sturdy, but limited filtration.
Culvert Inlet Protection			
Culvert inlet sediment trap			18 month expected life.

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Design and Installation Specifications

Excavated Drop Inlet Protection - An excavated impoundment around the storm drain. Sediment settles out of the stormwater prior to entering the storm drain.

- Provide a depth of 1-2 ft as measured from the crest of the inlet structure.
- Slope sides of excavation no steeper than 2H:1V.
- Minimum volume of excavation 35 cubic yards.
- Shape basin to fit site with longest dimension oriented toward the longest inflow area.
- Install provisions for draining to prevent standing water problems.
- Clear the area of all debris.
- Grade the approach to the inlet uniformly.
- Drill weep holes into the side of the inlet.
- Protect weep holes with screen wire and washed aggregate.
- Seal weep holes when removing structure and stabilizing area.
- Build a temporary dike, if necessary, to the down slope side of the structure to prevent bypass flow.

Block and Gravel Filter - A barrier formed around the storm drain inlet with standard concrete blocks and gravel. See Figure 4.2.8.

- Provide a height of 1 to 2 feet above inlet.
- Recess the first row 2-inches into the ground for stability.
- Support subsequent courses by placing a 2x4 through the block opening.
- Do not use mortar.
- Lay some blocks in the bottom row on their side for dewatering the pool.
- Place hardware cloth or comparable wire mesh with ½-inch openings over all block openings.
- Place gravel just below the top of blocks on slopes of 2H:1V or flatter.
- An alternative design is a gravel donut.
- Provide an inlet slope of 3H:1V.
- Provide an outlet slope of 2H:1V.
- Provide a1-foot wide level stone area between the structure and the inlet.
- Use inlet slope stones 3 inches in diameter or larger.
- Use gravel ½- to ¾-inch at a minimum thickness of 1-foot for the outlet slope.

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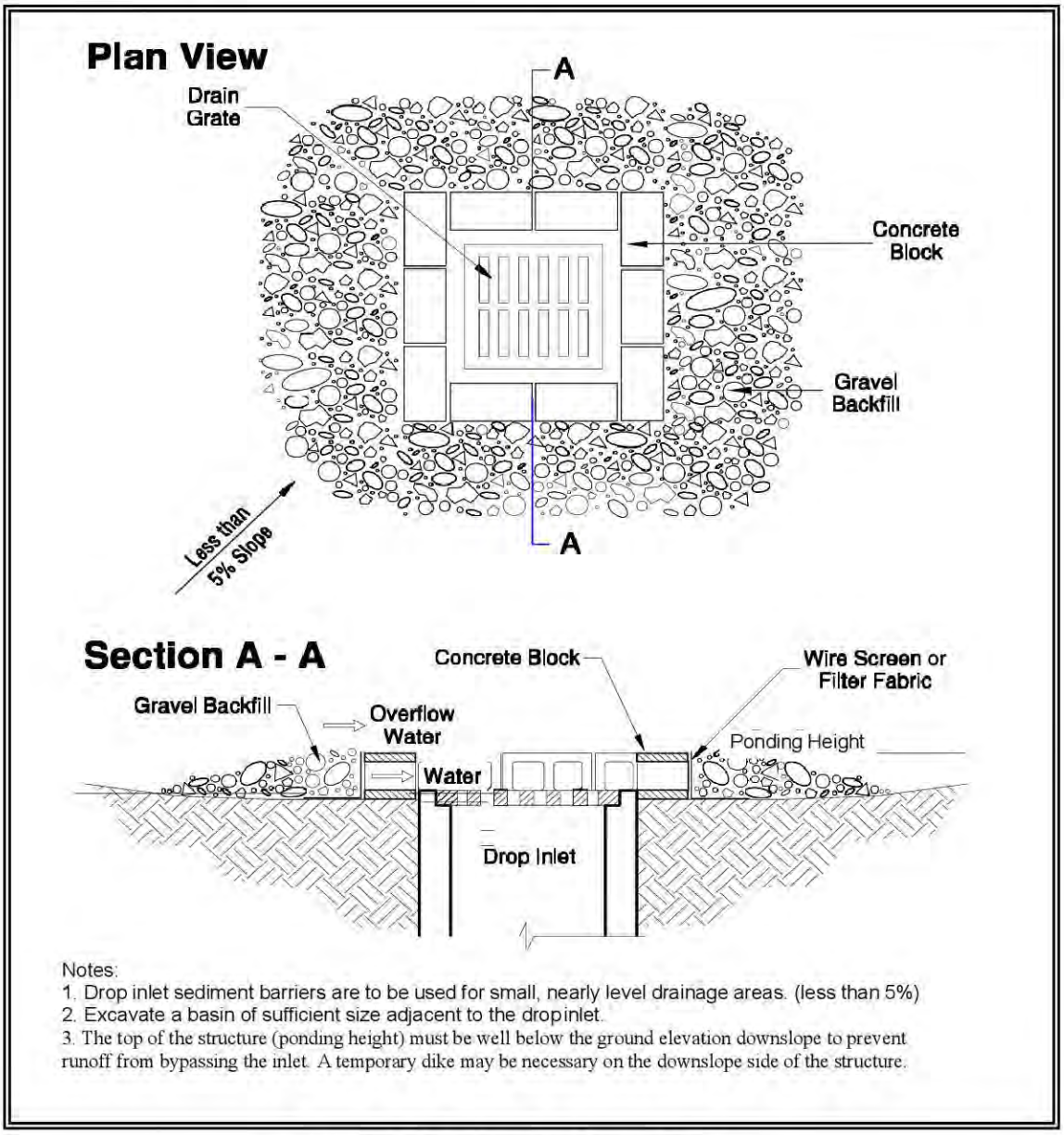

Figure 4.2.8 – Block and Gravel Filter

Gravel and Wire Mesh Filter - A gravel barrier placed over the top of the inlet. This structure does not provide an overflow.

- Use a hardware cloth or comparable wire mesh with ½-inch openings.
- Use coarse aggregate.
- Provide a height 1-foot or more, 18-inches wider than inlet on all sides.
- Place wire mesh over the drop inlet so that the wire extends a minimum of 1-foot beyond each side of the inlet structure.
- Overlap the strips if more than one strip of mesh is necessary.

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- Place coarse aggregate over the wire mesh.
- Provide at least a 12-inch depth of gravel over the entire inlet opening and extend at least 18-inches on all sides.

Catchbasin Filters – Use inserts designed by manufacturers for construction sites. The limited sediment storage capacity increases the amount of inspection and maintenance required, which may be daily for heavy sediment loads. To reduce maintenance requirements combine a catchbasin filter with another type of inlet protection. This type of inlet protection provides flow bypass without overflow and therefore may be a better method for inlets located along active rights-of-way.

- Provides 5 cubic feet of storage.
- Requires dewatering provisions.
- Provides a high-flow bypass that will not clog under normal use at a construction site.
- Insert the catchbasin filter in the catchbasin just below the grating.

Curb Inlet Protection with Wooden Weir – Barrier formed around a curb inlet with a wooden frame and gravel.

- Use wire mesh with ½-inch openings.
- Use extra strength filter cloth.
- Construct a frame.
- Attach the wire and filter fabric to the frame.
- Pile coarse washed aggregate against wire/fabric.
- Place weight on frame anchors.

Block and Gravel Curb Inlet Protection – Barrier formed around a curb inlet with concrete blocks and gravel. See Figure 4.2.9.

- Use wire mesh with ½-inch openings.
- Place two concrete blocks on their sides abutting the curb at either side of the inlet opening. These are spacer blocks.
- Place a 2x4 stud through the outer holes of each spacer block to align the front blocks.
- Place blocks on their sides across the front of the inlet and abutting the spacer blocks.
- Place wire mesh over the outside vertical face.
- Pile coarse aggregate against the wire to the top of the barrier.

Curb and Gutter Sediment Barrier – Sandbag or rock berm (riprap and aggregate) 3 feet high and 3 feet wide in a horseshoe shape. See Figure 4.2.10.

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- Construct a horseshoe shaped berm, faced with coarse aggregate if using riprap, 3 feet high and 3 feet wide, at least 2 feet from the inlet.
- Construct a horseshoe shaped sedimentation trap on the outside of the berm sized to sediment trap standards for protecting a culvert inlet.
- Inspect catch basin filters frequently, especially after storm events. Clean and replace clogged inserts. For systems with clogged stone filters: pull away the stones from the inlet and clean or replace. An alternative approach would be to use the clogged stone as fill and put fresh stone around the inlet.
- Do not wash sediment into storm drains while cleaning. Spread all excavated material evenly over the surrounding land area or stockpile and stabilize as appropriate.

Approved as Equivalent

Ecology has approved products as able to meet the requirements of BMP C220. The products did not pass through the Technology Assessment Protocol – Ecology (TAPE) process. Local jurisdictions may choose not to accept this product approved as equivalent, or may require additional testing prior to consideration for local use. The products are available for review on Ecology's website at http://www.ecy.wa.gov/programs/wq/stormwater/newtech/equivalent.html

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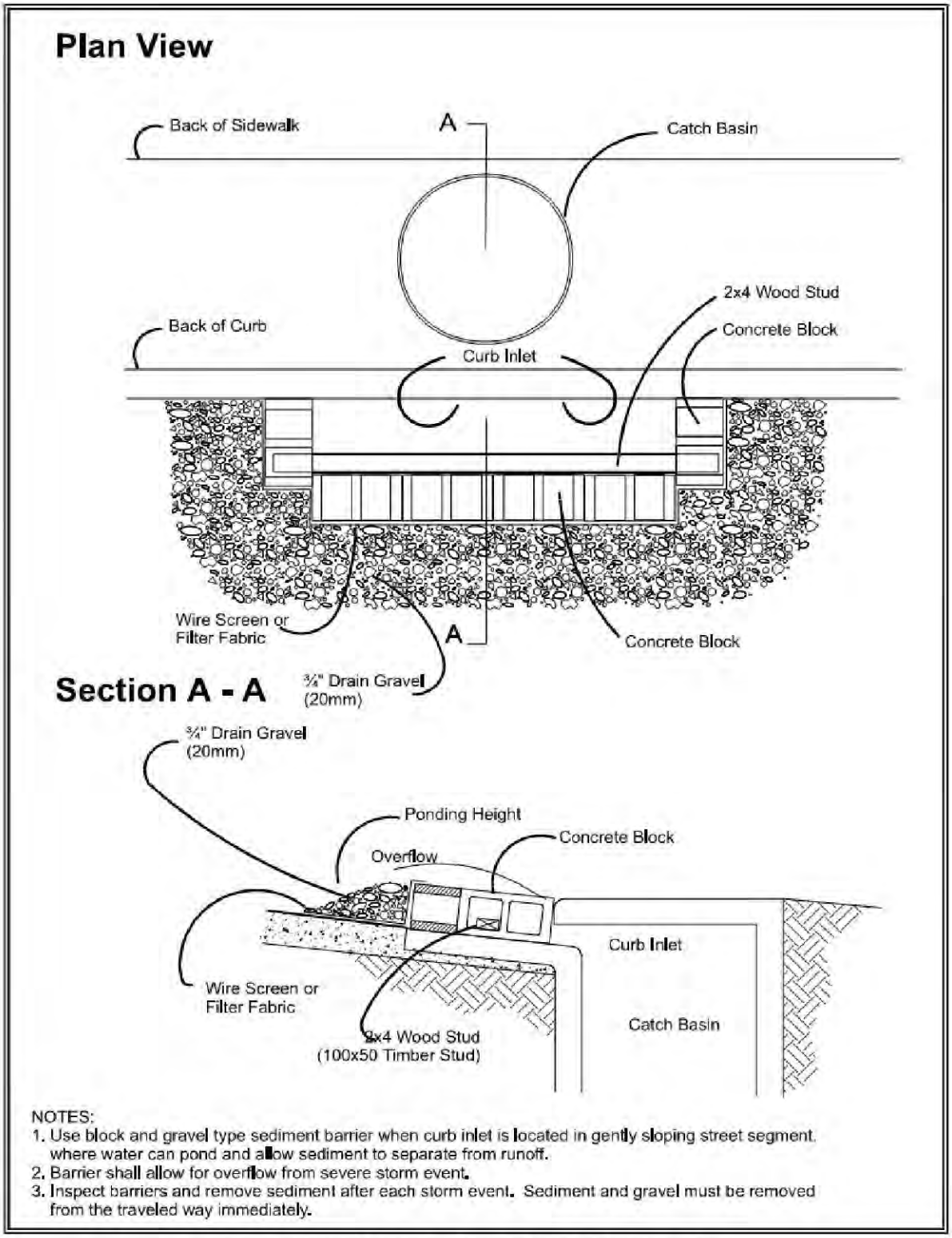

NOTES:
1. Use block and gravel type sediment barrier when curb inlet is located in gently sloping street segment, where water can pond and allow sediment to separate from runoff.
2. Barrier shall allow for overflow from severe storm event.
3. Inspect barriers and remove sediment after each storm event. Sediment and gravel must be removed from the traveled way immediately.

Figure 4.2.9 – Block and Gravel Curb Inlet Protection

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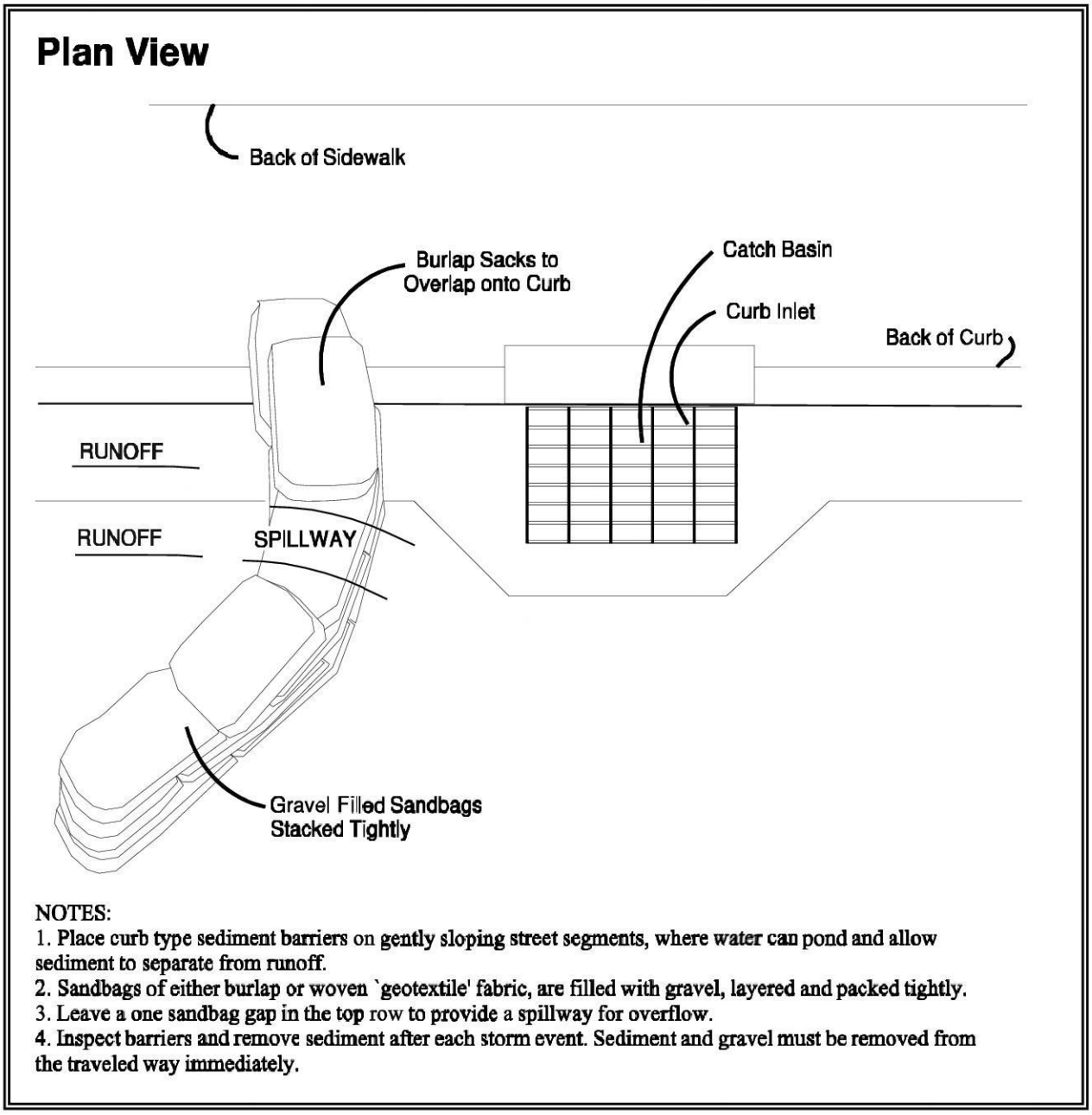

Figure 4.2.10 – Curb and Gutter Barrier

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BMP C233: Silt Fence

Purpose

Use of a silt fence reduces the transport of coarse sediment from a construction site by providing a temporary physical barrier to sediment and reducing the runoff velocities of overland flow. See Figure 4.2.12 for details on silt fence construction.

Conditions of Use

Silt fence may be used downslope of all disturbed areas.

- Silt fence shall prevent soil carried by runoff water from going beneath, through, or over the top of the silt fence, but shall allow the water to pass through the fence.
- Silt fence is not intended to treat concentrated flows, nor is it intended to treat substantial amounts of overland flow. Convey any concentrated flows through the drainage system to a sediment pond.
- Do not construct silt fences in streams or use in V-shaped ditches. Silt fences do not provide an adequate method of silt control for anything deeper than sheet or overland flow.

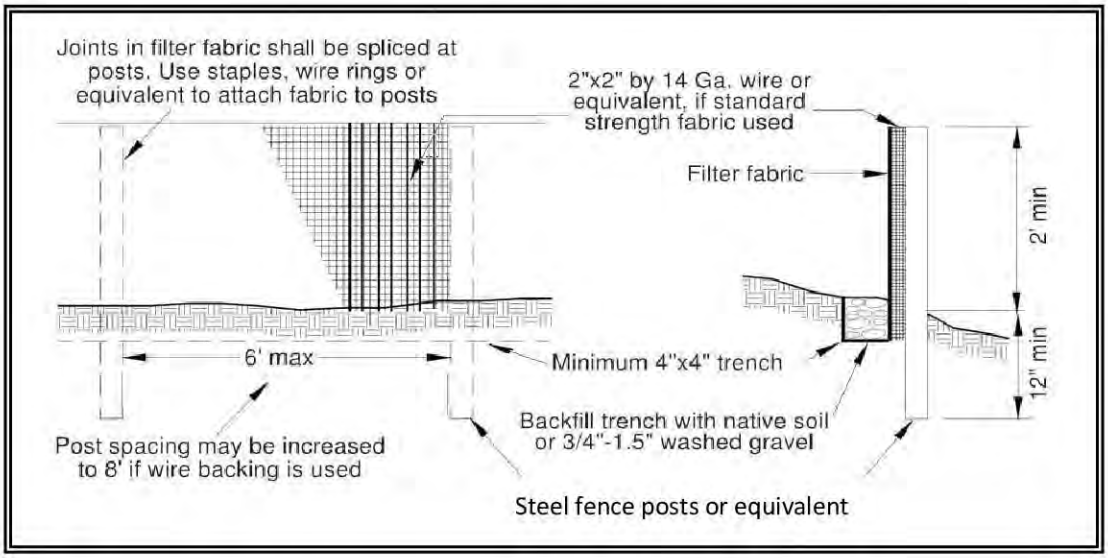

Figure 4.2.12 – Silt Fence

Design and Installation Specifications

- Use in combination with sediment basins or other BMPs.
- Maximum slope steepness (normal (perpendicular) to fence line) 1H:1V.
- Maximum sheet or overland flow path length to the fence of 100 feet.
- Do not allow flows greater than 0.5 cfs.

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- The geotextile used shall meet the following standards. All geotextile properties listed below are minimum average roll values (i.e., the test result for any sampled roll in a lot shall meet or exceed the values shown in Table 4.2.3):

Table 4.2.3
Geotextile Standards

Polymeric Mesh AOS (ASTM D4751)	0.60 mm maximum for slit film woven (#30 sieve). 0.30 mm maximum for all other geotextile types (#50 sieve). 0.15 mm minimum for all fabric types (#100 sieve).
Water Permittivity (ASTM D4491)	0.02 sec^{-1} minimum
Grab Tensile Strength (ASTM D4632)	180 lbs. Minimum for extra strength fabric. 100 lbs minimum for standard strength fabric.
Grab Tensile Strength (ASTM D4632)	30% maximum
Ultraviolet Resistance (ASTM D4355)	70% minimum

- Support standard strength fabrics with wire mesh, chicken wire, 2-inch x 2-inch wire, safety fence, or jute mesh to increase the strength of the fabric. Silt fence materials are available that have synthetic mesh backing attached.
- Filter fabric material shall contain ultraviolet ray inhibitors and stabilizers to provide a minimum of six months of expected usable construction life at a temperature range of 0°F. to 120°F.
- One-hundred percent biodegradable silt fence is available that is strong, long lasting, and can be left in place after the project is completed, if permitted by local regulations.
- Refer to Figure 4.2.12 for standard silt fence details. Include the following standard Notes for silt fence on construction plans and specifications:

  1. The contractor shall install and maintain temporary silt fences at the locations shown in the Plans.
  2. Construct silt fences in areas of clearing, grading, or drainage prior to starting those activities.
  3. The silt fence shall have a 2-feet min. and a 2½-feet max. height above the original ground surface.
  4. The filter fabric shall be sewn together at the point of manufacture to form filter fabric lengths as required. Locate all sewn seams at support posts. Alternatively, two sections of silt fence can be overlapped, provided the Contractor can demonstrate, to the satisfaction of the Engineer, that the

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overlap is long enough and that the adjacent fence sections are close enough together to prevent silt laden water from escaping through the fence at the overlap.

5. Attach the filter fabric on the up-slope side of the posts and secure with staples, wire, or in accordance with the manufacturer's recommendations. Attach the filter fabric to the posts in a manner that reduces the potential for tearing.
6. Support the filter fabric with wire or plastic mesh, dependent on the properties of the geotextile selected for use. If wire or plastic mesh is used, fasten the mesh securely to the up-slope side of the posts with the filter fabric up-slope of the mesh.
7. Mesh support, if used, shall consist of steel wire with a maximum mesh spacing of 2-inches, or a prefabricated polymeric mesh. The strength of the wire or polymeric mesh shall be equivalent to or greater than 180 lbs. grab tensile strength. The polymeric mesh must be as resistant to the same level of ultraviolet radiation as the filter fabric it supports.
8. Bury the bottom of the filter fabric 4-inches min. below the ground surface. Backfill and tamp soil in place over the buried portion of the filter fabric, so that no flow can pass beneath the fence and scouring cannot occur. When wire or polymeric back-up support mesh is used, the wire or polymeric mesh shall extend into the ground 3-inches min.
9. Drive or place the fence posts into the ground 18-inches min. A 12–inch min. depth is allowed if topsoil or other soft subgrade soil is not present and 18-inches cannot be reached. Increase fence post min. depths by 6 inches if the fence is located on slopes of 3H:1V or steeper and the slope is perpendicular to the fence. If required post depths cannot be obtained, the posts shall be adequately secured by bracing or guying to prevent overturning of the fence due to sediment loading.
10. Use steel or equivalent posts. The spacing of the support posts shall be a maximum of 6-feet. Posts shall consist of either:
    - No. 6 steel rebar or larger.
    - ASTM A 120 steel pipe with a minimum diameter of 1-inch.
    - U, T, L, or C shape steel posts with a minimum weight of 1.35 lbs./ft.
    - Other steel posts having equivalent strength and bending resistance to the post sizes listed above.
11. Locate silt fences on contour as much as possible, except at the ends of the fence, where the fence shall be turned uphill such that the silt fence captures the runoff water and prevents water from flowing around the end of the fence.

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12. If the fence must cross contours, with the exception of the ends of the fence, place gravel check dams perpendicular to the back of the fence to minimize concentrated flow and erosion. The slope of the fence line where contours must be crossed shall not be steeper than 3H:1V.

    - Gravel check dams shall be approximately 1-foot deep at the back of the fence. Gravel check dams shall be continued perpendicular to the fence at the same elevation until the top of the check dam intercepts the ground surface behind the fence.
    - Gravel check dams shall consist of crushed surfacing base course, gravel backfill for walls, or shoulder ballast. Gravel check dams shall be located every 10 feet along the fence where the fence must cross contours.

