INVITATION TO BID

First Street Streetscape Project

CITY OF THE DALLES
313 Court Street
The Dalles, OR 97058

Project No.:	***2025-014***
Project:	***First Street Streetscape Project***
Contract Type:	Public Works (*Streetscape Construction*)
Prevailing Wage Rates:	Applicable
Prequalification Due By:	4:00 p.m. PPT on ***November 6, 2025***
Bids Due By:	***2:00 p.m. PPT on November 13, 2025***
Project Manager:	Michael H. Bosse, PE City Engineer mbosse@ci.the-dalles.or.us (541) 506-2003

October 14, 2025

INVITATION TO BID

FIRST STREET STREETSCAPE PROJECT
PROJECT NO. 2025-014

The City of The Dalles (**City**) is seeking competitive bids, as authorized by the City's Local Contract Review Board (**LCRB**) Rule V(D), from qualified and licensed contractors to perform public improvement services to construct a streetscape on East 1st Street in The Dalles, Oregon. Specifically, the City is soliciting a contractor to:

1. furnish all materials, labor, and equipment necessary to construct concrete curb and gutter, sidewalks and curb ramps, retaining walls, underground utilities, and asphalt surfacing along East 1st Street between Union Street and Laughlin Street in The Dalles, Oregon; and

2. any related or incidental services arising from the performance of those services as described in **Section II** consistent with **Section III**.

I. General Submission Requirements

A. Invitation to Bid

1. This solicitation is for the procurement of a public improvement contract or contracts by invitation to bid (**Bids**) as set forth in ORS 279C.365 and OAR 137-049-0200 (OAR Chapter 137, Division 49 is the **Model Rule**).

   a. Consistent with Model Rule 0200(1)(a)(J), a Contract awarded under this solicitation is a public work subject to ORS 279C.800 to 279C.870 and is subject to prevailing wage rates laws; accordingly, no Bid will be received or considered by the City unless the Bid contains a statement by the bidder as part of the Bid that *Contractor agrees to be bound by and will comply with the provisions of ORS 279C.838 and ORS 279C.840, or 40 U.S.C. 3141 to 3148 (Davis-Bacon Act), as applicable*.

   b. Consistent with Model Rule 0200(1)(a)(K), the City shall not consider any Bid submitted by a bidder who does not have a current, valid certificate of registration issued by the ***Construction Contractors Board*** at the time the Bid is made, or by a bidder who is not licensed by the ***State Landscape Contractors Board*** (if applicable).

   c. If applicable, consistent with Model Rule 0200(1)(a)(L), the City shall not award a Contract for asbestos abatement unless the Contractor or its subcontractor is state-certified to perform asbestos abatement under ORS 468A.720.

   d. If applicable, the City shall deem Bids received from bidders without valid certificates of registration for construction or state-certification for asbestos abatement as nonresponsive and shall reject such Bids as stated in ORS 279C.365(1)(k).

2. The Bids shall not be opened until after the final submission date and hour below. Submissions shall become property of the City without obligation. The City is not liable for any cost incurred by bidders in the preparation, submission, and presentation of their Bids.

3. As authorized by Model Rule 0310 and Model Rule 0200(1)(a)(E), Bids must be submitted electronically via email to thedallesbids@ci.the-dalles.or.us with the subject line ***Project No. 2025-014 (First Street Streetscape Project) ITB Response***. All Bids must be submitted as a single PDF and the total message (i.e., email and PDF Bid) must be below **25 MB** (if a bidder requires submission through multiple emails, the bidder should include in the subject line [1 of N], [2 of N], etc.). Compressed files, password protected files, non-PDF files, or files accessible only with external logins will not be opened. The City's email server timestamp is the official time of receipt. All Bids shall be directed to:

Amie Ell, City Clerk
City of The Dalles
313 Court Street
The Dalles, OR 97058

4. Bids will be received until and not later than **2:00 p.m. Pacific Prevailing Time** on **November 13, 2025** (**Closing**). The duty rests with the bidder to ensure the required Bid documents are attached to any email sent to the City in response to this solicitation and for ensuring the City receives the Bid before Closing. First-tier subcontractor disclosures must be submitted within two (2) hours of the Closing consistent with **Section I(H)(1)**.