- Refer to Figure 4.2.13 for slicing method details. Silt fence installation using the slicing method specifications:
    1. The base of both end posts must be at least 2- to 4-inches above the top of the filter fabric on the middle posts for ditch checks to drain properly. Use a hand level or string level, if necessary, to mark base points before installation.
    2. Install posts 3- to 4-feet apart in critical retention areas and 6- to 7- feet apart in standard applications.
    3. Install posts 24-inches deep on the downstream side of the silt fence, and as close as possible to the filter fabric, enabling posts to support the filter fabric from upstream water pressure.
    4. Install posts with the nipples facing away from the filter fabric.
    5. Attach the filter fabric to each post with three ties, all spaced within the top 8-inches of the filter fabric. Attach each tie diagonally 45 degrees through the filter fabric, with each puncture at least 1-inch vertically apart. Each tie should be positioned to hang on a post nipple when tightening to prevent sagging.
    6. Wrap approximately 6-inches of fabric around the end posts and secure with 3 ties.
    7. No more than 24-inches of a 36-inch filter fabric is allowed above ground level.

    Compact the soil immediately next to the filter fabric with the front wheel of the tractor, skid steer, or roller exerting at least 60 pounds per square inch. Compact the upstream side first and then each side twice for a total of four trips. Check and correct the silt fence installation for any deviation before compaction. Use a flat-bladed shovel to tuck fabric deeper into the ground if necessary.

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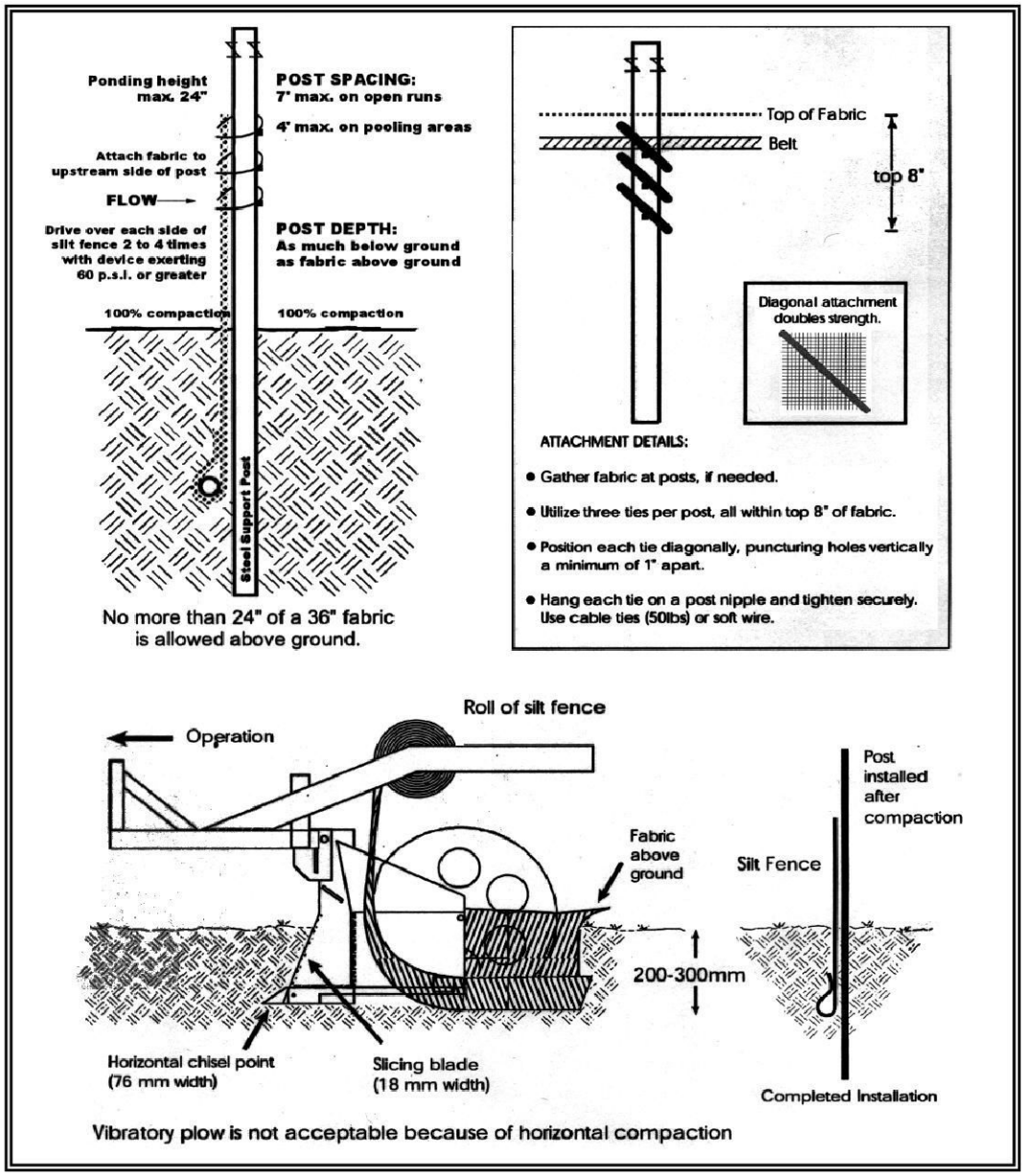

Figure 4.2.13 – Silt Fence Installation by Slicing Method

Maintenance Standards

- Repair any damage immediately.
- Intercept and convey all evident concentrated flows uphill of the silt fence to a sediment pond.
- Check the uphill side of the fence for signs of the fence clogging and acting as a barrier to flow and then causing channelization of flows parallel to the fence. If this occurs, replace the fence or remove the trapped sediment.
- Remove sediment deposits when the deposit reaches approximately one-third the height of the silt fence, or install a second silt fence.
- Replace filter fabric that has deteriorated due to ultraviolet breakdown.

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BMP C235: Wattles

Purpose

Wattles are temporary erosion and sediment control barriers consisting of straw, compost, or other material that is wrapped in biodegradable tubular plastic or similar encasing material. They reduce the velocity and can spread the flow of rill and sheet runoff, and can capture and retain sediment. Wattles are typically 8 to 10 inches in diameter and 25 to 30 feet in length. Wattles are placed in shallow trenches and staked along the contour of disturbed or newly constructed slopes. See Figure 4.2.14 for typical construction details. WSDOT Standard Plan I-30.30-00 also provides information on Wattles (http://www.wsdot.wa.gov/Design/Standards/Plans.htm#SectionI)

Conditions of Use

- Use wattles:
  - In disturbed areas that require immediate erosion protection.
  - On exposed soils during the period of short construction delays, or over winter months.
  - On slopes requiring stabilization until permanent vegetation can be established.
- The material used dictates the effectiveness period of the wattle. Generally, Wattles are typically effective for one to two seasons.
- Prevent rilling beneath wattles by properly entrenching and abutting wattles together to prevent water from passing between them.

Design Criteria

- Install wattles perpendicular to the flow direction and parallel to the slope contour.
- Narrow trenches should be dug across the slope on contour to a depth of 3- to 5-inches on clay soils and soils with gradual slopes. On loose soils, steep slopes, and areas with high rainfall, the trenches should be dug to a depth of 5- to 7- inches, or 1/2 to 2/3 of the thickness of the wattle.
- Start building trenches and installing wattles from the base of the slope and work up. Spread excavated material evenly along the uphill slope and compacted using hand tamping or other methods.
- Construct trenches at intervals of 10- to 25-feet depending on the steepness of the slope, soil type, and rainfall. The steeper the slope the closer together the trenches.
- Install the wattles snugly into the trenches and abut tightly end to end. Do not overlap the ends.
- Install stakes at each end of the wattle, and at 4-foot centers along entire length of wattle.

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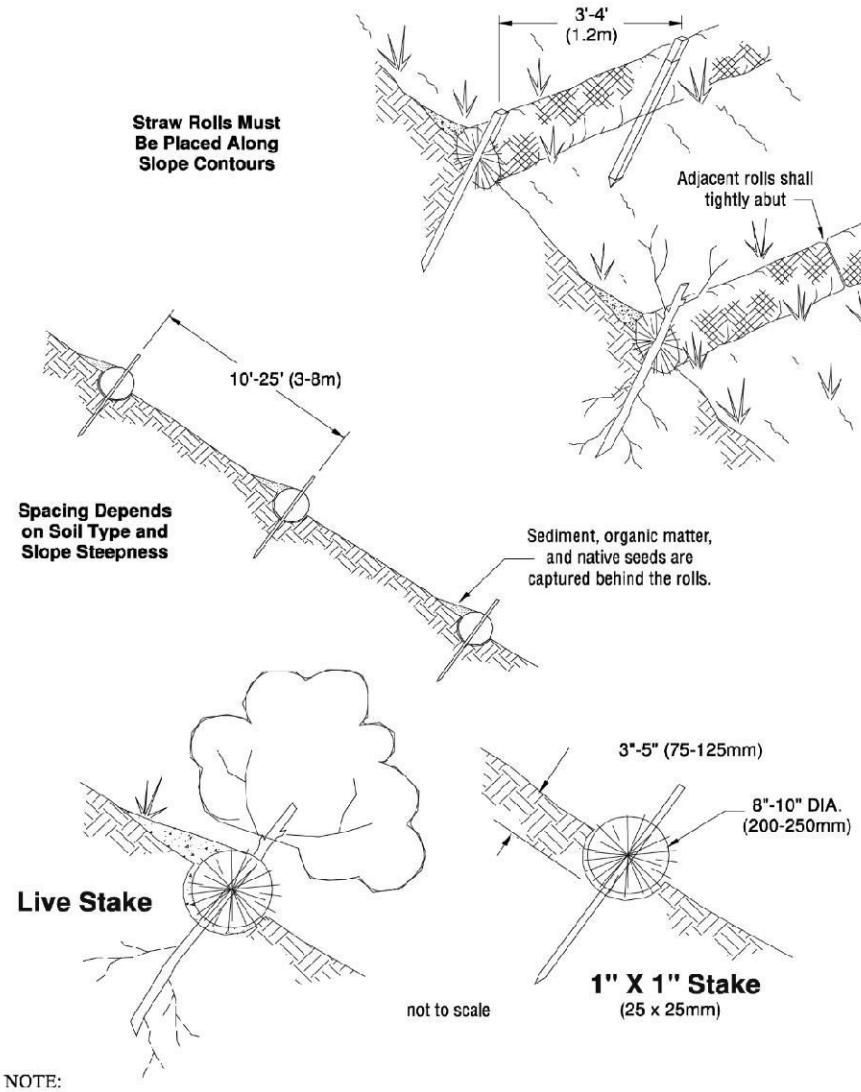
- If required, install pilot holes for the stakes using a straight bar to drive holes through the wattle and into the soil.
- Wooden stakes should be approximately 3/4 x 3/4 x 24 inches min. Willow cuttings or 3/8-inch rebar can also be used for stakes.
- Stakes should be driven through the middle of the wattle, leaving 2 to 3 inches of the stake protruding above the wattle.

Maintenance Standards

- Wattles may require maintenance to ensure they are in contact with soil and thoroughly entrenched, especially after significant rainfall on steep sandy soils.



NOTE:
1. Straw roll installation requires the placement and secure staking of the roll in a trench, 3"-5" (75-125mm) deep, dug on contour. runoff must not be allowed to run under or around roll.

Figure 4.2.14 – Wattles

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City of Bellevue

Clearing & Grading
Development Standards

Tree Protection Requirements

BMP T101: Tree Protection Requirements

Purpose

The section identifies management practices to employ at construction sites to guarantee successful tree and vegetation protection before, during, and through a lifetime of site use and maintenance. The City of Bellevue regulates and manages tree retention during development through the Land Use Code and the Clearing and Grading Code. Trees and vegetation are preserved for several reasons:

- To sustain both the function and value of vegetation assets
- To enhance public safety by carefully maintaining the health of onsite vegetation and to reduce liability
- To contain costs associated with site restoration
- To reduce or avoid soil compaction and degradation
- To avoid physical injury to existing trees
- To avoid root injury to trees and other vegetation
- To protect soils and hydraulic integrity of the entire site
- To protect existing irrigation, utilities and underground drainage
- To prevent sediment-laden and/or polluted runoff from entering drainage systems and water bodies (streams, wetlands, lakes).

Definitions

Critical Root Zone (CRZ) - The circular area around the base of a tree calculated as the distance to the furthest extent to the tree's dripline.

Development Project - Any construction activity including demolition, grading, drainage improvements, new construction of main house or accessory structures, added square footage to existing main house or accessory structures, site preparation and landscaping.

Diameter at Breast Height (DBH) - The diameter of the tree trunk at four and one-half feet (or 54 inches) above natural grade level. The diameter may be calculated by using the following formula: DBH= circumference at 4.5-feet x 3.14. To determine the DBH of multi-trunk trees or measuring trees on slopes, consult the current Guide for Plant Appraisal, published by the Council of Tree and Landscape Appraisers.

Drip line - The circular area around the base of a tree measured by the furthest lateral extent of the foliage.

Project Arborist - A qualified professional who is qualified to evaluate trees such as a Certified Arborist, a Registered Consulting Arborist, a Licensed Landscape Architect or a Certified Forester. The project arborist is responsible for decisions related to vegetation on site before, during and after construction.

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Project Manager - The person assigned to the construction project by the department or the contractor who is responsible for managing the overall project. Project management duties include schedule, budget, and related logistics, including construction site management.

Tree Protection Site Plan (Base Map) - A set of drawings that show existing site conditions and proposed landscape improvements, including trees to be removed, relocated or to be retained. Site plans shall include the following minimum information that may affect trees:

A. Surveyed location, species, size, drip line area of significant (including trees located on neighboring property that overhang the project site) and Street Trees within 30-feet of the project site.

B. Paving, concrete, trenching or grade change located within the **Tree Protection Zone (TPZ).**

C. Existing and proposed utility pathways.

D. Surface and subsurface drainage and aeration systems to be used.

E. Walls, tree wells, retaining walls and grade change barriers, both temporary and permanent.

F. Landscaping, irrigation and lighting within TPZ of trees.

G. All of the final approved site plan sheets shall reference tree protection instructions.

Significant Tree - A healthy evergreen or deciduous tree, eight inches in diameter or greater at four feet above existing grade. (Land Use Code 20.50.046)

Street Tree - means any tree growing within the street right-of-way, outside of private property.

Tree Appraisal - means a method of determining the monetary value of a tree as it relates to the real estate value of the property, neighborhood, or community.

Tree Protection Plan (TPP) - A plan prepared by a certified arborist that outlines measures to protect and preserve trees.

Tree Protection Zone (TPZ) - The circular area around a tree calculated as one foot of radius for every inch of DBH, or at least 6 feet, whichever is greater that is required to be protected with a fenced enclosure.

Tree Protection Fencing - A temporary enclosure erected around a tree to be protected at the boundary of the tree protection zone. Tree protection fencing should consist of six 6 foot high chain link fence, mounted on two inch diameter metal posts, driven into the ground to a depth of at least 2-feet at no more than 10-foot spacing.

Warning Sign - A warning sign shall be prominently displayed on each fence. The sign shall be a minimum of 8.5 x 11-inches and clearly state: "WARNING – Tree Protection Zone - This fence shall not be removed and any injury to this or these trees is subject to penalty according to BCC 14.06.100."

Conditions of Use

Trees and vegetation can be impacted during construction in many ways and often times the damage is not seen for several months or even years after the construction is completed. Proper tree protection can benefit not only the tree by reducing stress during construction but also the developer and property owner by reducing long term costs associated with future maintenance. The cost of

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removing a tree killed by construction after development is usually greater than the cost of protecting the tree during construction.

Common types of tree injuries that occur during construction may include:

- Mechanical injury to roots, trunk or branches
- Compaction of soil by storing of materials or equipment, which degrades the functioning of roots, inhibits the development of new roots and restricts drainage.
- Changes in existing grade which can cut or suffocate roots
- Alteration of the water table - either raising or lowering
- Changes in drainage patterns that promotes erosion or excessive accumulation of runoff
- Sterile soil conditions associated with stripping off topsoil
- Damage to roots from dumping of liquids or rinsing of construction equipment

Not all damage occurs to trees and vegetation during the actual construction of buildings or structures. Trees are often damage during the landscaping phase after the heavy equipment and workers have left. Installing irrigation, applying topsoil and turf installation also causes damage to trees. All construction-related impacts can produce long-term maintenance problems that can be avoided by following the BMPs set forth in the remainder of this chapter.

Planning & Permitting Phase

- Inventory and evaluate all existing trees on the site and trees immediately adjacent with driplines or expected root zones extending onto the project site. The inventory and evaluation shall include, but not be limited to the following information:

  Tree species

  Tree size in DBH and canopy spread

  Tree condition or observed defects

  Tree numbers that are included in an inventory table

  A calculation of the total diameter inches of significant trees on the site along with an indication of the interior or perimeter location of the tree, if applicable to the proposed development type and tree retention.

  Tree map showing the location of the existing significant trees on the site with numbers corresponding to the tree inventory table.

- **Submit a Tree Protection Plan (TPP)** prepared by a Project Arborist that includes the following information:

  Location of and description all significant trees that will remain on the project site per LUC 20.20.900

  Illustration of the Tree Protection Zone (TPZ) for each tree is a radius of 1.5 feet for every inch of DBH or a minimum of 6 feet, whichever is greater.

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The TPZ will regularly exceed the Critical Root Zone (CRZ), which is the outer edge of the tree's canopy, or drip line. The reduction of TPZ closer to the CRZ must be accompanied by mitigating measures and be approved in writing by the City of Bellevue. The TPZ may not be smaller than the CRZ.

Description of expected tree protection techniques that will be used on the project as per the Land Use Code and the Clearing and Grading Code All tree removal and pruning needed to make room for future structures and construction equipment should also be drawn on the base map

A timetable for project meetings with the Project Team including a pre-construction meeting and the schedule for the Project Arborist monitoring.

Calculation of appraisal amounts to be collected by the City as an assurance device in the form of a deposit equal to the tree appraisal value of all protected trees as determined under the methods described in the Guide for Establishing Value of Trees and Other Plants, published by the International Society of Arboriculture.

Pre-Construction Site Preparation Phase

- Stage equipment away from trees and vegetation to be retained so that existing plants and their roots are protected.
- Fence off with chain link or construction fencing all entry and exit routes. When planning routes, avoid utility access corridors.
- Protect irrigation and drainage systems shall from damage unless plans call for renovation of such systems.
- Stake and/or flag clearing limits and tree protection to be verified and approved by the City's clearing and grading inspector at the required preconstruction meeting.
- Project Arborist will supervise and verify the following tree protection measures are in place and comply with the approved TPP:

  A 6" layer of coarse mulch or woodchips is to be placed beneath the Tree Protection Zone (TPZ) of the protected trees. Mulch is to be kept 12" from the trunk.

  Trees that have been identified in the site inventory as posing a health or safety risk may be removed or pruned by no more than one-third, subject to approval of the required permit by the City of Bellevue. Pruning of existing limbs and roots shall occur under the direction of the Project Arborist.

  Tree Protection Fencing of 6' chain link fencing shall be installed around the TPZ of protected tree(s). The fencing can be moved within the TPZ if authorized by the Clearing and Grading Inspector and the Project Arborist but not closer than 2' from the trunk of any tree. Fence posts shall be 1.5" in diameter and are to be driven 2' into the ground. The distance between posts shall not be more than 10'.

  Tree protection fencing shall have a warning signs prominently installed on each fence at 20-foot intervals. The sign shall be a minimum 8.5-

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inches x 11-inches and clearly state: "WARNING - Tree Protection Zone"

Movable barriers of chain link fencing secured to cement blocks may be substituted for "fixed" fencing if the Project Arborist and City Staff agree that the fencing will have to be moved to accommodate certain phases of construction. The builder may not move the fence without authorization from the Project Arborist and City Staff.

Should temporary access into the TPZ be approved, an additional 3" layer of gravel and ¾" plywood shall be placed over the CRZ.

Construction Phase

During the Construction phase, ensure the TPP is being followed and report any conflicts or deviations to the City of Bellevue Clearing and Grading Inspector. Monitor construction activities that require encroachment within the TPZ, such as grading or trenching.

Avoid the following conditions:

1. Allowing run off or spillage of damaging materials into the approved TPZ.

2. Storing construction materials or portable toilets, stockpiling of soil, or parking or driving vehicles within the TPZ.

3. Cutting, breaking, skinning, or bruising roots, branches, or trunks without first obtaining authorization from the Project Arborist.

4. Discharging exhaust into foliage.

5. Securing cable, chain, or rope to trees or shrubs.

6. Trenching, digging, tunneling or otherwise excavating within the CRZ or TPZ of the tree(s) without first obtaining authorization from the Project Arborist.

Periodically inspect during construction - at four-week intervals - to assess and monitor the effectiveness of the TPP and provide recommendations for any additional care or treatment. More frequent may be required based on the TPP.

The following activities should be observed and inspected by the project arborist during the construction phase to ensure compliance with the approved TPP:

1. Only excavation by hand or compressed air shall be allowed within the TPZ of trees. Machine trenching shall not be allowed.

2. In order to avoid injury to tree roots, when a trenching machine is being used outside of the TPZ of trees, and roots are encountered smaller than 2", the wall of the trench adjacent to the trees shall be hand trimmed, making clear, clean cuts through the roots. All damaged, torn and cut roots shall be given a clean cut to remove ragged edges, which promote decay. Trenches shall be filled within 24 hours, but where this is not possible, the side of the trench adjacent to the trees shall be kept shaded with four layers of dampened, untreated burlap, wetted as frequently as necessary to keep the burlap wet. Roots 2" or larger, when encountered, shall be reported immediately to the Project Arborist, who will decide whether the Contractor may cut the root as mentioned above or shall excavate by hand or with compressed air under the root. All exposed roots are to be protected with dampened burlap.

3. Route pipes outside of the TPZ of a protected tree to avoid conflict with roots. Where it is not possible to reroute pipes or trenches, bore or tunnel beneath

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the TPZ of the tree. The boring shall take place not less than 3' below the surface of the soil in order to avoid encountering "feeder" roots. All boring equipment must be staged outside of the TPZ.

4. All grade changes adjacent to the TPZ of a significant tree shall be supervised by the Project Arborist. Cuts or Fills of soil that are adjacent to the TPZ will have a retaining wall system designed in consultation with the Project Arborist and approved in writing by City Staff.

5. Any damage due to construction activities shall be reported to the Project Arborist and City Staff within six hours so that remedial action can be taken.

6. The Project Arborist shall be responsible for the preservation of the designated trees. Should the builder fail to follow the tree protection specifications, it shall be the responsibility of the Project Arborist to report the matter to City Staff as an issue of non-compliance.

Post-Construction

The Post-Construction Phase begins when the equipment leaves and the new tenants move in. Important follow-up monitoring of the protected trees will help ensure their survival and identify signs of early stress.

The applicant shall arrange with the Project Arborist for the long-term care and monitoring of preserved trees by complying with the following conditions:

1. Complete post-construction tree maintenance, including pruning, mulching, fertilization, irrigation, and soil aeration where necessary.

2. Remove, by hand, all soil and root protection material such as wood chips, gravel and plywood.

3. Provide for remediation of compacted soil by methods such as aeration or vertical mulching.

4. Apply at least 1 inch of water per week by deep watering in the absence of adequate rainfall.

5. Fertilize trees with slow released phosphorus, potassium, calcium, magnesium, and other macro- and micro-nutrients as indicated by a soil test, but wait at least one year to apply any nitrogen.

6. Fertilize lightly with slow release nitrogen after 1 year, and then make annual light nitrogen applications for the next 3 to 5 years.

7. Inspect trees annually for at least 3 and up to 5 years after construction to look for changes in condition and signs of insects or disease, and to determine maintenance needs.

8. Remove trees that are badly damaged or are in irreversible decline as determined by the Project Arborist and City Staff.

9. Continue to protect not only the large, established trees on the site but also those newly planted in the landscape as per LUC 20.20.520.K.

10. Provide annual inspection reports to the City.

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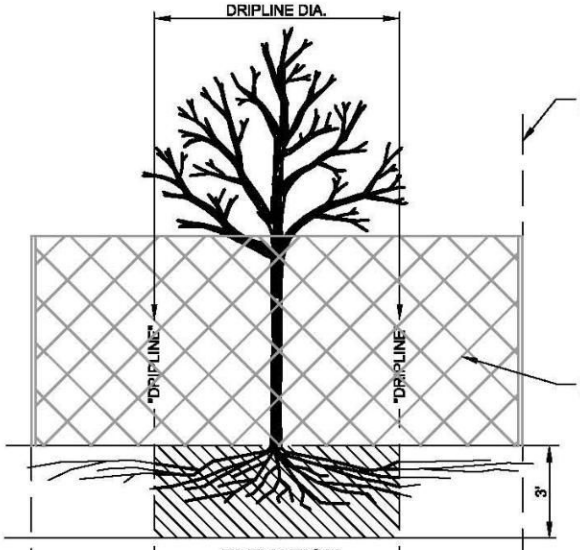
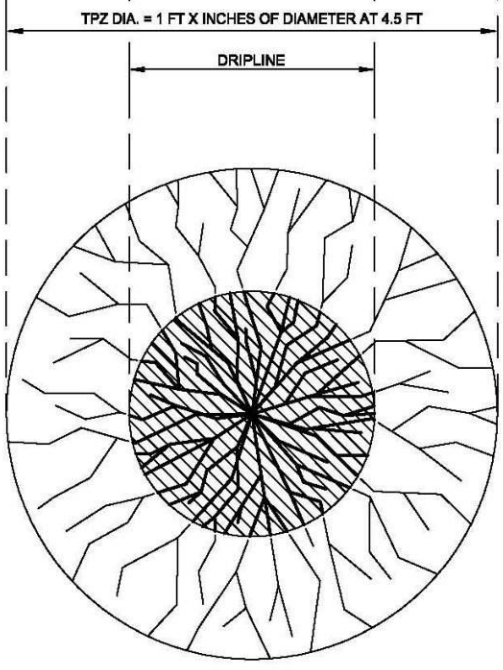


ELEVATION



PLAN VIEW

Tree Protection Zone (TPZ)

- Extends from tree trunk to 1 foot for every inch of trunk diameter measured at 4.5 feet above grade or 6' whichever is greater.
- Protective fencing to remain installed at all times.
- Working within TPZ restricted to City approved personnel and supervised by Project Arborist.
- No storage of equipment or materials within TPZ, or washing of equipment in or within 10' of TPZ.

Tree Protection Fencing

- Minimum 6' chain link fencing installed completely around TPZ consistent with Site Plan. See Tree Protection Detail TP-2.
- Fencing shall have 1.5" steel posts to be driven 2' into the ground no more than 10' apart.
- Tree protection signs shall be posted on fencing no more than 20' apart.
- Apply a 4-6" layer of wood chips 12" from tree trunk.

Dripline

- Extends from trunk to outer canopy edge - Drip Line.
- Absolutely no storage of equipment or materials within Dripline.
- Access restricted based on City approval and Project Arborist supervision required.
- No trenching within Dripline; tunneling must have approval from City.

Root Protection In Tree Protection Zone

- Use/access into TPZ shall be upon approval from City and supervised by Project Arborist.
- Additional layer of 3" gravel and ¾" plywood shall cover Dripline when authorized work being performed in TPZ.
- All wood chips, gravel and plywood to be removed by hand upon project completion.

DRAWING NUMBER	TP-1
SCALE	NONE
REVISION DATE	1/10
DEPARTMENT	ALL

TREE PROTECTION PROCEDURES DURING CONSTRUCTION

City of Bellevue

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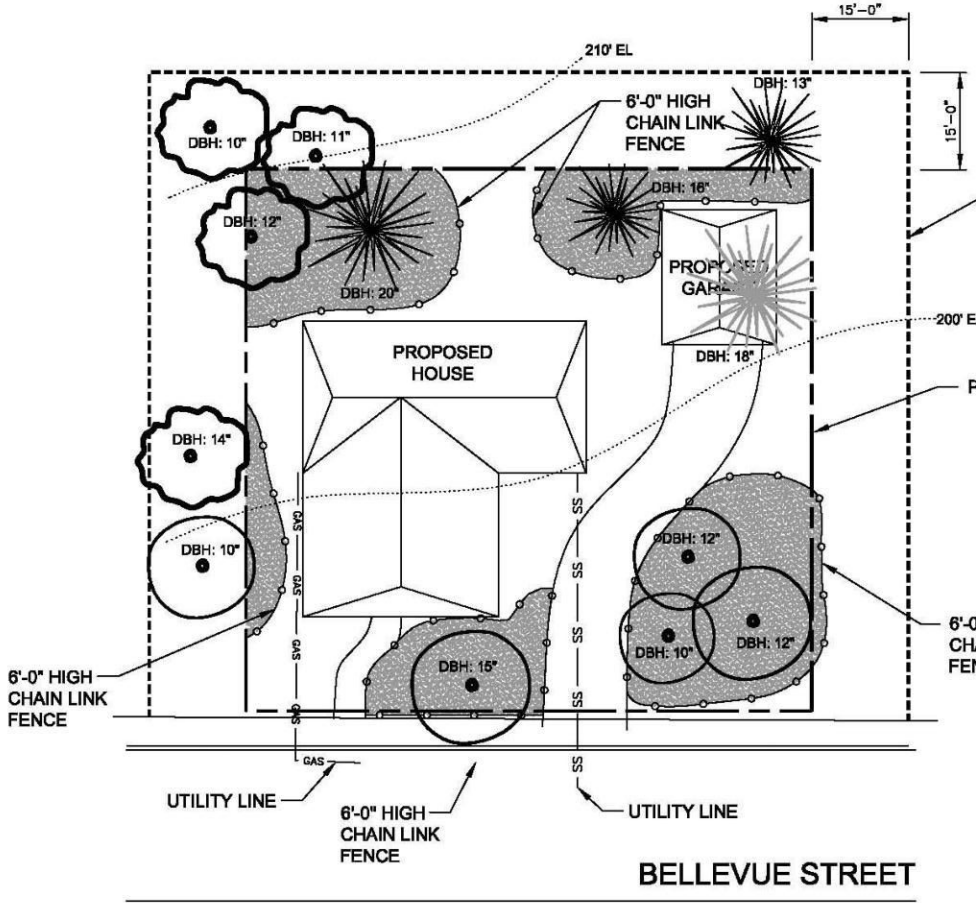

Legend

- *Acer macrophyllum* (bigleaf maple)
- *Fraxinus latifolia* (Oregon white ash)
- *Pseudotsuga menziesii* (Douglas-fir)
- *Existing tree to be removed*

Arborist: Johnny Appleseed
Contact: 425-452-4188

General Notes

1. 6'-0" HIGH CHAIN LINK FENCE IS PLACED 1.5 FEET PER INCH DBH AND DEFINES THETREE PROTECTION ZONE (TPZ).
2. STAKES WILL BE 1.5" IN DIAMETER, DRIVEN INTO GROUND 2' AND PLACED NO FURTHER THAN 10 FEET APART.
3. TREE PROTECTION SIGNAGE SHALL BE INSTALLED AT INTERVALS NO LESS THAN 20' APART. SEE TREE PROTECTION SIGNAGE DETAIL # TP-4.

City of Bellevue

TREE PROTECTION SITE PLAN

DRAWING NUMBER	TP–2
SCALE	NONE
REVISION DATE	1/10
DEPARTMENT	ALL

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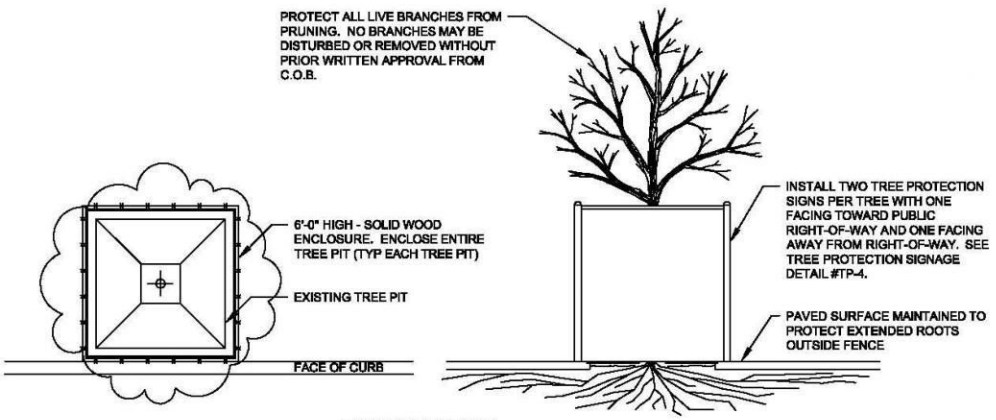
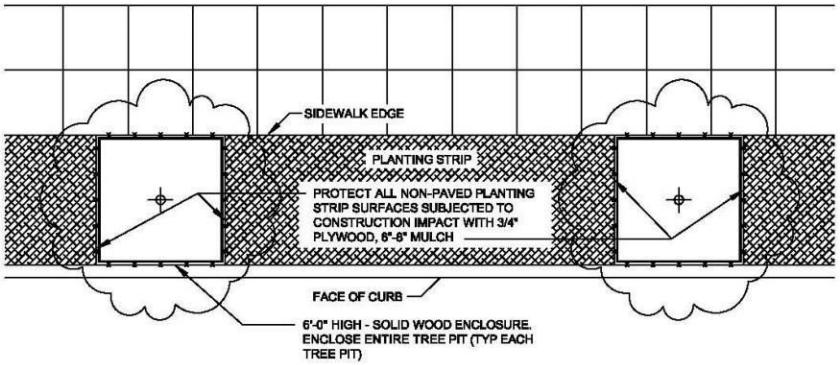
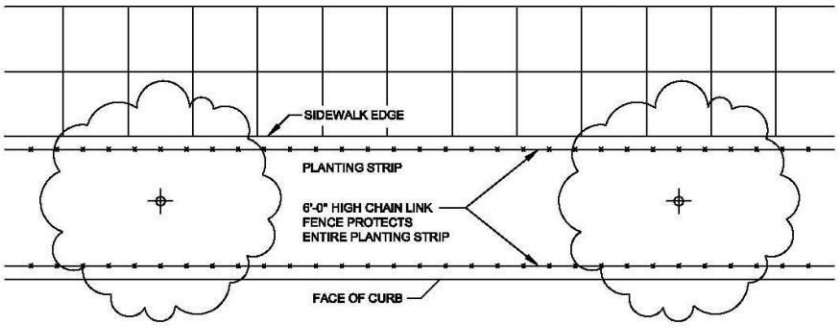


TREE IN TREE PIT



TREE IN PLANTING STRIP-OPTION 1



TREE IN PLANTING STRIP-OPTION 2

NOTE:
DURING CURB REPLACEMENT, ROOTS WITHIN 6 INCHES OF DEPTH FROM BOTTOM OF CURB SHALL BE CUT WITH A CLEAN, SHARP SAW. ROOTS GREATER THAN 6 INCHES DEEP SHALL BE PRESERVED, UNLESS SPECIFICALLY DIRECTED BY C.O.B.

DRAWING NUMBER	TP-3
SCALE	NONE
REVISION DATE	1/10
DEPARTMENT	ALL

TREE PROTECTION STANDARD

City of Bellevue

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WARNING

TREE PROTECTION ZONE (TPZ)

- This fence shall not be removed and any injury to this or these trees is a violation of **BCC 20.20.900**.
- No grade change, storage of materials, vehicles or equipment is permitted within this TPZ
- No unauthorized entry is permitted
- This fence shall not be removed without written authorization of the City of Bellevue and supervision by the Project Arborist

Permit # _____

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APPENDIX F:
LIST OF LAW ENFORCEMENT AGENCIES WITH AUTHORIZED POLICE POWERS

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Bellevue Police Department

450 110th Ave. NE • P.O. Box 90012 • Bellevue, WA 98009 • (425) 452.6917 • fax (425) 452-6110

NOTICE OF CONSENT

Issued Pursuant to RCW Chapter 10.93
Washington Mutual Aid Peace Officers Powers Act

The Washington Mutual Aid Pace Officers Powers Act was enacted in 1985. RCW 10.93.070 empowers general authority law enforcement officers with appropriate training certificates (or exception there from) to enforce criminal or traffic laws any place in the state "upon the prior written consent of the sheriff or chief of police in whose primary territorial jurisdiction the exercise of the powers occurs."

In accordance with RCW 10.93.070 (1), I hereby consent to the full exercise of peace powers, within the City of Bellevue, Washington, by any and all properly certified or exempted police officers of the agencies designated in this agency's current "List of Agencies Authorized to Exercise Peace Officer Powers." The current list of Authorized Agencies may be modified from time to time to add or delete agencies. This agency shall maintain a current list of Authorized Agencies on file with this Notice of Consent. Any liability or claim of liability that arises out of the exercise or alleged exercise of authority by any officer of the authorized agency under Chapter 89 Laws of 1985 and RCW Chapter 10.93 and pursuant to this Notice of Consent is the responsibility of that agency unless the liability is otherwise allocated under a written agreement between the authorized agency and another agency.

This consent is valid during my tenure as Chief of the Bellevue Police Department and thereafter until revoked. This consent is not intended to reallocate, under RCW 10.93.040, the responsibilities of the listed agencies for the acts or omissions of its officers. The authorized agencies are subject to any reasonable reporting requirements now in effect (RCW 10.93.030) or hereafter imposed by this agency.

Wendell Shirley
Chief of Police

Dated: 2.16.23

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Bellevue Police Department

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Bellevue Police Department
List of Agencies Authorized to Exercise Police Officer Powers

Bothell PD
Clyde Hill PD
Des Moines PD
Edmonds PD
Everett PD
Federal Way PD
Issaquah PD
Kent PD
Kirkland PD
Lake Forest Park PD
Medina PD
Mercer Island PD
Normandy Park PD
Pierce County PD
Port of Seattle PD
Redmond PD
Renton PD
Seattle PD
Snoqualmie PD
Tacoma PD
Tukwila PD

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APPENDIX G:

UTILITIES DEPARTMENT RECORD DRAWINGS

W2-05 RECORD DRAWINGS
https://bellevuewa.gov/sites/default/files/media/file/2024/water-engineering-standards-2025-final.pdf

S2-05 RECORD DRAWINGS

https://bellevuewa.gov/sites/default/files/media/file/2024/sewer-engineering-standards-2025-final.pdf

D2-07 RECORD DRAWINGS

https://bellevuewa.gov/sites/default/files/media/file/2024/storm-engineering-standards-2025-final.pdf

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APPENDIX H:
GEOTECHNICAL REPORT

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GEOTECHNICAL REPORT
EASTRAIL TO NE SPRING BLVD. TRAIL LINK
BELLEVUE, WASHINGTON

HWA Project No. 2022-002-21

January 6, 2023

Prepared for:

City of Bellevue

&

David Evans and Associates, Inc.

HWA GEOSCIENCES INC.

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HWA GeoSciences Inc.
DBE/MWBE

January 6, 2023
HWA Project No. 2022-002-21

City of Bellevue
450 110th Ave NE
Bellevue, WA 98009

Attention: Christopher Masek, P.E.

Subject: **GEOTECHNICAL REPORT**
Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

Dear Mr. Masek:

As requested, HWA GeoSciences Inc. (HWA) has completed a geotechnical engineering study for the proposed Eastrail to NE Spring Boulevard Trail Link project in Bellevue, Washington. This report presents the results of our field explorations, laboratory testing, and geotechnical engineering analysis and recommendations.

We appreciate the opportunity to provide geotechnical services on this project. If you have any questions regarding this report or require additional information or services, please contact the undersigned at your convenience.

Sincerely,

HWA GEOSCIENCES INC.

Donald Huling, P.E.
Geotechnical Engineer, Principal

Joe Westergreen, P.E.
Geotechnical Engineer

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TABLE OF CONTENTS

Page

1.0 INTRODUCTION 1
- 1.1 GENERAL 1
- 1.2 PROJECT UNDERSTANDING 1
- 1.3 SITE DESCRIPTION 1

2.0 FIELD INVESTIGATION 2
- 2.1 SUBSURFACE EXPLORATION 2
- 2.2 LABORATORY TESTING 3
- 2.3 PREVIOUS INVESTIGATIONS BY OTHERS 3

3.0 GEOLOGIC AND SUBSURFACE CONDITIONS 3
- 3.1 GENERAL GEOLOGY 3
- 3.2 SUBSURFACE CONDITIONS 4
- 3.3 GROUNDWATER CONDITIONS 5

4.0 CONCLUSIONS & RECOMMENDATIONS 5
- 4.1 GENERAL 5
- 4.2 SEISMIC DESIGN CONSIDERATIONS 6
  - 4.2.1 Seismic Design Parameters 6
  - 4.2.2 Liquefaction 7
- 4.3 EMBANKMENT CONSTRUCTION 7
  - 4.3.1 Embankment Subgrade Preparation 7
  - 4.3.2 Embankment Subgrade Excavation Dewatering 8
  - 4.3.3 Embankment Structural Fill Materials 8
  - 4.3.4 Embankment Compaction 9
- 4.4 RETAINING WALL DESIGN 9
  - 4.4.1 Geosynthetic Retaining Wall 9
  - 4.4.2 Reinforced Concrete Retaining Wall 11
- 4.5 STORM WATER MANAGEMENT 13
- 4.6 TEMPORARY EXCAVATIONS 14

5.0 CONDITIONS AND LIMITATIONS 14

6.0 REFERENCES 17

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Table of Contents (continued)

List of Figures

Figure 1 Site and Vicinity Map
Figure 2 Site and Exploration Plan

APPENDIX

Appendix A: Field Explorations

Figure A-1 Legend of Terms and Symbols Used on Exploration Logs
Figures A-2 to A-4 Logs of Boreholes BH-1 through BH-3
Figures A-5 and A-6 Logs of Handholes HH-1 and HH-2

Appendix B: Laboratory Results

Figures B-1 and B-2 Summary of Material Properties
Figures B-3 to B-6 Particle-Size Analysis of Soils
Figure B-7 Atterberg Limits

Appendix C: Previous Explorations by Others

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GEOTECHNICAL REPORT
EASTRAIL TO SPRING BLVD. TRAIL LINK
BELLEVUE, WASHINGTON

1.0 INTRODUCTION

1.1 GENERAL

This report summarizes the results of a geotechnical engineering study performed by HWA GeoSciences Inc. (HWA) for the Eastrail to NE Spring Boulevard Trail Link Project in Bellevue, Washington. The approximate location of the project site is shown on the Site and Vicinity Map, Figure 1, and on the Site and Exploration Plan, Figure 2. Our field work included drilling three (3) machine-drilled borings and advancing two (2) hand borings. Laboratory testing was conducted on selected soil samples to determine relevant engineering properties for the subsurface soils. The purpose of this study was to evaluate the soil and groundwater conditions along the proposed trail alignment to provide geotechnical engineering recommendations for the proposed improvements.

1.2 PROJECT UNDERSTANDING

We understand the project will include a new 14-foot-wide paved trail to connect NE Spring Boulevard and the Eastrail Trail. The trail connection will be designed to meet ADA standards and will serve pedestrians and bicyclists. Based on the existing site topography fill embankments and retaining walls will be necessary to incorporate grade changes and meet ADA standards for the trail.

1.3 SITE DESCRIPTION

The project area in an approximately 1.5-acre vacant lot at the northwest corner of the intersection of NE 12th Street and NE Spring Boulevard in Bellevue, Washington. The south portion of the parcel has been terraced and declines in elevation from approximately 185 feet to 155 feet over a horizontal distance of approximately 325 feet. This terraced slope was used as a construction laydown yard during construction of NE Spring Boulevard and has been planted with native vegetation.

The north portion of the project area is relatively flat and wooded with deciduous trees and heavy undergrowth. On the east boundary of the project area there is a north-south trending chain-link fence. Beyond and paralleling the fence, from west to east, there is a narrow wetland, an approximate 2.5-foot-deep drainage ditch, and a gravel surfaced pathway. The surface of the wetland is covered with thick brush.

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2.0 FIELD INVESTIGATION

2.1 SUBSURFACE EXPLORATION

On April 21, 25, and 26, 2022, HWA conducted a subsurface exploration program consisting of three machine-drilled borings and two hand borings. The machine-drilled borings, designated BH-1 through BH-3, were advanced to depths ranging from 11.3 to 31.5 feet below ground surface (bgs). The hand borings, designated HH-1 and HH-2 were advanced to depths of 3.6 and 3 feet bgs respectively. The locations of these explorations are shown in the Site and Exploration Plan, Figure 2. BH-1 was drilled by Holt Services, Inc., located in Edgewood, Washington, under subcontract to HWA. BH-2 and BH-3 were drilled by Geologic Drill Partners, of Bellevue, Washington, under subcontract to HWA. All machine drilled borings were drilled using hollow-stem auger tracked drill rigs. HH-1 and HH-2 were drilled by HWA using a hand auger and shovel. In addition, the wetland and drainage ditch in the vicinity of HH-1 was probed at the surface with a ½-inch diameter steel foundation T-probe to evaluate the density/consistency of the near surface soil. Exploration logs for borings and hand borings, along with a legend of terms and symbols used on the logs, are presented in Appendix A of this report.

During drilling of machine drilled boring BH-1, Standard Penetration Test (SPT) sampling was performed at selected depth intervals and the SPT resistance ("N-value") of the soil was logged. SPTs were performed using a 2-inch outside diameter split-spoon sampler driven by a 140-pound auto hammer. During drilling of limited access borings BH-2 and BH-3, SPTs were performed using a 2-inch outside diameter split-spoon sampler driven by a 140-pound rope and cathead hammer. During the test, a soil sample was obtained by driving the sampler 18 inches into the soil with the hammer free-falling 30 inches. The number of blows required for each 6-inch penetration was recorded. If a total of 50 blows was recorded within a single 6-inch interval, the test was terminated, and the blow count was recorded as 50 blows for the number of inches of penetration. This resistance, or N-value, provides an indication of relative density of granular soils or the relative consistency of cohesive soils. In HH-1 a dynamic cone penetrometer was used to determine relative soil density/consistency of the subsurface soils.

A geologist from HWA logged the explorations and recorded pertinent information, including sample depths, stratigraphy, soil engineering characteristics, and groundwater occurrence. Soil samples obtained from the explorations were classified in the field and representative portions were placed in plastic bags. These soil samples were then taken to our Bothell, Washington, laboratory for further examination and testing.

The stratigraphic contacts shown on the exploration logs represent the approximate boundaries between soil types; actual transitions may be more gradual. The soil and groundwater conditions depicted are only for the specific date and location reported and, therefore, are not necessarily representative of other locations and times.

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2.2 LABORATORY TESTING

Laboratory tests were conducted on selected samples retrieved from our explorations to characterize relevant engineering and index parameters of the soils encountered at the site. The tests included visual classifications, determination of natural moisture contents, Atterberg Limits, hydrometer, and grain size distributions. All tests were conducted in the HWA laboratory in general accordance with appropriate American Society for Testing and Materials (ASTM) standards. A brief description of laboratory test methodology is presented in Appendix B. The test results are presented in Appendix B and displayed on the boring logs in Appendix A, as appropriate.

2.3 PREVIOUS INVESTIGATIONS BY OTHERS

As part of this study, HWA reviewed previous exploration logs completed by others in the project area. The exploration logs were obtained from GeoEngineers, Inc. report dated August 15, 2015, for the NE 15th/16th Street Corridor project (GeoEngineers Inc., 2014). This report included three machine-drilled borings by GeoEngineers Inc. in 2013 designated B-15-2, and B-15-4 through B-15-6, two machine-drilled borings completed by Golder Associates in 2013 designated E340-B-03 and E340-B-04, and four test pits excavated by Earth Consultants, Inc. in 1983 designated TP-1, and TP-7 through TP-9. The locations of these previous explorations by others are shown in the Site and Exploration Plan, Figure 2, and the exploration logs are included in Appendix C.

3.0 GEOLOGIC AND SUBSURFACE CONDITIONS

3.1 GENERAL GEOLOGY

The project site is located within the Puget Sound lowland. During the Vashon stade, from approximately 20,000 to 13,000 years ago, the Puget lobe of the Cordilleran continental ice sheet advanced south from western British Columbia, filling the Puget Sound lowland with a maximum thickness of approximately 3,000 feet. During advance of the ice, the sedimentary environment of lakes distant from the ice front transitioned from non-glacial to glacial. As the ice approached, glacial flour (silt and clay) was deposited in areas of slack water. Next, advance outwash consisting mostly of clean sand with pebbles was deposited in broad fans by meltwater emanating from the glacier. As the advancing glacier overrode the advance outwash, a layer of till was deposited at the base of the ice. The till consists of an unsorted, non-stratified mixture of silt, sand, gravel, clay, and boulders. Due to the weight of the ice, the lodgment till, advance outwash, transitional beds, and older non-glacial terrestrial deposits have been over-consolidated to a very dense or hard condition. During retreat of the glacier, meltwater deposited sand and gravel, or fine-grained soils depending on the flow velocity.

According to the Geologic Map of Surficial Deposits in the Seattle 30' x 60' Quadrangle, Washington (Yount et al., 1993), the project area is underlain by Vashon till and advance

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outwash of the Fraser glaciation. These soil deposits have both been overlain by the glacial ice sheet and are expected to be dense to very dense.