5. To be considered for award, each Bid must include:

   a. a *cover sheet* indicating an interest in bidding for the construction services to be provided to the City and reflecting the bidder's intent to comply with all terms, conditions, and specifications set forth in this solicitation, signed by an authorized officer of the bidding firm;

   b. a signed *Bid Form* indicating unit prices for all Bid Items;

   c. a statement identifying whether the bidder is a *resident bidder* as defined in ORS 279A.120;

   d. a signed *Certification of Non-Discrimination Form* pursuant to ORS 279A.110(4);

   e. a signed *Bid Security Form*; and

   f. any other information required by this solicitation.

B. Opening and Review of Solicitation Responses

1. Bids shall be opened immediately after the Closing (**Opening**), when the City will access the email account designated for Bid receipt. Opening will be conducted via live Zoom accessible at the link posted on the City's website at

www.thedalles.org/bids (**Meeting ID**: 858 0212 1281; **Passcode**: 068006). The Zoom meeting constitutes the place of Opening.

2. Once opened, Bids will be filed for public inspection. This solicitation may be reviewed in the Office of the City Clerk for the City of The Dalles, City Hall, 313 Court Street, The Dalles, OR 97058. The Information for Bidders and other Contract Documents may be found online at www.thedalles.org/bids.

C. Questions, Requests for Change, Addenda, and Protests

1. Prospective bidders must submit questions or requests for clarification via email to **City Engineer Michael H. Bosse** at mbosse@ci.the-dalles.or.us no later than 10 calendar days prior to Closing. The City may, but is not required to, respond to questions received after that deadline.

2. Any request for change to or protest of this solicitation must be received in writing no later than 10 calendar days prior to Closing, clearly identify the provision(s) at issue, and state the legal and factual grounds for the request or protest, all as consistent with Model Rule 0260.

3. The City may change a solicitation document only by written addenda. Oral statements are not binding unless confirmed by written addendum. Prospective bidders shall provide written acknowledgement of receipt of all issued addenda with its Bid unless the City otherwise specifies in the addenda. The City shall notify prospective bidders of addenda by posting a copy of each addendum to the City's website at www.thedalles.org/bids. No addendum will be issued less than 72 hours before Closing unless extended by addendum.

4. Unless a different deadline is set forth in the addendum, a prospective bidder may submit a written request for change or protest to the addendum by the close of the City's next business day after issuance of the addendum, or up to the last day allowed to submit a request for change or protest under Model Rule 0260, whichever date is later.

D. Mandatory Prequalification

1. The City requires all bidders seeking award to be prequalified in accordance with Resolution No. 25-040 and ORS Chapter 279C. Prequalification is not a guarantee of responsibility at award. If the City has reasonable cause to believe a substantial change has occurred, it may revoke or revise prequalification consistent with ORS 279C.430(4).

2. Bidders must be prequalified in Oregon Department of Transportation *Class of Work* codes appropriate to this Project (as may be amended, merged, or renamed) as follows:

    a. Contractor must hold **EART** — *Earthwork and Drainage*, **ACP** — *Asphalt Concrete Paving and Oiling*, **MHA** — *Miscellaneous Highway Appurtenances*, and **TTC** — *Temporary Traffic Control*.

b. Contractor or listed first-tier subcontractors (as applicable to their scope) must hold **ELEC** — *Electrical*, **PAVE** — *Pavement Markings*, **SIGN** — *Signing (Permanent)*, **REIN** — *Bridges and Structures (for structural retaining walls shown in the Plans)*, **LS** — *Landscaping*, **OTH1** — *Work Class Setting for Local Agencies (for underground utilities including water, sanitary sewer, and stormwater)*.

c. The City may determine a specialty class is not required of the Contractor if a listed first-tier subcontractor prequalified in that class is disclosed within two (2) hours of Closing and committed at Award.

3. Completed Prequalification Forms shall be submitted via email to mbosse@ci.the-dalles.or.us by **4:00pm Pacific Prevailing Time** on **November 6, 2025**.

E. Cancellation of Solicitation

1. The City may cancel a solicitation for good cause if the City finds cancellation is in the public interest. The City's reasons for cancellation shall be made part of the solicitation file. The City shall provide notice of cancellation consistent with Model Rule 0270.

2. If the City cancels a solicitation prior to Opening, the City shall delete any received Bids from the email account designated for Bid receipt, unopened. If the City rejects all Bids, the City shall retain all such Bids as part of the City's solicitation file.

3. The City is not liable to any bidder for any loss or expense caused by or resulting from the cancellation, delay, or suspension of this procurement or rejection of any Bid.