3.2 SUBSURFACE CONDITIONS

Our borings encountered topsoil and some buried fill overlying weathered and/or non-weathered ice contact stratified drift (ICSD). ICSD is similar to the mapped glacial till but has been reworked during movement of the overriding glacier and tends to be more poorly graded than typical till deposits. Advance outwash was encountered underlying the ICSD in BH-1 starting at 25 feet bgs. Units interpreted from the boring logs are described below.

- **Topsoil** – Topsoil was encountered in all HWA borings and hand borings, extending to depths ranging from 0.5 to 2.5 feet bgs. In general, the topsoil consisted of loose, gravelly, silty sand with abundant organics and roots.

- **Fill** – Fill was encountered below the topsoil in all borings and hand holes extending to depths ranging from 2.5 to 5 feet bgs. In general, the fill consisted of medium dense, silty sand with varying amounts of gravel. We expect that the fill in borings BH-1 through BH-3 was placed and regraded in association with the laydown yard that was established in support of past construction activities.

- **Wetland Soils:** Wetland soils (located between the chain link fence and existing gravel surfaced path) consisted of very loose to loose, dark brown, very silty sand with abundant organics. The soil was wet, and surface water was observed pooling within topographic depressions. HWA probed the wetland area with a ½-inch diameter steel foundation probe, and generally encountered refusal at depths between approximately 6 to 12 inches. Probing depths generally increased towards the center of the narrow wetland area. HWA generally encountered refusal within a couple inches of the ground surface while probing within the approximate 2.5-foot-wide drainage ditch.

- **Weathered Ice Contact Stratified Drift** – Weathered Ice-contact stratified drift (ICSD) was encountered in BH-1 and BH-2 below the fill to a depth of approximately 10 and 5 feet bgs, respectively. In addition, weathered ICSD was encountered underlying the fill in the hand borings HH-1 and HH-2, extending to digging refusal. The weathered ICSD consisted of stiff to very stiff, oxidized silt and clay with varying amounts of sand and gravel. The deposit is derived from the underlying non-weathered soils but have undergone some material softening and chemical decomposition due to weathering and root growth to warrant definition of a separate unit.

- **Ice Contact Stratified Drift** – ICSD was encountered in all borings extending to depths ranging from 25 feet bgs to the termination depths of the explorations. ICSD generally consists of very dense, interbedded strata of outwash, glaciolacustrine deposits, and till

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that were deposited along an ice margin during glacial retreat. This unit was subsequently overridden by a short-lived re-advance of the ice, which typically occurred along the sides of glacial troughs. The ICSD observed at the site consisted of very stiff to hard silt and clay, finely interbedded with sand, or medium dense to very dense silty sand. Sand interbeds were wet and oxidized, whereas silt and clay beds were moist. Refusal in HH-1 on ICSD is inferred based on very dense digging and DCP test results.

- **Advance Outwash** – Advance Outwash was encountered in BH-1, B-15-4 through B-15-6, E340-B-03, and E340-B-04, underlying the ICSD and extending to the termination depth of the borings. Advance outwash soils generally consist of brown to gray-brown, clean to slightly silty, fine to medium sand with varying amounts of gravel. This unit was deposited beyond the toe of advancing glaciers during the Vashon Stade glaciation in the form of glacial meltwater stream deltas. The soils were subsequently overridden by advancing glaciers making them dense to very dense.

3.3 GROUNDWATER CONDITIONS

Perched groundwater was encountered during drilling in all our explorations at depths between approximately 0.5 to 15 feet bgs. Along the upper portion of the site perched water was encountered starting at approximately 15 feet bgs in BH-1. In BH-2, BH-3, and HH-2 groundwater was encountered in the fill, perched on the underlying glacially consolidated soil. In HH-1 seepage was encountered at 2.2 feet bgs, approximately the same elevation as the adjacent drainage ditch to the east.

We expect perched groundwater levels to vary seasonally with the highest levels and seepage rates in the wet winter months. Perched water is expected to collect near the top of the relatively impermeable ICSD deposit and flow to the east, eventually surfacing near the wetland bordering the trail, at the base of the slope. Prospective contractors should expect to encounter seasonally varying perched water within the fill and near the top of the ICSD layer during excavations.

Although not encountered in our explorations, below the ICSD deposit, a deeper groundwater table is expected within the advance outwash soils.

4.0 CONCLUSIONS & RECOMMENDATIONS

4.1 GENERAL

The soils conditions at the project site are conducive to construction of the proposed trail. The non-weathered glacially consolidated soils underlying the site, below the existing topsoil, fill and weathered soils, will provide adequate support for retaining walls and embankment construction. However, the subsurface soils are fine-grained and will be very moisture sensitive. In addition, shallow perched water may be encountered during excavations for embankment subgrade

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preparation. It is our understanding that construction of the project may extend into the wet weather season. The native bearing soils are prone to degradation, under construction traffic, if not protected during periods of wet weather. To limit degradation of the bearing soils, we recommend that subgrade preparation consist of removing all poor-quality fill, topsoil, and weathered native soils from below proposed embankments and retaining walls. Once the bearing soils are exposed, we recommend that they be immediately covered with a 1-foot-thick layer of compacted crushed surfacing base course. This layer will protect the bearing soils from degradation during periods of wet weather.

Infiltration as a means of stormwater management will not be feasible for the project, due to the underlying glacially consolidated silt and clay, and shallow perched groundwater.

4.2 SEISMIC DESIGN CONSIDERATIONS

4.2.1 Seismic Design Parameters

Earthquake loading for the project was developed in accordance with the General Procedure provided in Section 3.10 of the *AASHTO Guide Specifications for LRFD Seismic Bridge Design*, 9th Edition, 2020. For seismic analysis, the Site Class is required to be established and is determined based on the average soil properties in the upper 100 feet below the ground surface. Based on our subsurface explorations and understanding of site geology, it is our opinion that the site is underlain by soils that are consistent with Site Class C. The mapped seismic design coefficients for the design level event, which has a probability of exceedance of 7 percent in 75 years (equal to an approximate return period of approximately 1033 years), were obtained using the USGS Unified Hazard Tool to incorporate the probabilistic seismic hazard parameters from the 2014 updates to the National Hazard Maps (Peterson, et al., 2014). The recommended seismic coefficients for the design event are provided in Table 1. Site Coefficients were obtained from Tables 3.10.3.2-1 through 3.10.3.2-3 (AASHTO, 2020). The spectral acceleration coefficient at 1-second period (SD_1) is between 0.3 and 0.5 at the project location; therefore, Seismic Performance Zone 3, as given by AASHTO Table 3.10.6-1 (AASHTO, 2020), should be used.

Table 1. AASHTO Guide Specifications calculated by USGS Seismic Hazard Map

Site Class	Peak Horizontal Bedrock Acceleration PBA, (g)	Spectral Bedrock Acceleration at 0.2 sec S_S, (g)	Spectral Bedrock Acceleration at 1.0 sec S_1, (g)	Site Coefficients			Peak Horizontal Acceleration PGA (A_S), (g)
				F_{pga}	F_a	F_v	
C	0.423	0.978	0.2611	1.00	1.009	1.539	0.423

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Based on the above parameters the Peak Ground Acceleration, PGA (As) for Site Class C at the site is 0.423 g.

4.2.2 Liquefaction

Liquefaction is a temporary loss of soil shear strength due to earthquake shaking. Loose, saturated cohesionless soils are susceptible to earthquake-induced liquefaction; however, recent experience and research has shown that certain silts and low-plasticity clays are also susceptible. Primary factors controlling the development of liquefaction include the intensity and duration of strong ground motions, the characteristics of subsurface soils, in-situ stress conditions and the depth to groundwater.

Based on our subsurface explorations and mapped geology, the site is underlain by glacially consolidated soil. Due to the presence of shallow glacially consolidated soils below the site liquefaction is not expected to be a design consideration for this project.

4.3 EMBANKMENT CONSTRUCTION

Based on the current plans, embankment fills will be necessary to support portions of the trail to meet ADA requirements, and to create final grades between the trail switch backs. It is our understanding that embankment fill heights ranging from zero to 24-feet will be required to establish the proposed trail grades. A retaining wall is proposed to support the outside edge of the embankment between approximate trail station 10+75 and 15+75. Where not supported by retaining walls, we recommend that trail embankment slopes be constructed to not exceed a permanent slope of 2H:1V (Horizontal:Vertical).

4.3.1 Embankment Subgrade Preparation

The subsurface soils across the site are fine-grained soils that are highly moisture sensitive. During periods of wet weather, exposed subgrade soils may degrade under construction traffic and become unworkable. To avoid subgrade soil degradation, we recommend that all poor-quality subgrade soils be removed, and the bearing soil be protected from construction traffic by a 1-foot-thick layer of crushed surfacing base course.

Subgrade preparation should begin with the removal of existing vegetation and topsoil and include the removal of all organic material and loose fill soils. Based on soil conditions observed in our explorations we recommend 2.5 feet of fill and/or topsoil be removed from below the proposed embankment area. Once the fill and/or topsoil is removed, the underlying native soils should be evaluated by a geotechnical engineer to determine if additional over excavation is required. Actual over excavation depths, in excess of 2.5-feet, will be determined in the field at the time of construction. However, our explorations indicate that over excavation of poor-quality subgrade soils, in excess of 2.5 feet, may extend to as deep as 5-feet across the

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proposed embankment footprint. For cost estimating and contracting purposes, we recommend an assumed depth of subgrade excavation of 5-feet below ground surface.

The subgrade excavation should extend across the entire proposed embankment footprint. Where walls are used, the excavation should extend a minimum horizontal distance of 4-feet beyond the toe of the proposed wall. Where the embankment is constructed with conventional side slopes, the excavation should extend to the catch point of the embankment fill.

The subgrade excavation limits should stay outside of a 1V:1H (Vertical:Horizonal) zone of influence, extending downward from the NE Spring Boulevard structural earth wall foundation. Conducting subgrade excavations within his zone of influence could result in lose of support and damage to the existing wall structure.

The base of the subgrade excavation should be excavated flat. The topography of the site is such that some benching of the base of the subgrade excavation is expected. The base of the subgrade excavation should be graded such that perched groundwater does not collect within the lower reaches of the relatively permeable embankment fill soils, over the design life of the improvements.

Upon approval of the subgrade, the first 1-foot of the excavation should be backfilled with compacted crushed surfacing base course (CSBC) meeting the requirements of Section 9-03.9(3) of the WSDOT Standard Specifications (WSDOT, 2022). Excavation backfill can be switched to embankment structural fill, as described in Section 4.3.3, once the 1-foot of CSBC is placed and compacted.

4.3.2 Embankment Subgrade Excavation Dewatering

Shallow perched groundwater seepage was encountered in our explorations completed on April 21, 25, and 26, 2022. Due to the very low permeability of the underlying fine-grained glacially consolidated soils, perched groundwater may be encountered during the subgrade excavation for the trail embankment. Prospective contractors should be prepared to encounter and manage water intrusion emanating from perched zones above the glacially consolidated soil, and potentially from water-bearing sand lenses within the glacially consolidated material. We expect localized pump and sump systems will likely be the most effective dewatering method.

4.3.3 Embankment Structural Fill Materials

We recommend that the trail embankment be constructed with structural fill, as described below. The existing subsurface soils consist of poor-quality fill underline by fine grained soils deposits. These soils are expected to be highly moisture sensitive and difficult to impossible to compact during periods of wet weather. Given the moisture sensitive nature of the site soils and the limited area to moisture condition these soils during construction, we recommend that structural

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fill consist of imported clean, free-draining, granular soils free from organic matter or other deleterious materials. Such materials should be less than 4 inches in maximum particle dimension, with less than 7 percent fines (portion passing the U. S. Standard No. 200 sieve), as specified for "Gravel Borrow" in Section 9-03.14(1) of the WSDOT Standard Specifications (WSDOT, 2022). The fine-grained portion of structural fill soils should be non-plastic. Structural fill should also be placed between the reinforced zone of all walls.

4.3.4 Embankment Compaction

Structural fill soils should be moisture conditioned and compacted to the requirements specified in Section 2-03.3(14)C, Method C, of the WSDOT Standard Specifications (WSDOT, 2022); except the level of compaction achieved should not be less than 95% of the maximum dry density determined for the fill material by test method ASTM D-1557 (Modified Proctor). Structural fill should be placed and compacted in loose, horizontal lifts of not more than 8 inches in thickness.

At the time of placement, the moisture content of structural fill should be at or near optimum for compaction. Achievement of proper density of compacted fill depends on the size and type of compaction equipment, the number of passes, thickness of the layer being compacted, and soil moisture-density properties. In areas where limited space restricts the use of heavy equipment, smaller equipment can be used, but the soil must be placed in thin enough layers and at the proper moisture content to achieve the required relative compaction. Generally, loosely compacted soils result from poor construction technique and/or improper soil moisture content. Soils with high fines contents are particularly susceptible to becoming too wet and coarse-grained materials easily become too dry for proper compaction.

4.4 Retaining Wall Design

4.4.1 Geosynthetic Retaining Wall

Based on a review of the conceptual plans, a fill wall between approximate trail station 10+75 and 15+75 will be needed to support the proposed trail geometry. The retaining wall is expected to have retained heights ranging between approximately 5 to 24 feet. We understand that the design team has chosen to utilize a permanent geosynthetic reinforced retaining wall with concrete facing. The subject wall will be constructed to meet the requirements of WSDOT standard plan N D-3.09-00, Type 1 and Type 4 wall configurations.

Geosynthetic Wall Subgrade Preparation

Subgrade preparation is important to limit differential settlement of the wall and maintain global stability. The retaining wall subgrade excavation should be completed per the subgrade preparation recommendations provided in Section 4.3.1.

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We recommend that the wall foundation excavations be completed using a smooth (toothless) bucket. All areas on which the wall will bear should be graded perpendicular to the wall face and compacted in accordance with Section 2-03.3(14)D of the WSDOT Standard Specifications (WSDOT, 2022).

As the wall foundation soils are highly moisture sensitive, we recommend that the wall excavation be backfilled as soon as possible to protect the integrity of the exposed subgrade soils in the event of inclement weather. Failure to properly protect the subgrade soils for inclement weather could result in increased required over excavation and replacement.

Geosynthetic Retaining Wall Bearing Capacity

Retaining wall bearing capacities were evaluated using LRFD methods in general conformance with the procedures referenced in the AASHTO LRFD Bridge Design Specifications (AASHTO, 2020). Assuming the subgrade preparation recommended in Section 4.4.1 is completed, a nominal bearing capacity of 13,000 psf can be assumed with a wall embedment depth of 2-feet.

A resistance factor (φ_b) of 0.65 should be applied to the nominal bearing capacity for the strength limit state. For the extreme limit state, a resistance factor (φ_b) of 0.9 should be applied to the nominal bearing capacity.

Geosynthetic Retaining Wall Settlement

The non-weathered ICSD soils are glacially consolidated and are not expected to undergo consolidation settlement due to construction of the retaining wall. If the wall subgrade is prepared as recommended in Section 4.4.1, the wall settlement is not expected to exceed 1 inch. Most wall settlement is expected to occur during construction, as the loads are applied.

Geosynthetic Retaining Wall Global Stability

Using the computer program SLIDE 5.0, HWA has evaluated the proposed embankment and retaining wall for static and seismic global stability. Analyses were completed utilizing proposed site grades and wall geometry information provided by the City of Bellevue and David Evans and Associates (DEA). Factors of safety for static global stability in excess of 1.5 were calculated given the geologic conditions and a minimum wall embedment of 2 feet.

Seismic stability was evaluated using a pseudo-static horizontal acceleration of 0.2115g, which is ½ of the peak ground acceleration (PGA) associated with the 1:1033-year design earthquake for this site location. From our analyses, we conclude that, under a design earthquake, a factor of safety for global stability greater than 1.1 will exist.

We conclude from our analyses that global stability will be adequate under static and seismic loading conditions if wall embedment of at least 2 feet is maintained, and subgrade preparation is completed as recommended in Section 4.4.1.

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Geosynthetic Retaining Wall Drainage

We assume that the proposed wall will consist of a geosynthetic reinforced wall that is faced with concrete panels or shotcrete. Proper wall drainage is essential to prevent premature failure of the wall system. As the wall facing will act as barrier to groundwater flow, we recommend that a wall drain be installed just below the base of the lowest wall reinforcing layer, below the wall face, to allow for drainage of any water that builds up behind the wall facing. We recommend the drain consist of a 6-inch-diameter perforated drainpipe that conveys all collected water to a suitable outlet. We expect that a suitable outlet will consist of a quarry spall pad designed and positioned to dissipate energy and allow sheet flow to the adjacent wetland. The pipes should be bedded and backfilled with Gravel Backfill for Drains, as specified in Section 9-03.12(4) of the WSDOT Standard Specifications (WSDOT, 2022). The drainpipe should be sloped to drain and routed to an appropriate discharge location.

4.4.2 Reinforced Concrete Retaining Wall

Based on a review of the conceptual plans, a fill wall between approximate trail station 15+15 and 15+75 will be needed to support the proposed trail geometry. The retaining wall is expected to have a maximum retained height of 9 feet. We understand that the design team has chosen to utilize a reinforced concrete retaining wall. The subject wall will be constructed to meet the requirements of WSDOT Standard Plan D-10.20-01, Type 3 configuration.

Reinforced Concrete Retaining Wall Subgrade Preparation

It is our understanding that the proposed reinforced concrete retaining wall will be constructed near the top of an embankment fill and founded on imported structural fill compacted to 95 percent of modified proctor.

Subgrade preparation for the wall will consist of ensuring that all structural fill placed below the wall foundation is placed in lifts and properly compacted. Once the wall foundation elevation is reached, the structural fill should be graded per the dimensions shown on the standard plan and compacted per the project specifications

Reinforced Concrete Retaining Wall Backfill

The reinforced concrete retaining wall should be backfilled with structural fill meeting the requirements of Section 4.3.3 of this report. Retaining wall backfill should be compacted per the requirements of Section 4.3.4 of this report.

Reinforced Concrete Retaining Wall Bearing Capacity

Retaining wall bearing capacity was evaluated using LRFD methods in general conformance with the procedures referenced in the AASHTO LRFD Bridge Design Specifications (AASHTO, 2020). Assuming the wall foundation is constructed on structural fill compacted to 95 percent of modified proctor, a nominal bearing capacity of 5,000 psf can be assumed with a wall embedment depth of 2-feet.

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For the strength limit state, a resistance factor (φ_b) of 0.45 should be applied to the nominal bearing capacities. For sliding, a resistance factor (φ_{ep}) of 0.80 should be applied to the frictional component. The interface friction angle (δ) between the structural fill and cast-in-place concrete can be taken as 32°.

For the Service I Limit State, total bearing capacity is provided for an allowable settlement of 1 inch. If a Service I Limit State capacity for a different settlement value (e.g. 2 inches or ½ inch) is needed, we should be contacted to revise our calculations.

For the extreme limit state, a resistance factor (φ_b) of 1.0 should be applied to the ultimate bearing capacity.

Based on HWA's review of WSDOT Standard Plan D-10.20-01, Type 3 configuration, we believe that adequate bearing capacity will be available for a wall with a maximum height of 9-feet.

Reinforced Concrete Retaining Wall Earth Pressure Considerations

Under static loading conditions, the WSDOT standard plan retaining wall was designed with the assumption of wall backfill possessing a friction angle of 36 degrees and a unit weight of 130 pcf. This is consistent with the shear strength and material properties we expect for compacted gravel borrow wall backfill. Therefore, the standard plan retaining wall configuration will be adequate to resist the anticipated static earth pressures.

Under earthquake loading conditions, the retaining wall will experience an incremental additional horizontal earth pressure. This increment can be approximated using the Mononobe-Okabe method utilizing 0.5 times the PGA for the site, (0.5)(0.423g)= 0.2115g. Assuming a 3H:1V slope at the top of the wall, this results in a design active-plus-seismic earth pressure coefficient Ka_e = 0.504. Ka_e=0.504 is less than the Ka_e = 0.94 that the standard plan wall was designed to resist. It should be noted that our earth pressure coefficient calculation assume that the wall is free to defect slightly during the seismic event. Therefore, the standard plan retaining wall configuration will be adequate to resist the anticipated seismic earth pressures.

Reinforced Concrete Retaining Wall Global Stability

Using the computer program SLIDE 5.0, HWA has evaluated the proposed reinforced concrete retaining wall for static and seismic global stability. Analyses were completed utilizing proposed site grades and wall geometry information provided by the City of Bellevue and David Evans and Associates (DEA). Factors of safety for static global stability in excess of 1.5 were calculated given the geologic conditions and a minimum wall embedment of 2 feet.

Seismic stability was evaluated using a pseudo-static horizontal acceleration of 0.2115g, which is ½ of the peak ground acceleration (PGA) associated with the 1:1033-year design earthquake for this site location. From our analyses, we conclude that, under a design earthquake, a factor of safety for global stability greater than 1.1 will exist.

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We conclude from our analyses that global stability will be adequate under static and seismic loading conditions if wall embedment of at least 2 feet is maintained.

Reinforced Concrete Retaining Wall Drainage

Proper wall drainage is essential to prevent premature failure of the wall system. As the wall will act as barrier to groundwater flow, we recommend that a wall drain be installed behind the base of the wall. We recommend that the wall drain be constructed per WSDOT drainage detail from Standard Plan D-4, condition B with a geotextile. The drainpipe should be sloped to drain and routed to an appropriate discharge location.

4.5 STORM WATER MANAGEMENT

We understand that the design team would like to consider the use of onsite infiltration as a means of stormwater management for the project. Our subsurface explorations indicate the presence of near surface fine-grained ICSD soils underlying the entirety of the site. These soils represent a hydraulicly-restrictive material, per the City of Bellevue Storm and Surface Water Engineering Standards (Bellevue, 2021).

Grain size methodology of estimating infiltration rates based on material properties, outlined in the Department of Ecology Stormwater Management Manual for Western Washington (DOE, 2019), were used to confirm that the subsurface soils represent a hydraulicly-restrictive material.

Our analysis of samples collected within the ICSD deposits indicate that the fine-grained soils, underlying the site, possess an infiltration rate of zero inches per hour, suggesting they represent a hydraulic-restrictive material and onsite infiltration is not feasible at this site. It should be noted that a Massmann grain size analysis is generally used to identify infiltration rates of soils that have not been overridden by the glacial ice sheet (normally consolidated soils), as Massmann's method does not take into account soil density. However, as the glacially consolidated nature of the ICSD material would only reduce the expected infiltration rate, a calculated rate of zero inches per hour is sufficient to determine that the soils represent a hydraulicly-restrictive material and are not conducive to the use of onsite infiltration as a means of stormwater management. HWA does not recommend any further infiltration testing at this site. Table 2 summarizes the data used in the Massmann analysis.

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Table 2.
Infiltration Screening Based on Grain Size Analysis

Boring		BH-1	BH-2	BH-3
Depth	ft	12.5	7.5	5
USCS Classification		CH	CH	ML
D10	mm	0.0005	0.005	0.0005
D60	mm	0.005	0.03	0.02
D90	mm	0.05	0.07	0.2
f_{fines}	%	94	89	83
K_{des}	in/hr	**0.0**	**0.0**	**0.0**

As the native soils are not conducive to the use of onsite infiltration as a means of stormwater management, we recommend that other measures, such as detention, be considered.

4.6 TEMPORARY EXCAVATIONS

Maintenance of safe working conditions, including temporary excavation stability, is the responsibility of the contractor. In accordance with Part N of Washington Administrative Code (WAC) 296-155, latest revisions, all temporary cuts in excess of 4 feet in height must be either sloped or shored prior to entry by personnel. Based on the guidelines, the onsite existing fill and weather native soils classify as Type C soils. These materials should be sloped no steeper than 1.5H:1V. The underlying undisturbed glacially consolidated soil are classified as Type A soils. Temporary unsupported excavations within these soils may be sloped no steeper than 3/4H:1V.

During our explorations groundwater seepage was encountered at shallow depths. These recommended maximum slopes are applicable to temporary excavations above the water table only; flatter side slopes would be required for excavations where groundwater seepage is encountered.

The contractor should monitor the stability of temporary cut slopes and adjust the construction schedule and slope inclination accordingly. The contractor should be responsible for control of ground and surface water and should employ sloping, slope protection, ditching, sumps, dewatering, and other measures, as necessary, to prevent sloughing of soils.

5.0 CONDITIONS AND LIMITATIONS

We have prepared this report for use by the City of Bellevue and DEA for use in the design of this project. This report should be provided in its entirety to prospective contractors for bidding and estimating purposes; however, the conclusions and interpretations presented herein should not be construed as a warranty of the subsurface conditions. Experience has shown that soil and groundwater conditions can vary significantly over small distances. Inconsistent conditions can

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occur between explorations that may not be detected by a geotechnical study. If, during future site operations, subsurface conditions are encountered which vary appreciably from those described herein, HWA should be notified for review of the recommendations of this report, and revision of such if necessary. If there is a substantial lapse of time between submission of this report and the start of construction, or if conditions change due to construction operations at or adjacent to the project site, it is recommended that this report be reviewed to determine the applicability of the conclusions and recommendations considering the changed conditions and time lapse.

We recommend that HWA be retained to review the plans and specifications to verify that our recommendations have been interpreted and implemented as intended. Sufficient geotechnical monitoring, testing, and consultation should be provided during construction to confirm that the conditions encountered are consistent with those indicated by the explorations, to provide recommendations for design changes should conditions revealed during construction differ from those anticipated, and to verify that the geotechnical aspects of construction comply with the contract plans and specifications.

Within the limitations of scope, schedule and budget, HWA attempted to execute these services in accordance with generally accepted professional principles and practices in the fields of geotechnical engineering and engineering geology at the time the report was prepared. No warranty, express or implied, is made. The scope of our work did not include environmental assessments or evaluations regarding the presence or absence of wetlands or hazardous or toxic substances in the soil, surface water, or groundwater at this site.

HWA does not practice or consult in the field of safety engineering. We do not direct the contractor's operations and cannot be responsible for the safety of personnel other than our own on the site. As such, the safety of others is the responsibility of the contractor. The contractor should notify the owner if he considers any of the recommended actions presented herein unsafe.

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January 6, 2023
HWA Project No. 2022-002-21

We appreciate this opportunity to be of service.

Sincerely,

HWA GEOSCIENCES INC.

Joe Westergreen, P.E.
Geotechnical Engineer

Donald J. Huling, P.E.
Principal Geotechnical Engineer

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6.0 REFERENCES

American Association of State Highway and Transportation Officials, 2020. *AASHTO Guide Specifications for LRFD Seismic Bridge Design,* 9th Edition, American Association of State Highway and Transportation Officials. Washington, DC.

City of Bellevue, *Storm and Surface Water Engineering Standards*, 2021

Department of Ecology, *Stormwater Management Manual for Western Washington*, 2019

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Petersen, Mark D.; Moschetti, Morgan P.; Powers, Peter M.; Mueller, Charles S., Haller, Kathleen M.; Frankel, Arthur D., Zeng, Yuehua; Rezaeian, Sanaz; Harmsen, Stephen C.; Boyd, Oliver S.; Field, Ned; Chen, Rui, Rukstales, Kenneth S.; Luco, Nico; Wheeler, Russell L.; Williams, Robert A. and Olsen, Anna H., *Documentation for the 2014 Update of the United States National Seismic Hazard Maps,* Open-File Report 2014-1091.

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Yount, J.C., Minard, J.P., and Dembroff, G.R., 1993. *Geologic Map of Surficial Deposits in the Seattle 30' x 60' Quadrangle, Washington*. Department of the Interior, United States Geological Survey, Open File Report 93-233, scale 1:100,000.

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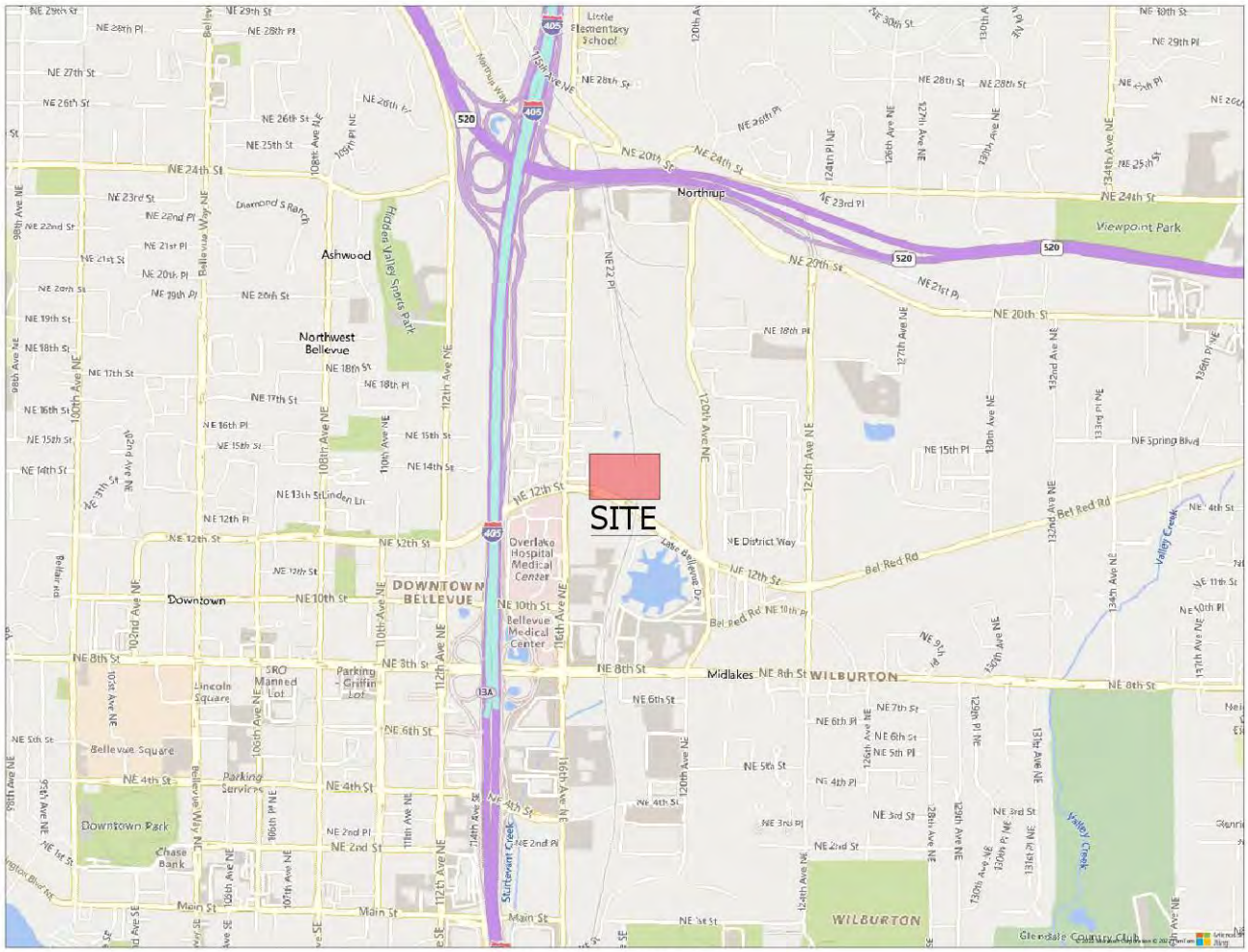
SITE MAP

0 200' 400' 600' 800'

SCALE: 1" = 400'



VICINITY MAP

0 1000' 2000' 3000' 4000'

SCALE: 1" = 2000'

GEOSCIENCES INC.
DBE/MWBE

SITE AND VICINITY MAP

EASTRAIL TO NE SPRING BLVD TRAIL LINK
BELLEVUE, WASHINGTON

FIGURE NO.: 1

DRAWN BY: CF
CHECK BY: JTW

PROJECT # 2022-002-21

C:\USERS\CFRY\DESKTOP\2022-002-21 BELLEVUE EAST TRAIL\2022-002-21 BELLEVUE EAST TRAIL.DWG <1> Plotted: 1/5/2023 11:19 AM

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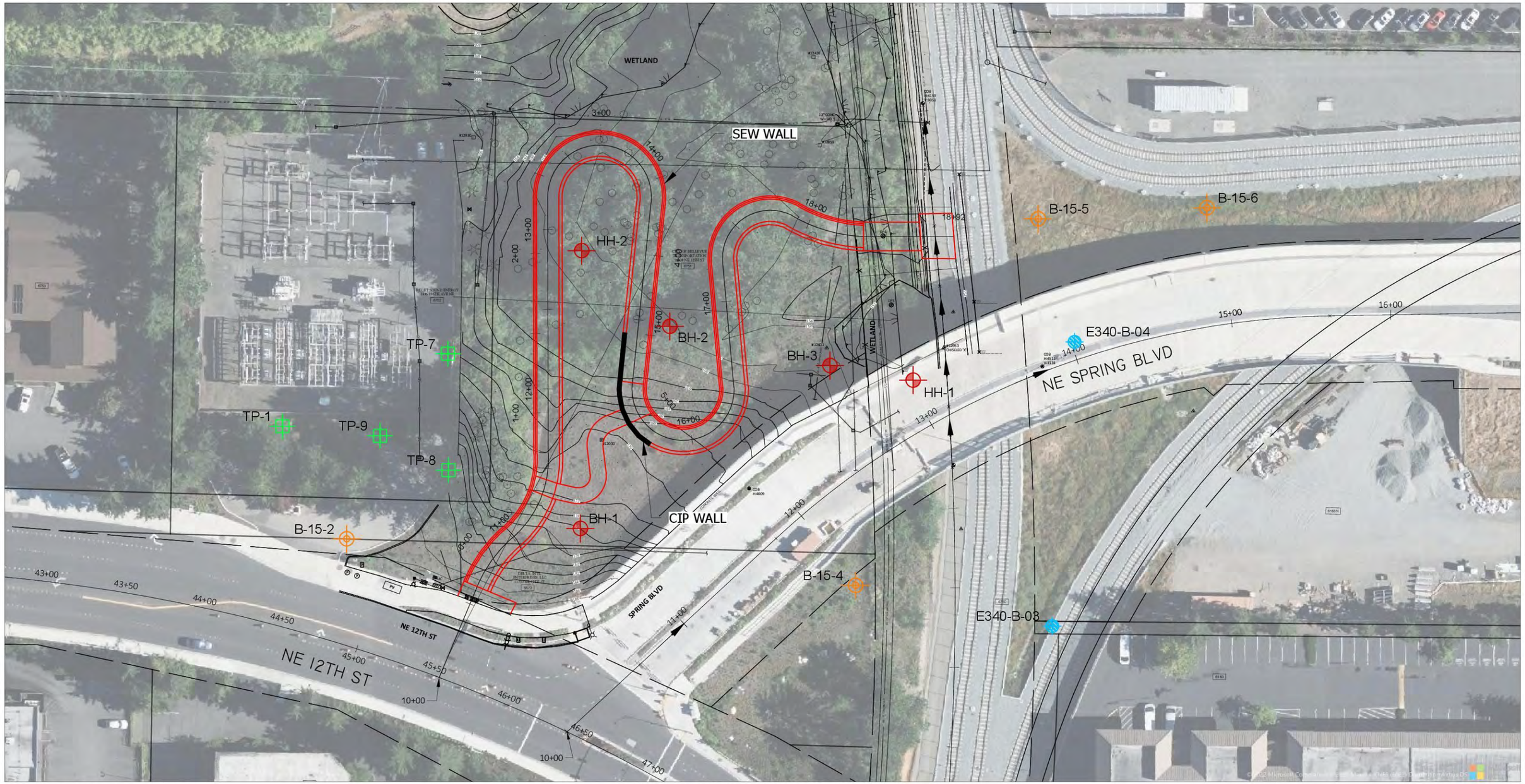

EXPLORATION LEGEND

- BH-1 — BOREHOLE DESIGNATION AND APPROXIMATE LOCATION
- TP-1 — BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (EARTH CONSULTANTS, 1983)
- E340-B-03 — BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (GOLDER, 2013)
- B-15-2 — BOREHOLE DESIGNATION AND APPROXIMATE LOCATION (GEOENGINEERS, 2014)

NE 12TH ST/SPRING BOULEVARD
Scale: 1" = 60'-0"

N

0 30 60 90 120
SCALE: 1" = 60'

BASE MAP PROVIDED BY: BING AND DEA 5.4.2022

C:\USERS\CFRY\DESKTOP\2022-002-21 BELLEVUE EAST TRAIL\2022-002-21 BELLEVUE EAST TRAIL.DWG <2> Plotted: 1/5/2023 11:19 AM

GeoSciences Inc. DBE/MWBE

EASTRAIL TO NE SPRING BLVD TRAIL LINK
BELLEVUE, WASHINGTON

SITE & EXPLORATION PLAN

DRAWN BY:	FIGURE NO.:
CF	2
CHECK BY:	PROJECT NO.:
MAB/JTW	2022-002-21

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APPENDIX A

FIELD EXPLORATIONS

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RELATIVE DENSITY OR CONSISTENCY VERSUS SPT N-VALUE

COHESIONLESS SOILS			COHESIVE SOILS		
Density	N (blows/ft)	Approximate Relative Density(%)	Consistency	N (blows/ft)	Approximate Undrained Shear Strength (psf)
Very Loose	0 to 4	0 - 15	Very Soft	0 to 2	<250
Loose	4 to 10	15 - 35	Soft	2 to 4	250 - 500
Medium Dense	10 to 30	35 - 65	Medium Stiff	4 to 8	500 - 1000
Dense	30 to 50	65 - 85	Stiff	8 to 15	1000 - 2000
Very Dense	over 50	85 - 100	Very Stiff	15 to 30	2000 - 4000
			Hard	over 30	>4000

USCS SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS			GROUP DESCRIPTIONS	
Coarse Grained Soils	Gravel and Gravelly Soils	Clean Gravel (little or no fines)	GW	Well-graded GRAVEL
			GP	Poorly-graded GRAVEL
	More than 50% of Coarse Fraction Retained on No. 4 Sieve	Gravel with Fines (appreciable amount of fines)	GM	Silty GRAVEL
			GC	Clayey GRAVEL
More than 50% Retained on No. 200 Sieve Size	Sand and Sandy Soils	Clean Sand (little or no fines)	SW	Well-graded SAND
			SP	Poorly-graded SAND
	50% or More of Coarse Fraction Passing No. 4 Sieve	Sand with Fines (appreciable amount of fines)	SM	Silty SAND
			SC	Clayey SAND
Fine Grained Soils	Silt and Clay	Liquid Limit Less than 50%	ML	SILT
			CL	Lean CLAY
			OL	Organic SILT/Organic CLAY
50% or More Passing No. 200 Sieve Size	Silt and Clay	Liquid Limit 50% or More	MH	Elastic SILT
			CH	Fat CLAY
			OH	Organic SILT/Organic CLAY
Highly Organic Soils			PT	PEAT

TEST SYMBOLS

%F	Percent Fines
AL	Atterberg Limits: PL = Plastic Limit, LL = Liquid Limit
CBR	California Bearing Ratio
CN	Consolidation
DD	Dry Density (pcf)
DS	Direct Shear
GS	Grain Size Distribution
K	Permeability
MD	Moisture/Density Relationship (Proctor)
MR	Resilient Modulus
OC	Organic Content
pH	pH of Soils
PID	Photoionization Device Reading
PP	Pocket Penetrometer (Approx. Comp. Strength, tsf)
Res.	Resistivity
SG	Specific Gravity
CD	Consolidated Drained Triaxial
CU	Consolidated Undrained Triaxial
UU	Unconsolidated Undrained Triaxial
TV	Torvane (Approx. Shear Strength, tsf)
UC	Unconfined Compression

SAMPLE TYPE SYMBOLS

- 2.0" OD Split Spoon (SPT) (140 lb. hammer with 30 in. drop)
- Shelby Tube
- Non-standard Penetration Test (3.0" OD Split Spoon with Brass Rings)
- Small Bag Sample
- Large Bag (Bulk) Sample
- Core Run
- 3-1/4" OD Split Spoon

GROUNDWATER SYMBOLS

- Groundwater Level (measured at time of drilling)
- Groundwater Level (measured in well or open hole after water level stabilized)

COMPONENT DEFINITIONS

COMPONENT	SIZE RANGE
Boulders	Larger than 12 in
Cobbles	3 in to 12 in
Gravel	3 in to No 4 (4.5mm)
Coarse gravel	3 in to 3/4 in
Fine gravel	3/4 in to No 4 (4.5mm)
Sand	No. 4 (4.5 mm) to No. 200 (0.074 mm)
Coarse sand	No. 4 (4.5 mm) to No. 10 (2.0 mm)
Medium sand	No. 10 (2.0 mm) to No. 40 (0.42 mm)
Fine sand	No. 40 (0.42 mm) to No. 200 (0.074 mm)
Silt and Clay	Smaller than No. 200 (0.074mm)

COMPONENT PROPORTIONS

PROPORTION RANGE	DESCRIPTIVE TERMS
< 5%	Clean
5 - 12%	Slightly (Clayey, Silty, Sandy)
12 - 30%	Clayey, Silty, Sandy, Gravelly
30 - 50%	Very (Clayey, Silty, Sandy, Gravelly)
Components are arranged in order of increasing quantities.	

NOTES: Soil classifications presented on exploration logs are based on visual and laboratory observation.
Soil descriptions are presented in the following general order:

Density/consistency, color, modifier (if any) GROUP NAME, additions to group name (if any), moisture content. Proportion, gradation, and angularity of constituents, additional comments. (GEOLOGIC INTERPRETATION)

Please refer to the discussion in the report text as well as the exploration logs for a more complete description of subsurface conditions.

MOISTURE CONTENT

DRY	Absence of moisture, dusty, dry to the touch.
MOIST	Damp but no visible water.
WET	Visible free water, usually soil is below water table.

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Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

LEGEND OF TERMS AND SYMBOLS USED ON EXPLORATION LOGS

PROJECT NO.: 2022-002-21 FIGURE: A-1

LEGEND 2022-002.GPJ 1/6/23

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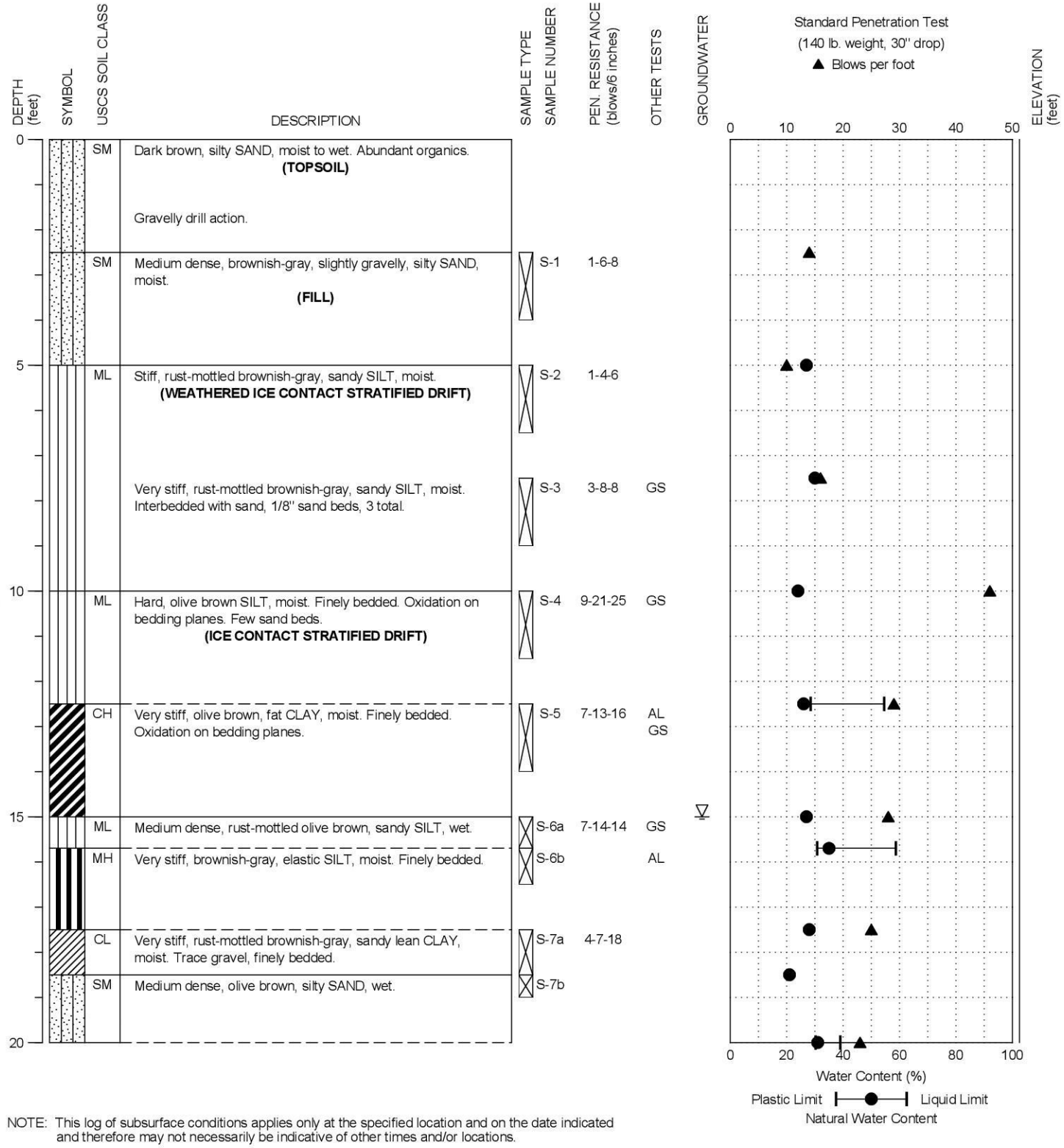
DRILLING COMPANY: Holt Services, Inc.
DRILLING METHOD: Mobile B57 Tracked Rig w/4.25" ID Auger
SAMPLING METHOD: SPT w/Autohammer
LOCATION: See Figure 2

DATE STARTED: 4/26/2022
DATE COMPLETED: 4/26/2022
LOGGED BY: M.A. Benson



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

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Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

BORING: BH-1

PROJECT NO.: 2022-002-21 FIGURE: A-2

BORING-DSM 2022-002.GPJ 1/6/23

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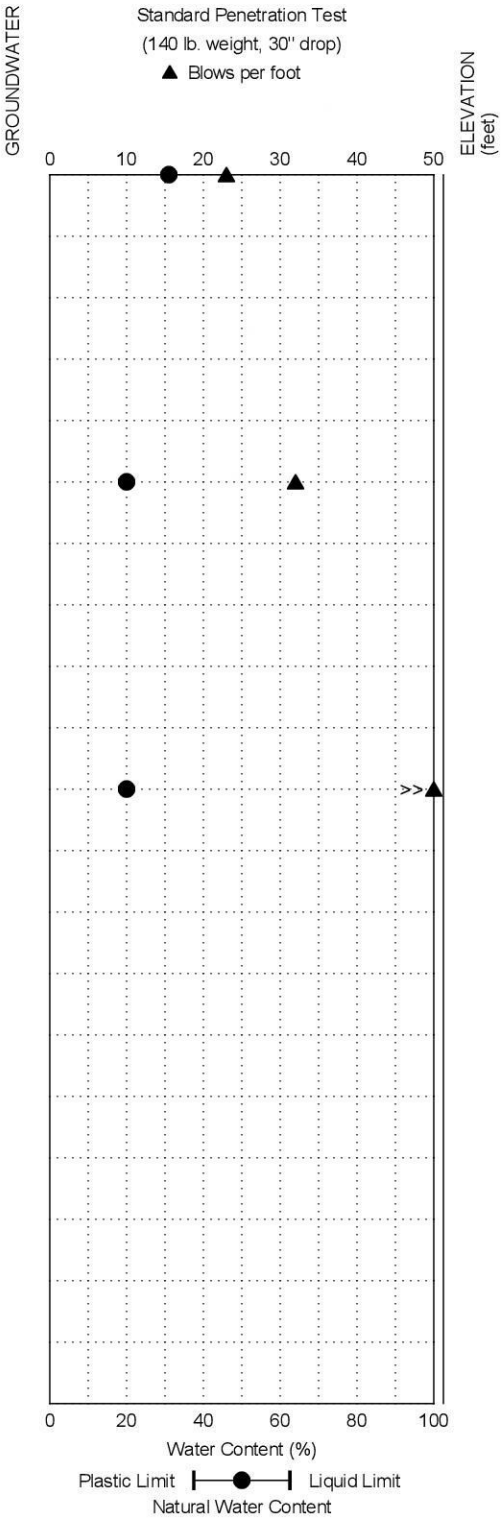
DRILLING COMPANY: Holt Services, Inc.
DRILLING METHOD: Mobile B57 Tracked Rig w/4.25" ID Auger
SAMPLING METHOD: SPT w/Autohammer
LOCATION: See Figure 2

DATE STARTED: 4/26/2022
DATE COMPLETED: 4/26/2022
LOGGED BY: M.A. Benson

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
20		ML	Very stiff, dark gray, SILT, moist. Finely bedded. Silty fine sand bed from 21' to 21.25'.		S-8	7-11-12	AL
25		SM	Dense, dark gray, silty fine SAND, moist to wet. Finely bedded. **(ADVANCE OUTWASH)**		S-9	9-15-17	GS
30			Becomes very dense, slightly gravelly.		S-10	7-22-50/5"	
35							
40							

BH-1 terminated at 31.40 feet below ground surface (bgs).
Perched groundwater encountered at 15 feet bgs during the exploration.
BH-1 abandoned with 3/8" bentonite chips.