F. Pre-Closing Modification or Withdrawal of Bids

1. A bidder may modify its Bid in writing prior to the Closing. Bidders shall prepare and submit to the City any modification to their Bid in the same manner as submitting a Bid under this solicitation. Any modification must include the bidder's statement the modification amends and supersedes the prior Bid. The bidder shall mark the submitted modification as ***Bid Modification – Project No. 2025-014 (FIRST STREET STREETSCAPE PROJECT).***

2. A bidder may withdraw its Bid by written notice submitted on the bidder's letterhead, signed by an authorized representative of the bidder, delivered to **Amie Ell, City Clerk**, at the Office of the City Clerk, City Hall, 313 Court Street, The Dalles, OR 97058 and received by the City prior to the Closing. The bidder or authorized representative of the bidder may also withdraw its Bid in person prior to the closing upon presentation of appropriate identification and evidence of authority satisfactory to the City. The bidder shall mark the written request to withdraw a Bid as ***Bid Withdrawal – Project No. 2025-014 (FIRST STREET STREETSCAPE PROJECT)***.

3. The City shall include all documents relating to the modification or withdrawal of Bids in the appropriate solicitation file.

4. Any Bid received after closing is late. A bidder's request for withdrawal or modification of a Bid received after closing is late. The City will not consider late Bids, withdrawals, or modifications except as permitted in Model Rule 0340.

G. Receipt, Opening, and Recording of Bids

1. The City shall electronically or mechanically time-stamp or hand-mark each Bid and any modification upon receipt. The City shall not open the Bid or modification upon receipt, but shall maintain it as confidential and secure until the Opening. If the City inadvertently opens a Bid or a modification prior to the Opening, the City shall return the Bid or modification to its secure and confidential state until opening. The City shall document the resealing for the procurement file (e.g., *City inadvertently opened the Bid due to improper identification of the Bid*).

2. The City shall publicly open Bids and modifications made to Bids consistent with **Section I(B)**. To the extent practicable, the City shall read aloud the name of each bidder, the Bid price(s), and such other information as the City considers appropriate.

3. After Opening, the City shall make Bids available for public inspection. The City may, in the City Attorney's sole discretion, withhold from disclosure those portions of a Bid the bidder designates as trade secrets or as confidential proprietary data in accordance with applicable law as authorized by the Oregon Public Records Law and the City's Public Records Policy. Bidders are responsible for identifying such secrets or data and shall separate information designated as confidential from other nonconfidential information at the time of submittal. Prices, makes, models, or catalog numbers of items offered, scheduled delivery dates, and terms of payment are not confidential in any circumstance.

H. First-Tier Subcontractors – Disclosure and Substitution

1. Within two (2) working hours after the Closing, all bidders shall submit to the City (via email to thedallesbids@ci.the-dalles.or.us and with the subject line: ***First-Tier Subcontractor Disclosure Form – Project No. 2025-014***) a completed First-Tier Subcontractor Disclosure Form (attached to this solicitation document and described by ORS 279C.370(2)), identifying any first-tier subcontractors furnishing labor or labor and materials on the Contract, if awarded, whose subcontract value would be equal to or greater than:

   a. five percent (5%) of the total Contract price, but at least $15,000; or

   b. $350,000, regardless of the percentage of the total Contract price.

2. The City must reject a Bid if the bidder fails to submit the First-Tier Subcontractor Disclosure Form by the deadline with the following information or if the bidder submits the Form without listing required subcontractors or indicating "***NONE***":

   a. the subcontractor's name;

   b. the category of work the subcontractor would be performing; and

c. the dollar value of the subcontract.

3. Compliance with the disclosure and submittal requirements of ORS 279C.370 and Model Rule 0340 is a matter of responsiveness. Bids submitted by the Closing, but for which the disclosure submittal has not been made by the specified deadline, are not responsive and shall not be considered for Contract award.

4. The City shall obtain, and make available for public inspection, the disclosure forms required by ORS 279C.370 and Model Rule 0340. The City is not required to determine the accuracy or completeness of the information provided on disclosure forms.

5. Substitution of affected first-tier subcontractors shall be made only in accordance with ORS 279C.585. The City shall accept written submissions filed thereunder as public records. Aside from issues involving inadvertent clerical error under ORS 279C.585, the City does not have a statutory role or duty to review, approve, or resolve disputes concerning such substitutions.