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

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Eastrail to NE Spring Blvd. Trail Link
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BORING: BH-1

PROJECT NO.: 2022-002-21 FIGURE: A-2

BORING-DSM 2022-002.GPJ 1/6/23

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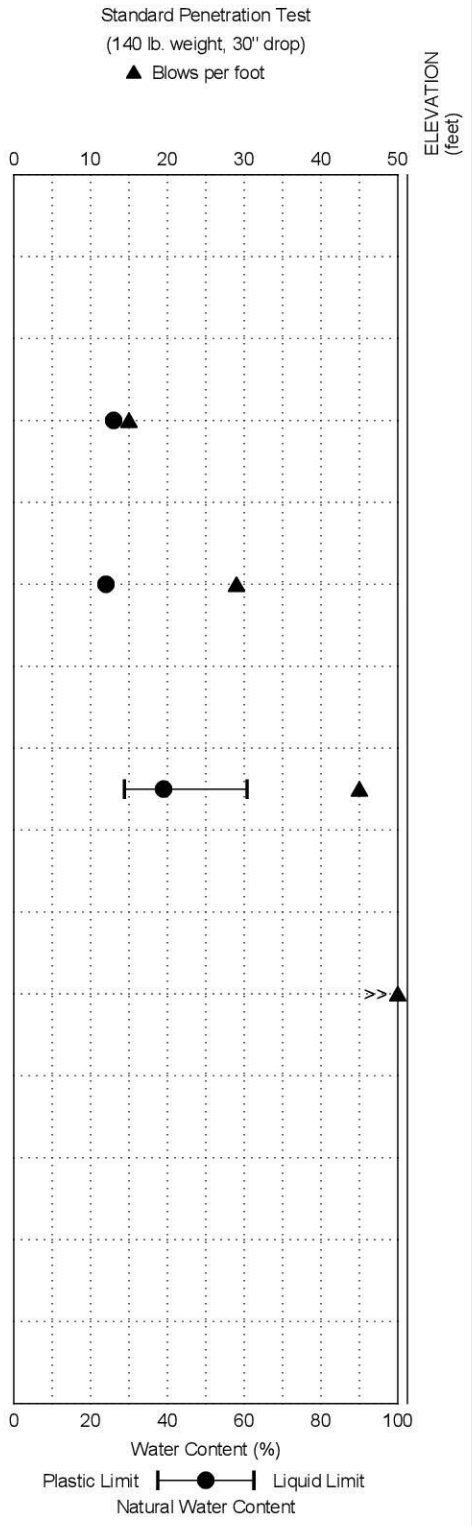
DRILLING COMPANY: Geologic Drill Partners
DRILLING METHOD: Limited Access Bobcat Tracked Rig w/2.25" ID Auger
SAMPLING METHOD: SPT w/Rope and Cathead
LOCATION: See Figure 2

DATE STARTED: 4/25/2022
DATE COMPLETED: 4/25/2022
LOGGED BY: M.A. Benson

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION	SAMPLE TYPE	SAMPLE NUMBER	PEN. RESISTANCE (blows/6 inches)	OTHER TESTS
0		SM	Dark brown, gravelly, silty SAND, moist to wet. Abundant organics. **(TOPSOIL)**				
		SM	Cuttings become olive brown, gravelly, silty SAND, moist. **(FILL)**				
		CL	Stiff, rust-mottled olive brown, sandy CLAY, moist. Finely bedded, with few sand interbeds. Sand interbeds wet. **(WEATHERED ICE CONTACT STRATIFIED DRIFT)**		S-1	4-6-9	GS
5		ML	Very stiff, brownish-gray, SILT, moist. Sand interbeds decrease. **(ICE CONTACT STRATIFIED DRIFT)**		S-2	7-12-17	GS
		CH	Hard, olive brown, sandy fat CLAY, moist. Sand bed from 8.2' to 8.5'. Sand bed wet. **(ICE CONTACT STRATIFIED DRIFT)**		S-3	12-21-24	AL GS
10			Hard, olive brown, SILT, moist, interbedded with very dense, rust-mottled olive brown silty SAND, wet. Bedding 1/8" to 1/4" thick.		S-4	19-26-38	
15			BH-2 terminated at 11.5 feet below ground surface (bgs). Perched groundwater encountered at 3 feet bgs in the sand beds during the exploration. BH-1 abandoned with 3/8" bentonite chip.				

GROUNDWATER ▽



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

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BORING: BH-2

PAGE: 1 of 1

PROJECT NO.: 2022-002-21 FIGURE: A-3

BORING-DSM 2022-002.GPJ 1/6/23

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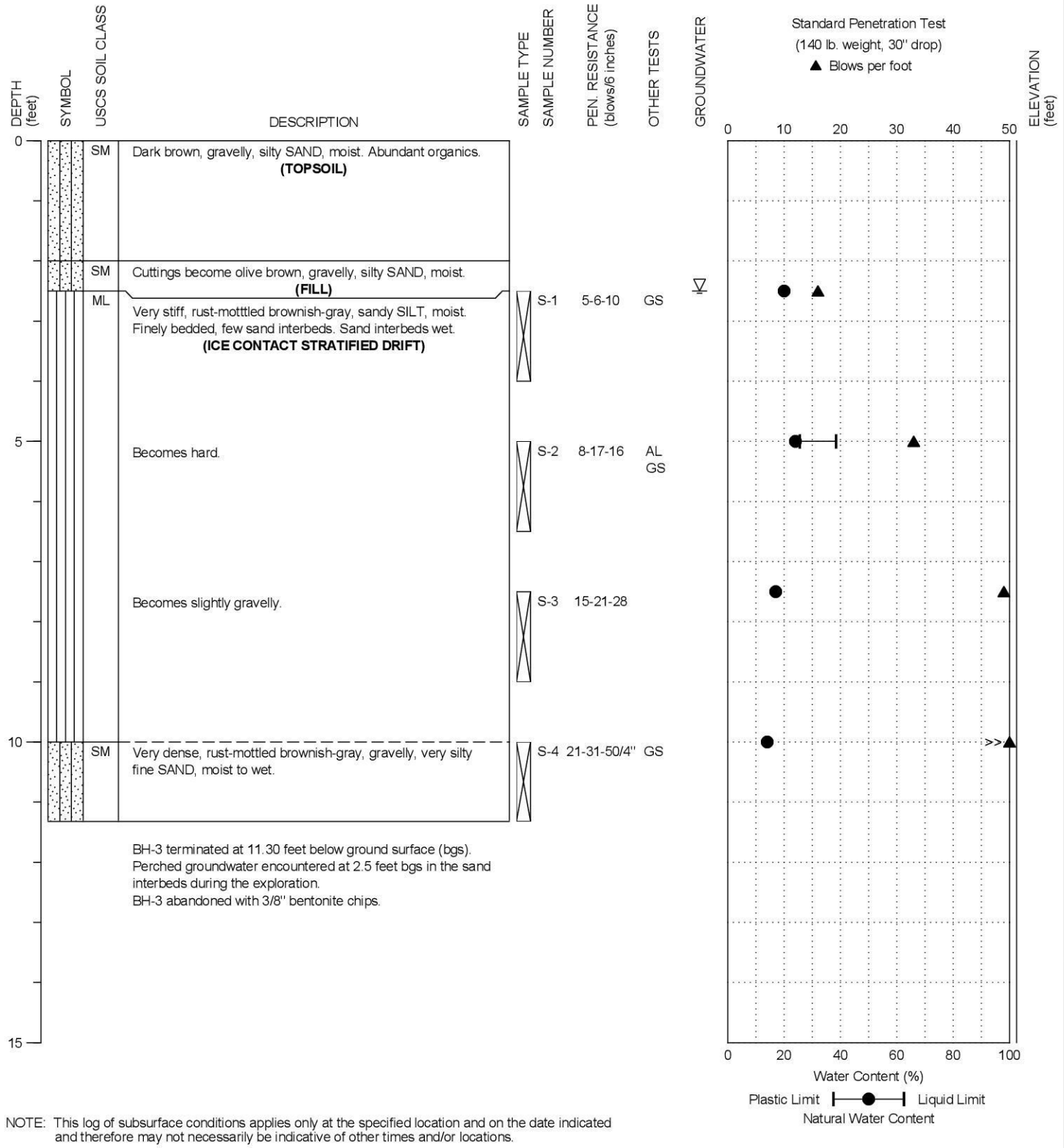
DRILLING COMPANY: Geologic Drill Partners
DRILLING METHOD: Limited Access Bobcat Tracked Rig w/2.25" ID Auger
SAMPLING METHOD: SPT w/Rope and Cathead
LOCATION: See Figure 2

DATE STARTED: 4/25/2022
DATE COMPLETED: 4/25/2022
LOGGED BY: M.A. Benson



BH-3 terminated at 11.30 feet below ground surface (bgs).
Perched groundwater encountered at 2.5 feet bgs in the sand interbeds during the exploration.
BH-3 abandoned with 3/8" bentonite chips.

NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

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Eastrail to NE Spring Blvd. Trail Link
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BORING:
BH-3

PROJECT NO.: 2022-002-21 FIGURE: A-4

BORING-DSM 2022-002.GPJ 1/6/23

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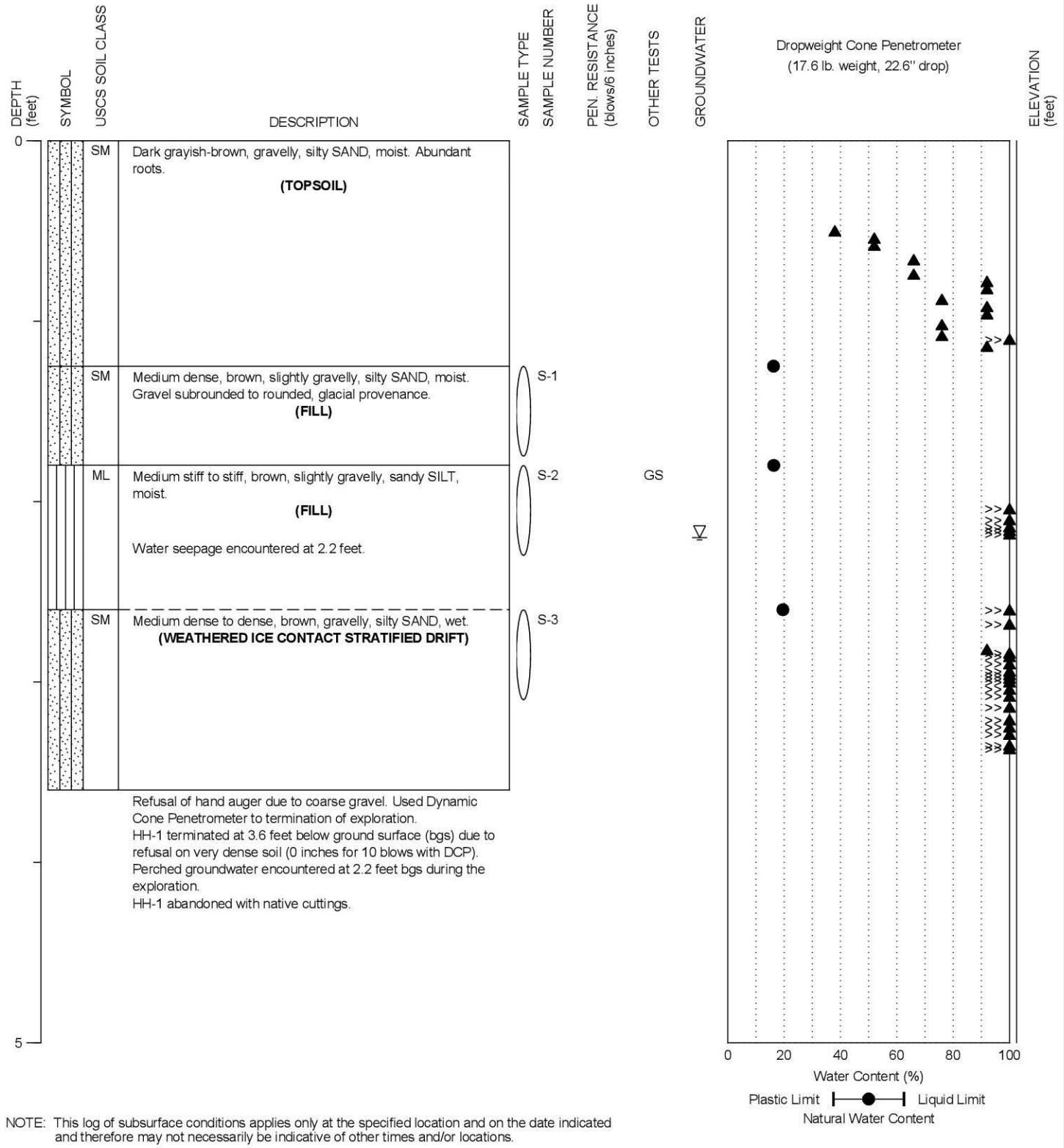
DRILLING COMPANY: HWA GeoSciences Inc.
DRILLING METHOD: Hand Auger
SAMPLING METHOD: Grab
LOCATION: See Figure 2

DATE STARTED: 4/21/2022
DATE COMPLETED: 4/21/2022
LOGGED BY: M.A. Benson



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

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Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

HAND HOLE:
HH-1

PAGE: 1 of 1

PROJECT NO.: 2022-002-21 FIGURE: A-5

HANDHOL-DSM 2022-002.GPJ 1/6/23

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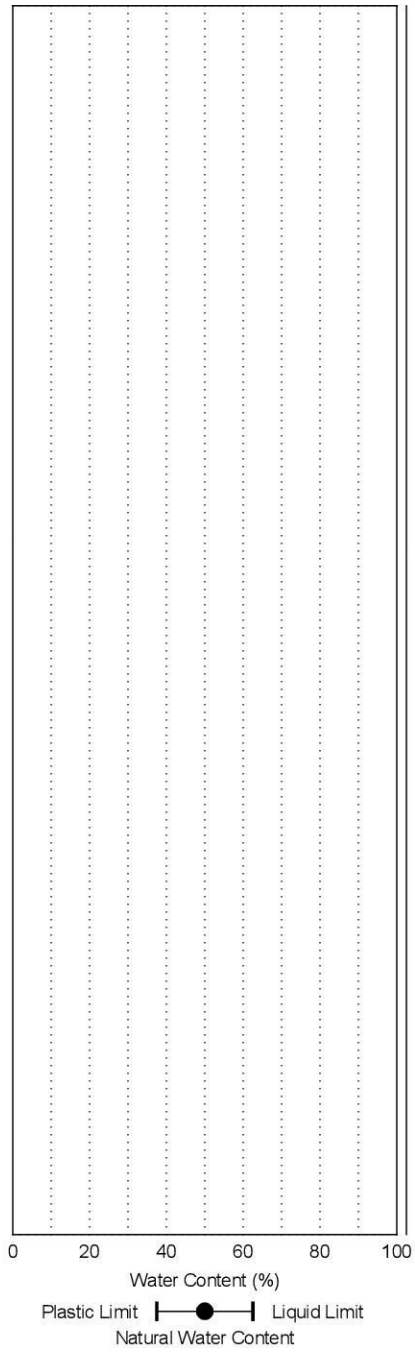
DRILLING COMPANY: HWA GeoSciences Inc.
DRILLING METHOD: Shovel
SAMPLING METHOD:
LOCATION: See Figure 2

DATE STARTED: 4/26/2022
DATE COMPLETED: 4/26/2022
LOGGED BY: M.A. Benson

DEPTH (feet)	SYMBOL	USCS SOIL CLASS	DESCRIPTION
0		SM	Loose to medium dense, dark brown, gravelly, silty SAND, moist. Abundant organics and roots. **(TOPSOIL)**
		SM	Medium dense, brownish-gray, silty, gravelly SAND, wet. subrounded to rounded coarse gravel and cobbles, glacial provenance. **(FILL)**
		ML	Medium dense to dense, rust-mottled brownish-gray, sandy SILT, moist. **(WEATHERED ICE CONTACT STRATIFIED DRIFT)**
5			

SAMPLE TYPE
SAMPLE NUMBER
PEN. RESISTANCE (blows/6 inches)
OTHER TESTS
GROUNDWATER
ELEVATION (feet)

HH-2 terminated at 3 feet below ground surface (bgs).
Perched groundwater encountered at 0.5 feet bgs during the exploration.
HH-2 abandoned with native cuttings.



NOTE: This log of subsurface conditions applies only at the specified location and on the date indicated and therefore may not necessarily be indicative of other times and/or locations.

GEOSCIENCES INC.

Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

HAND HOLE:
HH-2

PAGE: 1 of 1

PROJECT NO.: 2022-002-21 FIGURE: A-6

HANDHOL-DSM 2022-002.GPJ 1/6/23

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APPENDIX B

LABORATORY TESTING

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APPENDIX B

LABORATORY TESTING

Representative soil samples obtained from the explorations were placed in plastic bags to prevent loss of moisture and transported to our Bothell, Washington, laboratory for further examination and testing. Laboratory tests were conducted on selected soil samples to characterize relevant engineering and index properties of the site soils.

MOISTURE CONTENT OF SOIL: The moisture content of selected soil samples (percent by dry mass) was determined in general accordance with ASTM D 2216. The results are shown at the sampled intervals on the appropriate summary logs in Appendix A and on the Summary of Material Properties provided on Figures B-1 and B-2 in Appendix B.

PARTICLE SIZE ANALYSIS OF SOILS: Selected samples were tested to determine the particle (grain) size distribution of material in general accordance with ASTM D 422. The results are summarized on the attached Summary of Material Properties, Figure B-1, and Particle Size Analysis of Soils reports, Figures B-3 through B-6 (Appendix B) which also provide information regarding the classification of the sample.

LIQUID LIMIT, PLASTIC LIMIT, AND PLASTICITY INDEX OF SOILS (ATTERBERG LIMITS): Selected samples were tested using method ASTM D 4318, multi-point method. The results are reported on the attached Liquid Limit, Plastic Limit, and Plasticity Index report, Figure B-7 (Appendix B)

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EXPLORATION DESIGNATION	TOP DEPTH (feet)	BOTTOM DEPTH (feet)	MOISTURE CONTENT (%)	ORGANIC CONTENT (%)	SPECIFIC GRAVITY	ATTERBERG LIMITS (%)			% GRAVEL	% SAND	% FINES	ASTM SOIL CLASSIFICATION	SAMPLE DESCRIPTION
						LL	PL	PI					
BH-1,S-2	5.0	6.5	27.1									ML	Light olive-brown, SILT
BH-1,S-3	7.5	9.0	30.3							15.7	84.3	ML	Light olive-brown, SILT with sand
BH-1,S-4	10.0	11.5	23.5							3.0	97.0	ML	Light olive-brown, SILT
BH-1,S-5	12.5	14.0	25.8			55	28	27		6.0	94.0	CH	Light olive-brown, fat CLAY
BH-1,S-6a	15.0	15.7	27.1						0.1	18.6	81.3	ML	Light olive-brown, SILT with sand
BH-1,S-6b	15.7	16.5	34.8			59	31	28				MH	Grayish-brown, elastic SILT
BH-1,S-7a	17.5	18.5	28.4									CL	Grayish-brown, CLAY with sand
BH-1,S-7b	18.5	19.0	21.1									SM	Olive-brown, silty SAND
BH-1,S-8	20.0	21.5	31.1			39	30	9				ML	Dark gray, SILT
BH-1,S-9	25.0	26.5	19.6							50.5	49.5	SM	Dark gray, silty SAND
BH-1,S-10	30.0	31.4	20.1									SM	Dark gray, silty SAND
BH-2,S-1	3.0	4.5	25.7						1.7	19.5	78.8	CL	Light olive-brown, CLAY with sand
BH-2,S-2	5.0	6.5	24.2							15.0	85.0	ML	Light olive-brown, SILT with sand
BH-2,S-3	7.5	9.0	38.9			61	29	32		11.3	88.7	CH	Grayish-brown, fat CLAY
BH-3,S-1	2.5	4.0	20.4						2.6	29.7	67.7	ML	Light olive-brown, sandy SILT
BH-3,S-2	5.0	6.5	23.7			38	26	12	0.3	17.1	82.6	ML	Light olive-brown, SILT with sand
BH-3,S-3	7.5	9.0	16.6									ML	Light olive-brown, SILT with sand
BH-3,S-4	10.0	11.3	14.0						11.7	40.0	48.3	SM	Light olive-brown, silty SAND
HH-1,S-1	1.3	1.8	16.2									SM	Grayish-brown, silty SAND
HH-1,S-2	1.8	2.3	16.3						3.7	34.2	62.1	ML	Light olive-brown, sandy SILT

Notes: 1. This table summarizes information presented elsewhere in the report and should be used in conjunction with the report test, other graphs and tables, and the exploration logs.
2. The soil classifications in this table are based on ASTM D2487 and D2488 as applicable.

GeoSciences Inc.

Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

SUMMARY OF
MATERIAL PROPERTIES

PROJECT NO.: 2022-002-21 FIGURE: B-1

INDEX MATSUM 2 2022-002.GPJ 1/6/23
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EXPLORATION DESIGNATION	TOP DEPTH (feet)	BOTTOM DEPTH (feet)	MOISTURE CONTENT (%)	ORGANIC CONTENT (%)	SPECIFIC GRAVITY	ATTERBERG LIMITS (%)			% GRAVEL	% SAND	% FINES	ASTM SOIL CLASSIFICATION	SAMPLE DESCRIPTION
						LL	PL	PI					
HH-1,S-3	2.6	3.1	19.6									SM	Olive-brown, silty SAND

Notes: 1. This table summarizes information presented elsewhere in the report and should be used in conjunction with the report test, other graphs and tables, and the exploration logs.
2. The soil classifications in this table are based on ASTM D2487 and D2488 as applicable.

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Eastrail to NE Spring Blvd. Trail Link
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SUMMARY OF
MATERIAL PROPERTIES

PAGE: 2 of 2

PROJECT NO.: 2022-002-21 FIGURE: B-2

INDEX MATSUM 2 2022-002.GPJ 1/6/23

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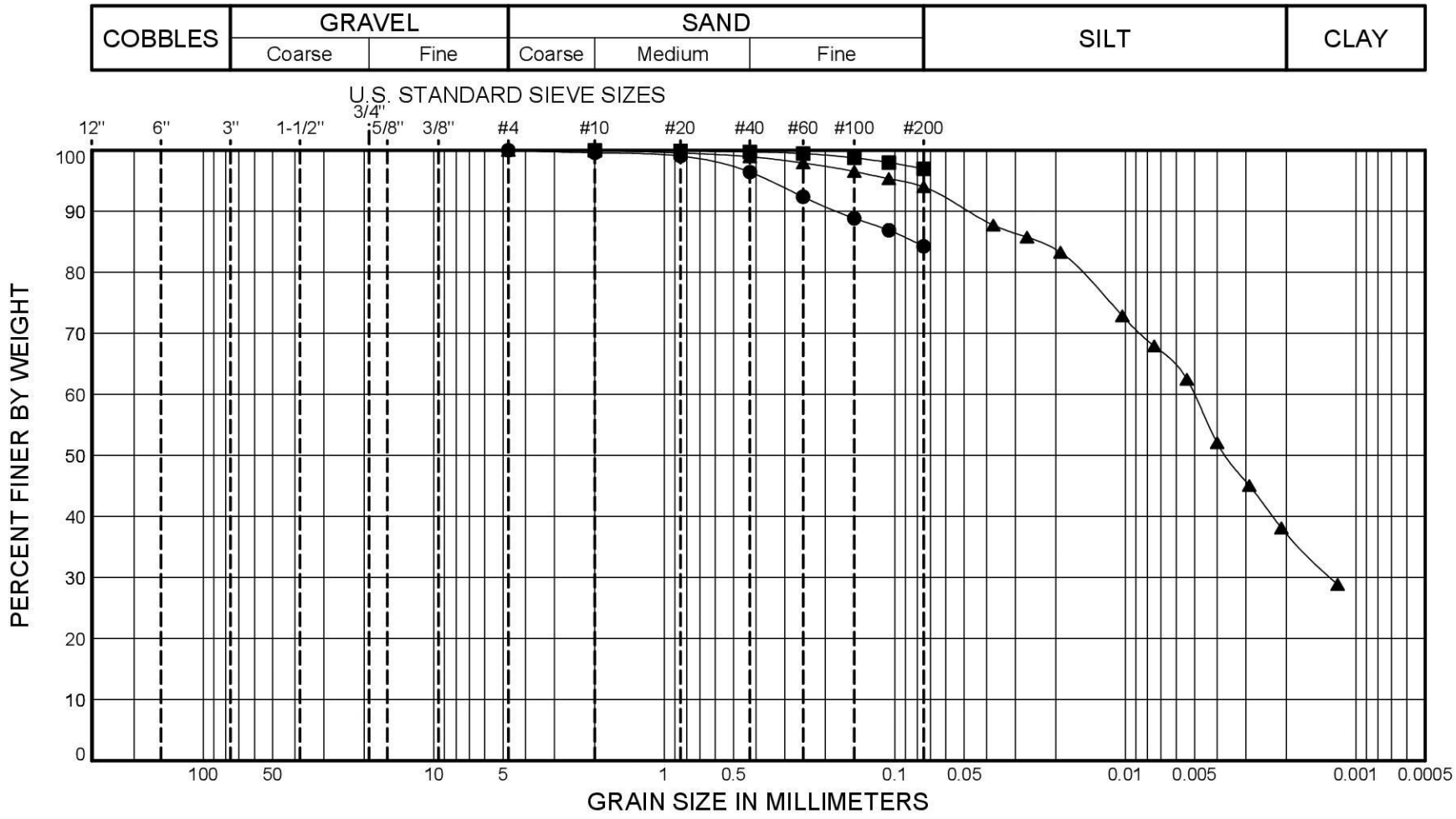

SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION	% MC	LL	PL	PI	% Cobble	% Gravel	% Sand	% Fines
●	BH-1	S-3	7.5 - 9.0	(ML) Light olive-brown, SILT with sand	30					0.0	15.7	84.3
■	BH-1	S-4	10.0 - 11.5	(ML) Light olive-brown, SILT	24					0.0	3.0	97.0
▲	BH-1	S-5	12.5 - 14.0	(CH) Light olive-brown, fat CLAY	26	55	28	27		0.0	6.0	94.0

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Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHOD ASTM D422

PROJECT NO.: 2022-002-21 FIGURE: B-3

HWAGRSZ2 2022-002.GPJ 1/6/23

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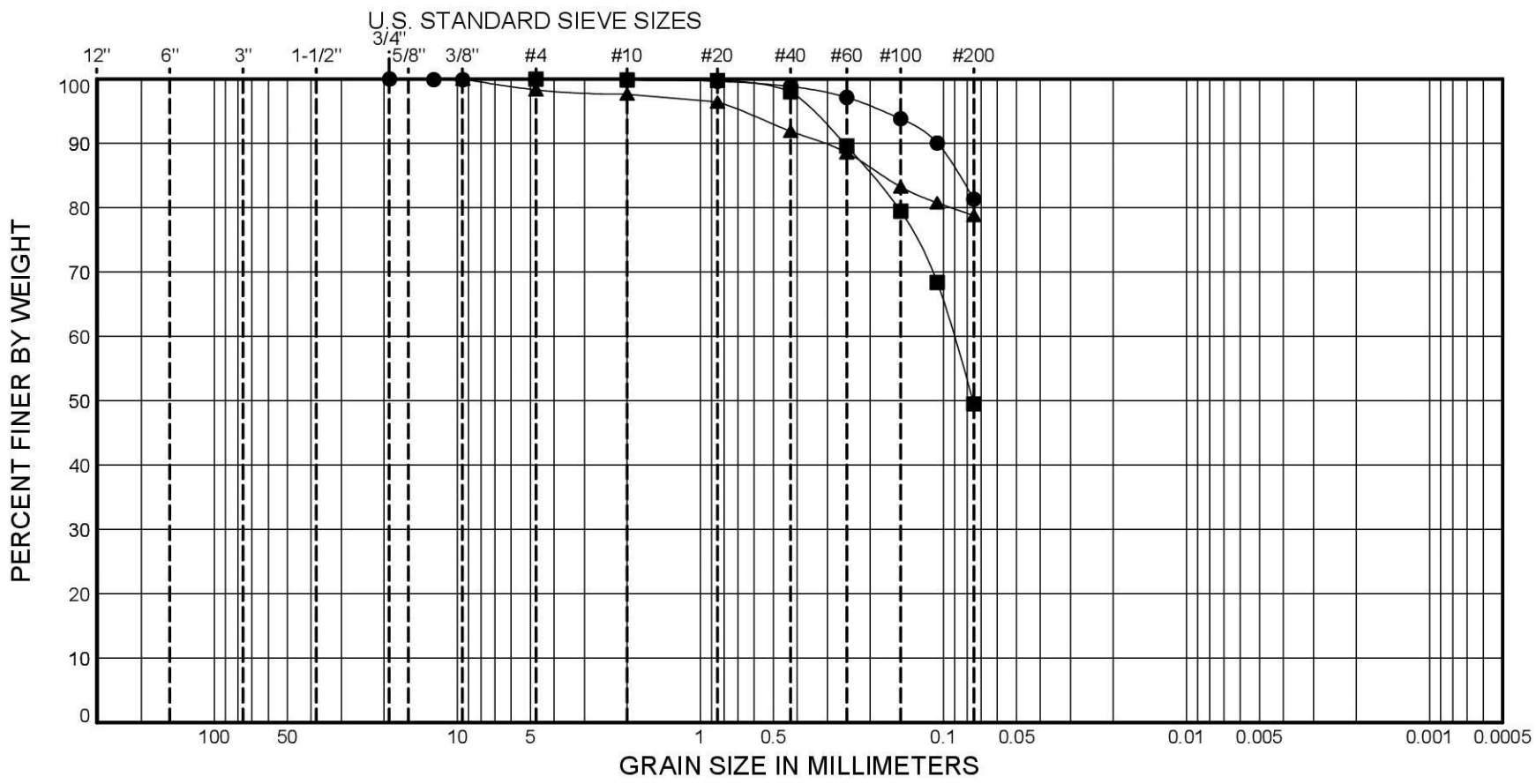

SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION	% MC	LL	PL	PI	% Cobble	% Gravel	% Sand	% Fines
●	BH-1	S-6a	15.0 - 15.7	(ML) Light olive-brown, SILT with sand	27					0.1	18.6	81.3
■	BH-1	S-9	25.0 - 26.5	(SM) Dark gray, silty SAND	20					0.0	50.5	49.5
▲	BH-2	S-1	3.0 - 4.5	(CL) Light olive-brown, CLAY with sand	26					1.7	19.5	78.8

GeoSciences Inc.

Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHOD ASTM D422

PROJECT NO.: 2022-002-21 FIGURE: B-4

HWAGRSZ2 2022-002.GPJ 1/6/23

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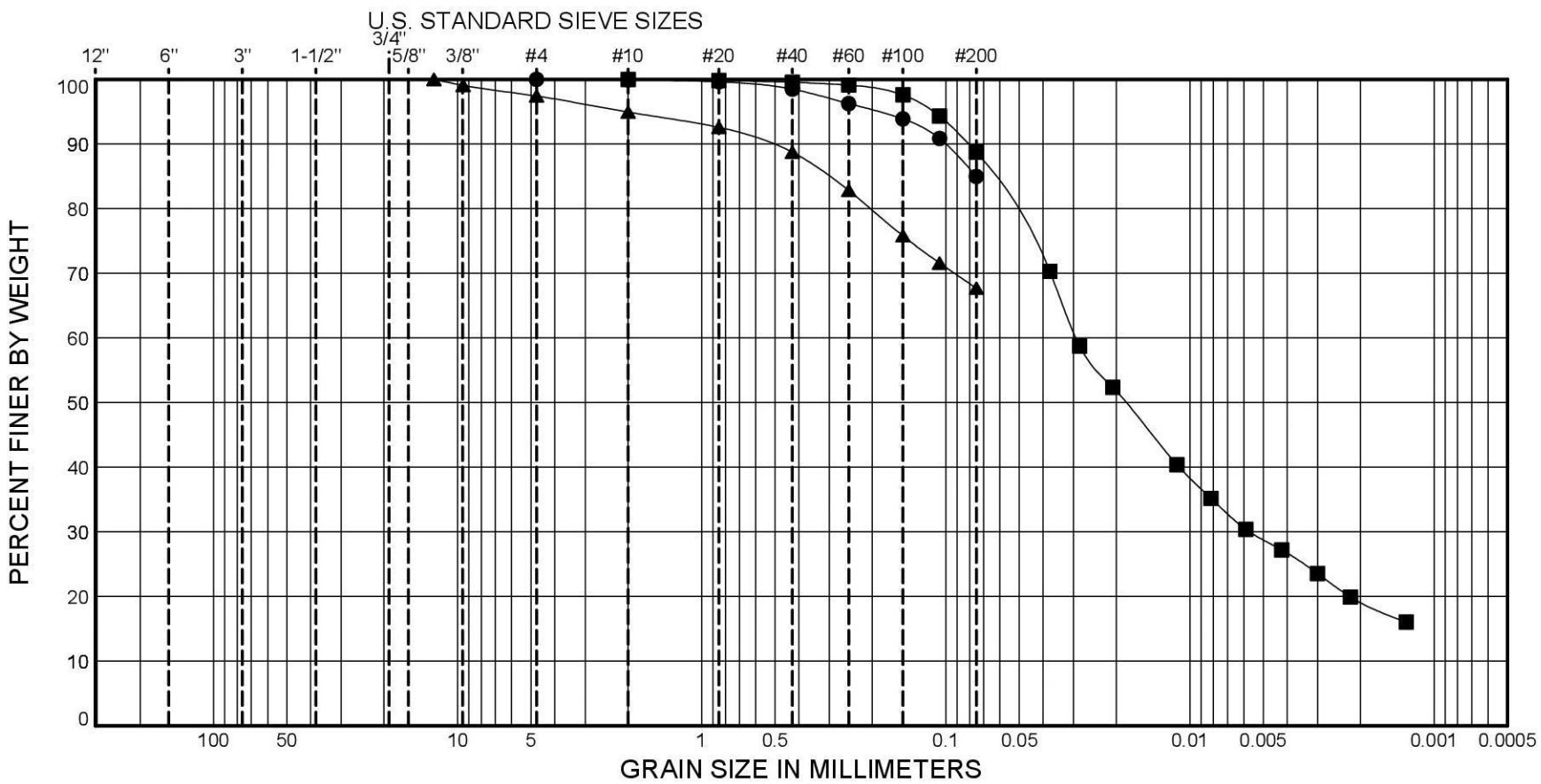

SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION	% MC	LL	PL	PI	% Cobble	% Gravel	% Sand	% Fines
●	BH-2	S-2	5.0 - 6.5	(ML) Light olive-brown, SILT with sand	24					0.0	15.0	85.0
■	BH-2	S-3	7.5 - 9.0	(CH) Grayish-brown, fat CLAY	39	61	29	32		0.0	11.3	88.7
▲	BH-3	S-1	2.5 - 4.0	(ML) Light olive-brown, sandy SILT	20					2.6	29.7	67.7

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Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHOD ASTM D422

PROJECT NO.: 2022-002-21 FIGURE: B-5

HWAGRSZ2 2022-002.GPJ 1/6/23

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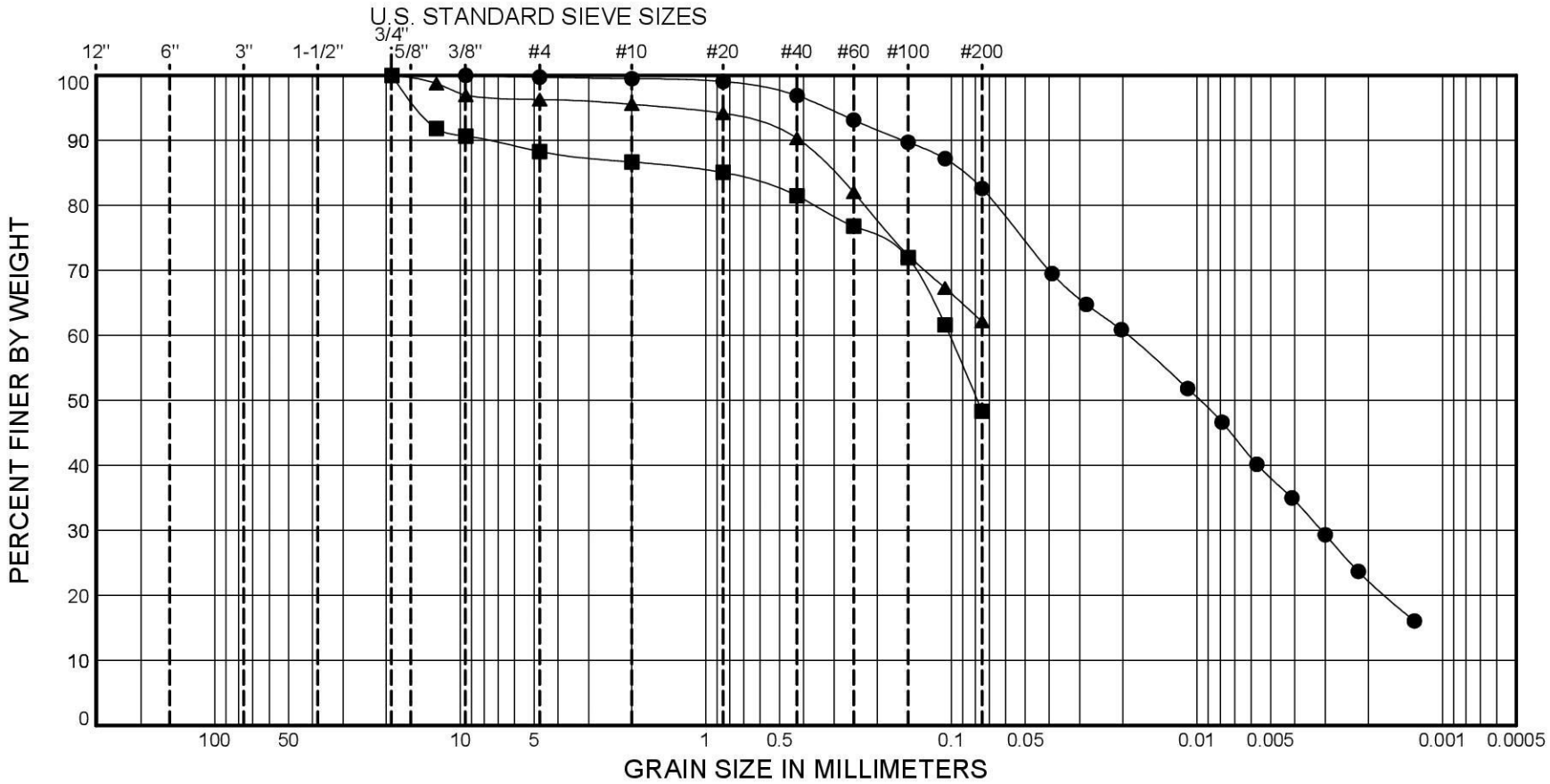
COBBLES	GRAVEL		SAND			SILT	CLAY
	Coarse	Fine	Coarse	Medium	Fine		



SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION	% MC	LL	PL	PI	% Cobble	% Gravel	% Sand	% Fines
●	BH-3	S-2	5.0 - 6.5	(ML) Light olive-brown, SILT with sand	24	38	26	12		0.3	17.1	82.6
■	BH-3	S-4	10.0 - 11.3	(SM) Light olive-brown, silty SAND	14					11.7	40.0	48.3
▲	HH-1	S-2	1.8 - 2.3	(ML) Light olive-brown, sandy SILT	16					3.7	34.2	62.1

HWA GeoSciences Inc.

Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

PARTICLE-SIZE ANALYSIS
OF SOILS
METHOD ASTM D422

PROJECT NO.: 2022-002-21 FIGURE: B-6

HWAGRSZ2 2022-002.GPJ 1/6/23

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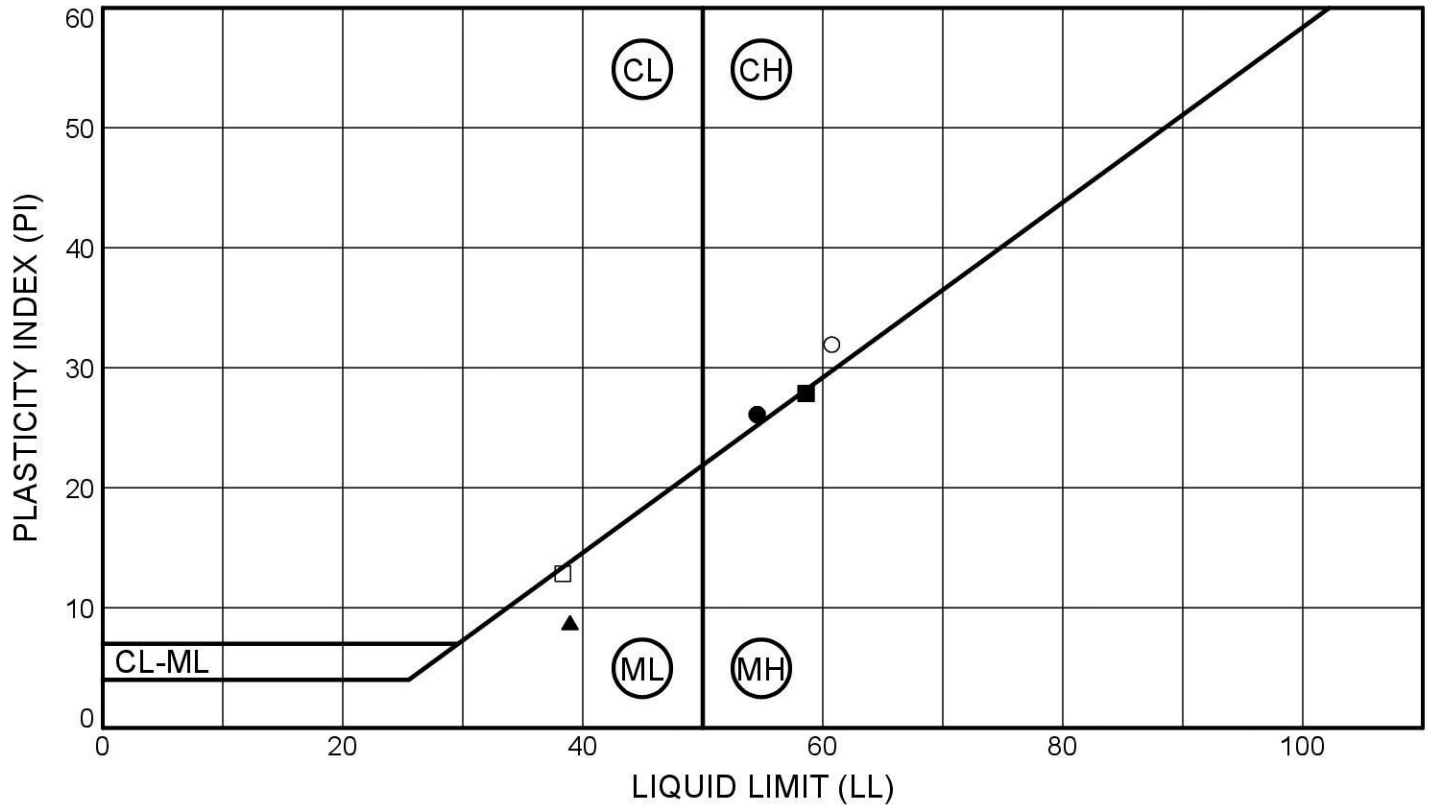

SYMBOL	SAMPLE		DEPTH (ft)	CLASSIFICATION	% MC	LL	PL	PI	% Fines
●	BH-1	S-5	12.5 - 14.0	(CH) Light olive-brown, fat CLAY	26	55	28	27	94.0
■	BH-1	S-6b	15.7 - 16.5	(MH) Grayish-brown, elastic SILT	35	59	31	28	
▲	BH-1	S-8	20.0 - 21.5	(ML) Dark gray, SILT	31	39	30	9	
○	BH-2	S-3	7.5 - 9.0	(CH) Grayish-brown, fat CLAY	39	61	29	32	88.7
□	BH-3	S-2	5.0 - 6.5	(ML) Light olive-brown, SILT with sand	24	38	26	12	82.6

GeoSciences Inc.

Eastrail to NE Spring Blvd. Trail Link
Bellevue, Washington

LIQUID LIMIT, PLASTIC LIMIT AND PLASTICITY INDEX OF SOILS
METHOD ASTM D4318

PROJECT NO.: 2022-002-21 FIGURE: B-7

HWAATTB 2022-002.GPJ 1/6/23

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APPENDIX C

EXPLORATIONS BY OTHERS

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SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
	MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50% RETAINED ON NO. 200 SIEVE	SAND AND SANDY SOILS	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS
				SP	POORLY-GRADED SANDS, GRAVELLY SAND
	MORE THAN 50% OF COARSE FRACTION PASSING NO. 4 SIEVE	SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% PASSING NO. 200 SIEVE	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

ADDITIONAL MATERIAL SYMBOLS

SYMBOLS GRAPH	SYMBOLS LETTER	TYPICAL DESCRIPTIONS
	AC	Asphalt Concrete
	CC	Cement Concrete
	CR	Crushed Rock/ Quarry Spalls
	TS	Topsoil/ Forest Duff/Sod

Groundwater Contact

Measured groundwater level in exploration, well, or piezometer

Measured free product in well or piezometer

Graphic Log Contact

Distinct contact between soil strata or geologic units

Approximate location of soil strata change within a geologic soil unit

Material Description Contact

Distinct contact between soil strata or geologic units

Approximate location of soil strata change within a geologic soil unit

Sampler Symbol Descriptions

2.4-inch I.D. split barrel

Standard Penetration Test (SPT)

Shelby tube

Piston

Direct-Push

Bulk or grab

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

Laboratory / Field Tests

%F	Percent fines
AL	Atterberg limits
CA	Chemical analysis
CP	Laboratory compaction test
CS	Consolidation test
DS	Direct shear
HA	Hydrometer analysis
MC	Moisture content
MD	Moisture content and dry density
OC	Organic content
PM	Permeability or hydraulic conductivity
PI	Plasticity index
PP	Pocket penetrometer
PPM	Parts per million
SA	Sieve analysis
TX	Triaxial compression
UC	Unconfined compression
VS	Vane shear

Sheen Classification

NS	No Visible Sheen
SS	Slight Sheen
MS	Moderate Sheen
HS	Heavy Sheen
NT	Not Tested

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS

GeoEngineers

FIGURE A-1

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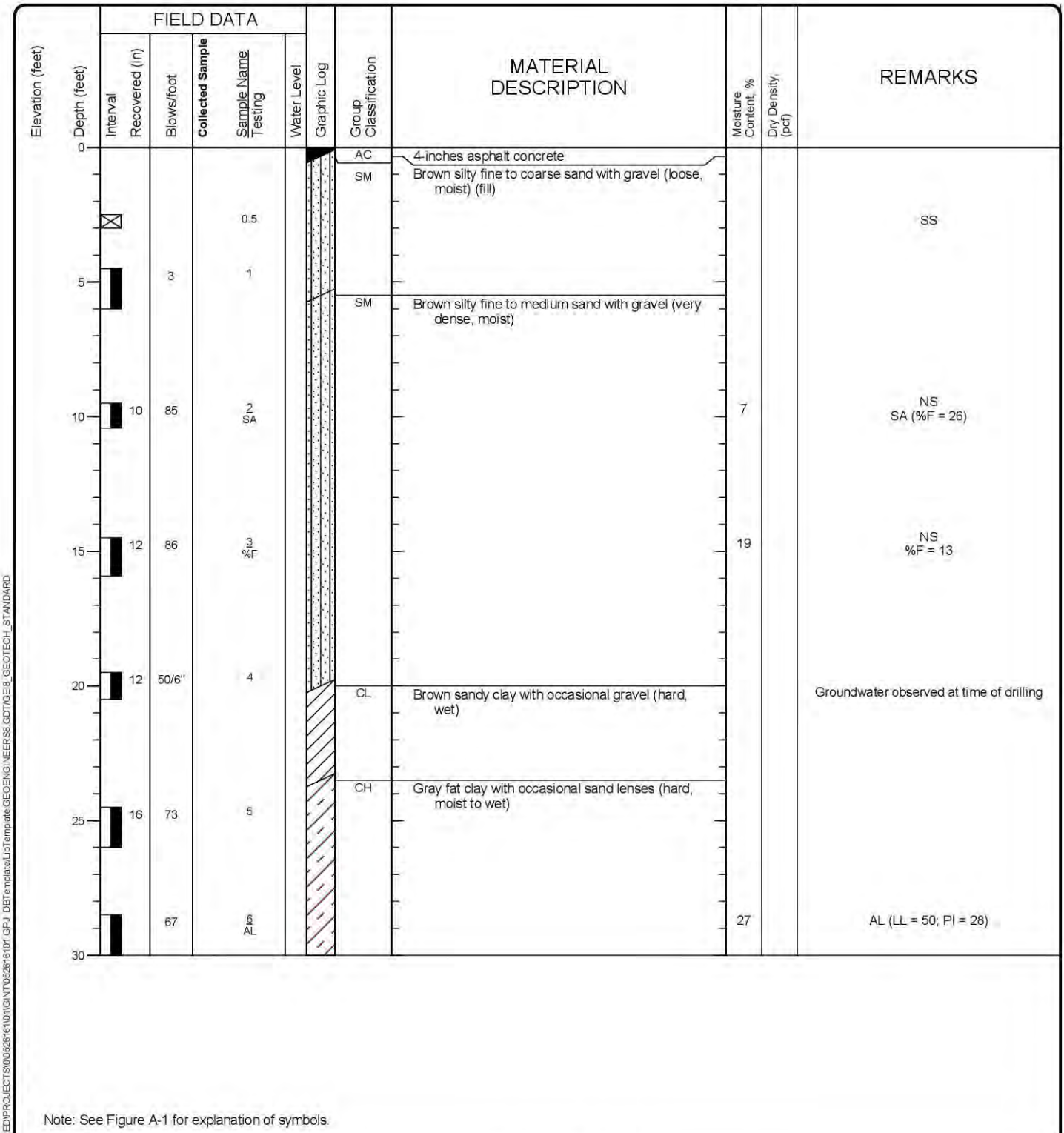
Drilled: Start 9/14/2013 End 9/14/2013	Total Depth (ft): 30	Logged By: TC Checked By: CEW	Driller: Boretec, Inc.	Drilling Method: Hollow-Stem Auger	
Surface Elevation (ft) Vertical Datum: Undetermined		Hammer Data: Rope & Cathead 140 (lbs) / 30 (in) Drop		Drilling Equipment: Track/Trailer	
Easting (X) Northing (Y)		System Datum		Groundwater Date Measured	Depth to Water (ft) / Elevation (ft)
Notes:					



Note: See Figure A-1 for explanation of symbols.

Log of Boring B-15-2

GeoEngineers

Project: Proposed NE 15th/16th Street Corridor
Project Location: Bellevue, Washington
Project Number: 0526-161-01

Figure A-3
Sheet 1 of 1

Redmond Date: 12/16/13 Path: \\RED\PROJECTS\0\0526161\01\GINT\052616101.GPJ DBTemplate/LibTemplate:GEOENGINEERS8.GDT/GEB_GEOTECH_STANDARD

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Drilled: Start 9/14/2013 End 9/14/2013	Total Depth (ft): 30	Logged By: TC Checked By: CEW	Driller: Boretec, Inc.	Drilling Method: Hollow-Stem Auger	
Surface Elevation (ft) Vertical Datum: Undetermined	Hammer Data: Rope & Cathead 140 (lbs) / 30 (in) Drop	Drilling Equipment: Track/Trailer			
Easting (X) Northing (Y)	System Datum	Groundwater: Date Measured / Depth to Water (ft) / Elevation (ft)			
Notes:					

Elevation (feet) / Depth (feet)	FIELD DATA: Interval Recovered (in)	Blows/foot	Collected Sample: Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, (pcf)	REMARKS
0						AC	4-inches asphalt concrete			
			1 SA			GM	Brown silty fine to coarse gravel with sand (loose to medium dense, moist) (fill)	4		NS SA (%F = 25)
						SM	Brown/gray silty fine to coarse sand with gravel and organic matter (medium dense, moist)			
5	16	14	2							NS
						ML	Brown sandy silt with occasional gravel (hard, moist)			
10	18	36	3 %F					22		%F = 65
						ML	Gray sandy silt (hard, moist)			
15		77	4							
20	6	50/6"	5 %F			SM	Gray silty fine to medium sand with gravel (hard, moist)	10		%F = 23
						GP-GM	Gray fine to coarse gravel with silt and sand (hard, wet)			
25	10	50	6 %F					11		Groundwater observed at time of drilling %F = 11 Water encountered at approximately 25.5 feet during drilling
						SP-SM	Gray fine to coarse sand with silt and gravel (very dense, wet)			
30	17	90	7							

Note: See Figure A-1 for explanation of symbols.

Log of Boring B-15-4

GeoEngineers

Project: Proposed NE 15th/16th Street Corridor
Project Location: Bellevue, Washington
Project Number: 0526-161-01

Figure A-5
Sheet 1 of 1

Redmond Date: 12/16/13 Path: \\RED\PROJECTS\0\0526161\01\GINT\052616101.GPJ DBTemplate/LibTemplate\GEOENGINEERS8.GDT/GEI8_GEOTECH_STANDARD

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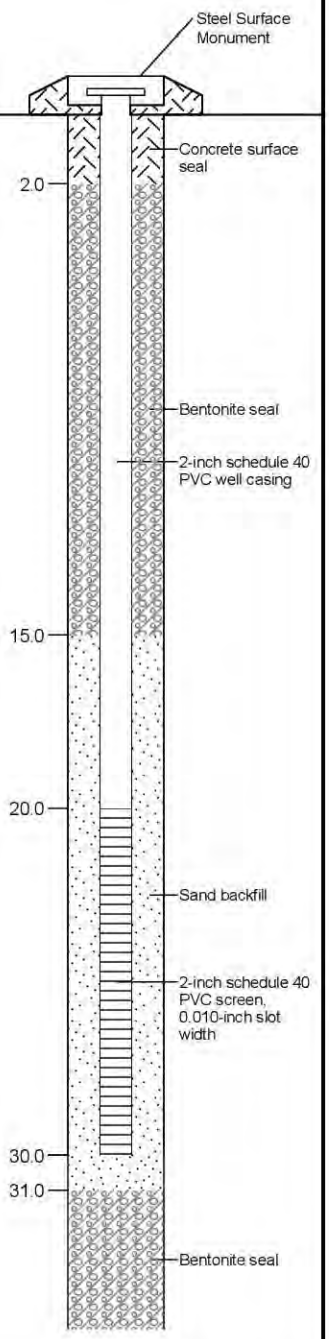
Drilled: Start 9/14/2013 End 9/14/2013	Total Depth (ft): 40	Logged By: TC Checked By: CEW	Driller: Boretec, Inc.	Drilling Method: Hollow-Stem Auger	
Hammer Data: Rope & Cathead 140 (lbs) / 30 (in) Drop		Drilling Equipment: Track/Trailer	A 2 (in) well was installed on 9/14/2003 to a depth of 30 (ft).		
Surface Elevation (ft) Vertical Datum: Undetermined		Top of Casing Elevation (ft)	Groundwater: Date Measured 12/16/2013	Depth to Water (ft) 14.3	Elevation (ft)
Easting (X) Northing (Y)		Horizontal Datum			
Notes:					

Elevation (feet)	Depth (feet)	Interval	Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, (pcf)
	0								AC	9½ inches asphalt concrete		
		☒				1 SA			SM	Gray silty fine to coarse sand with gravel (moist) (fill) No sheen SA (%F = 35)	8	
	5		15	35		2			SM	Brown silty fine to medium sand (dense, moist) No sheen		
	10		7	50/5"		3 %F			SM	Gray silty fine to coarse sand with gravel (very dense, moist) (till-like) No sheen %F = 20	6	
	15		2	50/3"		4	▼		GM	Gray silty fine to coarse gravel with sand (very dense, moist)		
	20		7	50/3"		5 SA				SA (%F = 14)	6	
	25		8	97		6 %F			GP-GM	Brownish-gray fine to coarse gravel with silt and sand (very dense, wet) %F = 8 Groundwater observed at time of drilling	13	
	30		16	85		7 SA			SP	Gray fine to coarse sand with gravel (very dense, wet) SA (%F = 3)	9	
	35		10	50/4"		8						

WELL LOG



Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well B-15-5

GeoEngineers

Project: Proposed NE 15th/16th Street Corridor
Project Location: Bellevue, Washington
Project Number: 0526-161-01

Figure A-6
Sheet 1 of 2

Redmond Date: 12/17/13 Path: \\RED\PROJECTS\0\0526161\01\GINT\0526161101.GPJ DBTemplate/LibTemplate:GEOENGINEERS8.GDT/GEI8_GEOTECH_WELL

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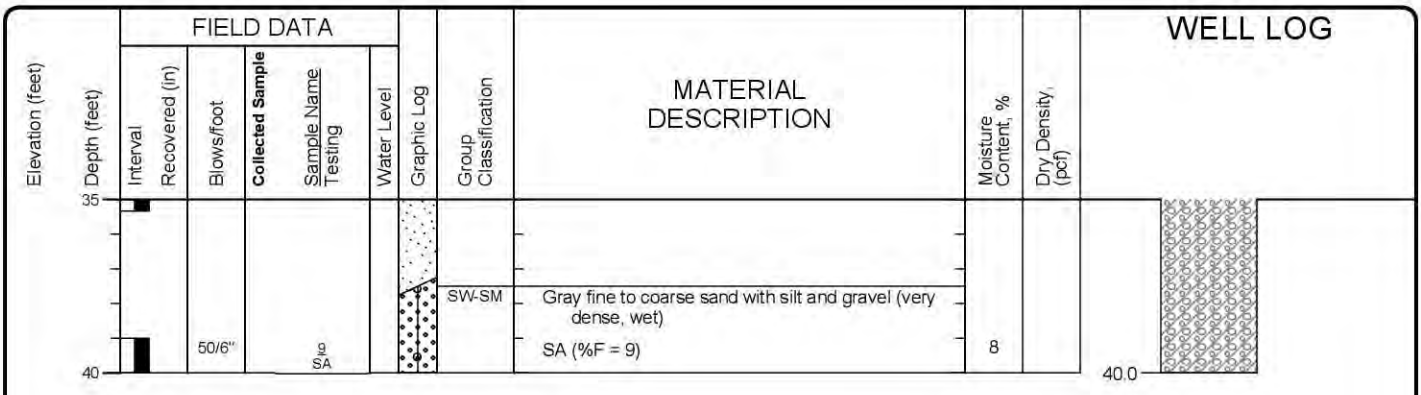

Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well B-15-5 (continued)

GeoEngineers

Project:	Proposed NE 15th/16th Street Corridor
Project Location:	Bellevue, Washington
Project Number:	0526-161-01

Figure A-6
Sheet 2 of 2

Redmond Date: 12/17/13 Path: \\RED\PROJECTS\0\0526161\01\GINT\0526161101.GPJ DBTemplate/LibTemplate:GEOENGINEERS8.GDT/GEB_GEOTECH_WELL

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Drilled: Start 9/15/2013 End 9/15/2013	Total Depth (ft): 52	Logged By: TC Checked By: CEW	Driller: Boretec, Inc.	Drilling Method: Hollow-Stem Auger	
Surface Elevation (ft) Vertical Datum: Undetermined		Hammer Data: Rope & Cathead 140 (lbs) / 30 (in) Drop		Drilling Equipment: Track/Trailer	
Easting (X) Northing (Y):		System Datum:		Groundwater: Date Measured / Depth to Water (ft) / Elevation (ft)	
Notes:					

Elevation (feet)	Depth (feet)	FIELD DATA: Interval Recovered (in)	Blows/foot	Collected Sample: Sample Name Testing	Water Level	Graphic Log	Group Classification	MATERIAL DESCRIPTION	Moisture Content, %	Dry Density, (pcf)	REMARKS
	0						AC	8-inches asphalt concrete			
							SM	Orangish-brown silty sand with gravel (medium dense, moist) (fill)			
							SM	Brownish-gray silty fine to coarse sand with gravel (very dense, moist)			
	5	2	69	1							NS
							SM	Gray silty fine to coarse sand with gravel (very dense, moist) (till-like)			
	10	6	50/6"	2							
							GM	Gray silty fine to coarse gravel with sand (very dense, wet)			
	15	6	50/6"	3 %F					11		%F = 24
							SM	Gray silty fine to coarse sand with gravel (very dense, moist)			
	20	5	50/5"	4							
							GP-GM	Gray fine to coarse gravel with silt and sand (very dense, wet)			Groundwater observed at time of drilling
	25	2	50/2"	5 SA					17		SA (%F = 11)
							SM	Gray silty fine to coarse sand with gravel and occasional cobbles (very dense, wet)			
	30	11	50/5"	6 SA					10		SA (%F = 14) Mud added below 30 foot sample
											3-inch diameter cobbles observed in spoils
	35										

Note: See Figure A-1 for explanation of symbols.

Log of Boring B-15-6

GeoEngineers

Project: Proposed NE 15th/16th Street Corridor
Project Location: Bellevue, Washington
Project Number: 0526-161-01

Figure A-7
Sheet 1 of 2

Redmond Date: 12/16/13 Path: \\RED\PROJECTS\0\0526161\01\GINT\052616101.GPJ DBTemplate\LibTemplate\GEOENGINEERS8.GDT\GEB_GEOTECH_STANDARD

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RECORD OF BOREHOLE E340-B-03

SHEET 1 of 1

PROJECT: East Link Light Rail
PROJECT NUMBER: 11393533
LOCATION: BNSF Right of way

DRILLING METHOD: Hollow Stem Auger
DRILLING DATE: 12/4/2012
DRILL RIG: B-60 Mobile Drill Truck Mounted

DATUM:
AZIMUTH: N/A
COORDINATES: N: 558,131.88 E: 1,635,777.15

ELEVATION: 150
INCLINATION: -90
WELL TAG #

DEPTH ()	BORING METHOD	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH ()	NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	PENETRATION RESISTANCE BLOWS / ft ◆ (10 20 30 40)	NOTES WATER LEVELS
0	Hollow Stem Auger	0.00 - 1.00 Compact, gray to brown, (GP), moist to wet, fine to coarse, [FILL, Hf]	GP		149.00	1	SS	2-6-8	14	1.20 / 1.50		
		1.00 - 9.00 Stiff to hard, mottled light gray, brown and orange, (ML), moist, low plasticity, SILT, some fine sand, trace to some fine gravel, [LACUSTRINE DEPOSITS, Qpnl]			1.00							Ground water was not observed at the time of drilling.
						2	SS	6-3-8	11	0.30 / 1.50		
		-- Rough drilling at approximately 4.5 ft										
5			ML			3	SS	3-10-17	27	0.60 / 1.50		
						4	SS	4-11-32	43	1.30 / 1.50		
					141.00							
		9.00 - 16.00 Very dense, light brown, (GM), moist, silty fine to coarse GRAVEL, some fine to coarse sand, some cobbles, [FLUVIAL DEPOSITS, Qpnf]			9.00							
10						5	SS	50/5	>50	0.40 / 0.40		>>
			GM			6	SS	28-31-46	>50	1.50 / 1.50		>>
15						7	SS	42-50/4	>50	0.60 / 0.90		>>
					134.00							
		Boring completed at 16.00 ft.			16.00							
20												

PL MC LL (20 40 60 80)

DRAFT

1 in to 3 ft
DRILLING CONTRACTOR: Holt
DRILLER: Todd Knipschield

LOGGED: Jeff Schwartz
CHECKED:
DATE:

Golder Associates

ST LOG 11393533 ST PROJECT.GPJ SEATTLELABBASE.GDT 4/2/13

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RECORD OF BOREHOLE E340-B-04

SHEET 1 of 1

PROJECT: East Link Light Rail
PROJECT NUMBER: 11393533
LOCATION: BNSF Right of way

DRILLING METHOD: Hollow Stem Auger
DRILLING DATE: 12/3/12
DRILL RIG: B-60 Mobile Drill Truck Mounted

DATUM:
AZIMUTH: N/A
COORDINATES: N: 558,310.26 E: 1,635,782.00

ELEVATION: 150
INCLINATION: -90
WELL TAG #

DEPTH ()	BORING METHOD	DESCRIPTION	USCS	GRAPHIC LOG	ELEV. / DEPTH ()	NUMBER	TYPE	BLOWS per 6 in (140 lb hammer 30 inch drop)	N	REC / ATT	PENETRATION RESISTANCE BLOWS / ft ◆ (10 20 30 40; PL MC LL 20 40 60 80)	NOTES WATER LEVELS
0	Hollow Stem Auger	0.00 - 1.00 Compact, brown, (GP), moist to wet, fine to coarse GRAVEL, trace silt and sand, [FILL, Hf]	GP		149.00	S-1	SS	3-4-8	12	1.30 / 1.50	◆	
		1.00 - 2.50 Stiff, mottled gray and brown, (ML), moist, low plasticity SILT, some fine to coarse sand, non-stratified, [LACUSTRINE DEPOSITS, Qvrl]	ML		1.00 147.50							
		2.50 - 5.00 Very stiff, mottled light grayish brown and orange brown (? not in Munsell chart ?), (ML), moist, low plasticity, SILT, little fine to coarse sand, trace fine gravel, non-stratified, [LACUSTRINE DEPOSITS, Qvrl]	ML		2.50 145.00	S-2	SS	6-8-16	24	1.20 / 1.50	◆	
5		5.00 - 7.50 Very stiff/Compact, light grayish brown, and orange brown (?), (ML/SM), moist, low plasticity SILT, little fine to medium sand, trace fine gravel and silty fine SAND, [LACUSTRINE DEPOSITS, Qvrl]	ML/SM		5.00 142.50	S-3	SS	5-5-16	21	1.50 / 1.50	◆	
		7.50 - 8.00 Very stiff, light grayish brown and orange brown (?), (ML), moist, low plasticity SILT, some fine to medium sand, trace fine to coarse gravel, rhythmic layering (? varved ?), [LACUSTRINE DEPOSITS, Qvrl]	ML		7.50 142.00	S-4	SS	3-12-14	26	1.50 / 1.40	◆	Harder Drilling noted at 8.5 feet below ground surface
		8.00 - 9.50 Very stiff, dark gray, (ML), moist, low plasticity SILT, trave fine sand, partings, [LACUSTRINE DEPOSITS, Qvrl]	ML		8.00 140.50							
10		9.50 - 13.50 Very dense, dark gray, (GM), moist, silty fine to coarse GRAVEL, some fine to medium sand, heterogenous, [PRE-FRASER NONGLACIAL DEPOSITS, Qpfn]	GM		9.50	S-5	SS	19-31-36	>50	1.20 / 1.50	>>◆	
						S-6	SS	28-38-50/5	>50	1.50 / 1.50	>>◆	
		13.50 - 15.00 Very dense, dark gray, (SP-SM), moist to wet, fine to medium SAND, little silt, non-stratified, homogeneous, [PRE-FRASER NONGLACIAL DEPOSITS, Qpfn]	SP-SM		136.50 13.50 135.00							
15		15.00 - 16.50 Very dense, dark gray, (GP-GM), moist to wet, fine to coarse GRAVEL, some fine to coarse sand, some silt, non-stratified, [PRE-FRASER NONGLACIAL DEPOSITS, Qpfn]	GP-GM		15.00 133.50	S-7	SS	34-50/5	>50	0.90 / 0.90	>>◆	
		Boring completed at 16.50 ft.			16.50							Hole backfilled with 3/4 inch bentonite chips, capped with 1.0 foot of railroad balast.
20												

DRAFT

1 in to 3 ft
DRILLING CONTRACTOR: Holt
DRILLER: Todd Knipschield

LOGGED: Jeff Schwartz (ICE)
CHECKED:
DATE:

Golder Associates

ST LOG 11393533 ST PROJECT.GPJ SEATTLELABBASE.GDT 4/2/13

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TEST PIT NO. 1

Logged By LG
Date 2/25/83
Elev. 185±

Depth (ft.)	USCS	Soil Description	W (%)	
0	SM	Red brown silty SAND with gravel, medium dense, slightly moist (FILL)	20	
5	SM	Red tan silty SAND, medium dense, slightly moist	18	
10	SM	Gray silty SAND with gravel, dense, slightly moist (TILL)	11	
15		Test Pit terminated at 10.5'. Minor groundwater seepage encountered at 8'.		

TEST PIT NO. 2

Logged By LG
Date 2/25/83
Elev. 172±

0	SM	(4" topsoil) Tan silty SAND with gravel and clay, medium dense, moist (FILL)	18	
5	SM	(topsoil layer at 1') Tan gravelly silty SAND, medium dense, slightly moist	17	
10	ML	Gray SILT with clay, hard, slightly moist, with occasional lens of fine sand	26 31	q_u > 4.5 tsf
15		Test Pit terminated at 11'. Minor groundwater seepage encountered at 5'.		

Earth Consultants Inc.
GEOTECHNICAL ENGINEERING & GEOLOGY

TEST PIT LOGS
NORTH BELLEVUE SUBSTATION
BELLEVUE, WASHINGTON

Proj. No. 1957 | Date Mar.'83 | Plate 3

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TEST PIT NO. 7

Logged By LG

Date 2/25/83

Elev. 157±

Depth (ft.)	USCS	Soil Description	W (%)	
0	SM	Red tan clayey silty SAND, medium dense, moist	22	
5	ML	Gray and tan SILT with clay to clayey SILT, hard, moist	27 31	$q_u > 4.5$ tsf
10			23	
15		Test Pit terminated at 13'. Minor groundwater seepage encountered at 2'.		

Logged By LG

Date 2/25/83

TEST PIT NO. 8

Elev. 170±

0	SM	Brown red gravelly silty SAND, medium dense, moist	13	
5	ML	Gray clayey SILT with sand, hard, moist	31	$q_u > 4.5$ tsf
10			27	
15		Test Pit terminated at 11'. Minor groundwater seepage encountered at 5'.		

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TEST PIT LOGS

NORTH BELLEVUE SUBSTATION
BELLEVUE, WASHINGTON

Proj. No. 1957	Date Mar.'83	Plate 6

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TEST PIT NO. 9

Logged By LG
Date 2/25/83
Elev. 177+

Depth (ft.)	USCS	Soil Description	W (%)	
0	SM ML	(2" topsoil) Gray and tan silty SAND to sandy SILT, medium dense to dense, slightly moist	13	
5	ML	Gray clayey SILT, hard, slightly moist	24 27	q_u >4.5 tsf
10		Test Pit terminated at 10'. Minor groundwater seepage encountered at 2.		
15				

TEST PIT NO. 10

Logged By LG
Date 2/25/83
Elev. 176+

Depth (ft.)	USCS	Soil Description	W (%)	
0	SM	(4" topsoil) Tan brown silty SAND with clay and gravel, medium dense, moist (topsoil layer at 3')	12	
5	SM	Gray tan clayey silty SAND with gravel, medium dense, moist	17	
10	ML	Gray clayey SILT, hard, moist	25	
15		Test Pit terminated at 11'. Minor groundwater seepage encountered at 8'.		

Earth Consultants Inc.
GEOTECHNICAL ENGINEERING & GEOLOGY

TEST PIT LOGS
NORTH BELLEVUE SUBSTATION
BELLEVUE, WASHINGTON

Proj. No. 1957 | Date Mar.'83 | Plate 7

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APPENDIX I:
PROPERTY COMMITMENTS

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Eastrail to NE Spring Blvd Trail Link

Parcel No.	Property Name	Acquisition Type	Relocation	< TCE/ROE Commitments (*) > Agreement	Earliest	Latest	Duration	Specific Commitments
2825059038 - 11804 NE 12th St	CPSRTA (Sound Transit)	Partial	No	Perm. Drainage and trail easements, TCE	N/A	12/31/2027	12-months	TCE terminates on earlier of: 1. 12 months after notice of start of construction in easement, 2. completion of construction on easement, or 3. 12/31/27.
								Need to give contractor written notice of easement conditions.
								Cannot park vehicles, place equipment, or store materials without written approval (propertymanagement@soundtransit.org). In no event shall storage be within 10 feet of tracks.
								Coordinate proposed work schedule with propertymanagement@soundtransit.org or 206-205-8177.
								Prior to any invasive ground construction, shall call locator service and ST Facilities (206-553-3789 or linkfacilitiesST@soundtransit.org) for utility locates.
								Remove debris and trash. Clean up and remediate any damage to property.
								Cannot engage in loud or objectionable behavior. Need to comply with ST rules and regulations.
								Cannot interfere with ST or KC Metro access to property.
								Both city and contractor shall apply for a Link Track Access Permit prior to construction. LinkTrackAccess@soundtransit.org
								At least three days before construction, notify propertymanagement@soundtransit.org to coordinate work schedule and submit a copy of the Link Track Access Permit.
								Restore easement area to as good or better condition than prior to construction.
								Plans to be submitted to propertymanagement@soundtransit.org prior to work. Within 90 days of completion, as-builts with redlines shall be submitted.

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