I. Bid Security

1. Since the estimated price of a Contract awarded by this solicitation is expected to exceed $100,000.00, the City requires bidders provide Bid security in the amount of **ten (10%) percent** of their Bid.

2. The City is restricted by Model Rule 0290 to only accept Bid security in the form of a *surety bond*, *irrevocable letter of credit*, or *cashier's or certified check*.

3. Bid security shall be payable to the ***City of The Dalles*** as a guarantee the Bid shall be irrevocable for a period of 60 calendar days (unless otherwise specified by the City) after Opening and shall be fully forfeited as liquidated damages if the bidder fails or neglects to furnish the required performance bond and insurance and execute the Contract within 10 calendar days after award.

J. Prevailing Wage

1. The selected Contractor and its subcontractors shall pay the applicable prevailing wages to their workers as required by ORS 279C.840. This solicitation and the resulting Contract are subject to the following Oregon Bureau of Labor and Industries wage rate requirements and/or the prevailing wage rates set forth in 40 U.S.C. 3141 to 3148 (*Davis-Bacon Act*), as applicable:

   a. the *Prevailing Wage Rates for Public Works Contracts in Oregon*, effective October 5, 2025, including any amendments issued by BOLI prior to first Work on the Project; and

   b. the *PWR Apprenticeship Rates*, effective October 5, 2025, including any amendments issued by BOLI prior to first Work on the Project.

K. Bid Evaluation and Award

1. If awarded, the City shall award the Contract or Contracts to the responsible bidder submitting the lowest responsive Bid; provided, however, and consistent with ORS 279C.375(3)(a), such bidder is not listed by the Construction Contractors Board as disqualified to hold a public improvement contract and such bidder is prequalified by the City (if applicable). The City may award by item, groups of items, or the entire Bid, if such awards are in the public interest. Consistent with ORS 279C.375(5), the City may award a single Contract or multiple Contracts if such awards are in the public interest, as determined by the City.

2. Bidders are required to demonstrate their ability to perform satisfactorily under a Contract awarded under this solicitation. Before award, the City must have information indicating the bidder meets the standards of responsibility set forth in ORS 279C.375(3)(b). Bidders are encouraged to review those standards to ensure any submitted Bid provides sufficiently reasonable information for the City to make a responsibility determination.

3. The City shall use only objective criteria to evaluate Bids as set forth in this solicitation document. The City shall evaluate Bids to determine the responsible bidder offering the lowest responsive Bid. Bidders should include all relevant information to support the City's finding the bidder:

    a. has available the appropriate financial, material, equipment, facility, and personnel resources and expertise, or has the ability to obtain the resources and expertise, necessary to meet all contractual responsibilities;

    b. holds current licenses that businesses or service professionals operating in Oregon must hold in order to undertake or perform the work specified in the Contract;

    c. is covered by liability insurance and other insurance in amounts the City requires for the work specified in the Contract;

    d. qualifies as a carrier-insured employer or a self-insured employer under ORS 656.407 or has elected coverage under ORS 656.128;

    e. submitted a complete First-Tier Subcontractor Disclosure Form;

    f. completed previous contracts of a similar nature with a satisfactory record of performance;

    g. has a satisfactory record of integrity;

    h. is legally qualified to contract with the City; and

    i. supplied all necessary information in connection with the inquiry concerning responsibility. If a bidder fails to promptly supply information concerning responsibility the City requests, the City shall determine the bidder's responsibility based on available information or may find the bidder is not responsible.

4. In determining the lowest responsive Bid, the City shall, in accordance with Model Rule 0390, add a percentage increase to the Bid of a nonresident bidder equal to the percentage, if any, of the preference given to the nonresident bidder in the state in which the bidder resides.

5. In evaluating Bids, the City may seek information from a bidder only to clarify the Bid. Such clarification shall not vary, contradict, or supplement the Bid. A bidder must submit written and signed clarifications and such clarifications shall become part of the Bid.

6. The City shall not negotiate scope of work or other terms or conditions prior to award except as permitted by ORS 279C.340 and Model Rule 0420/0430.

7. After award, the City and Contractor may modify the Contract only by change order or amendment to the Contract in accordance with Model Rule 0910.

8. Consistent with ORS 279C.375(2), the City shall post electronically (accessible at www.thedalles.org/bids) a notice of the City's intent to award a contract under this solicitation at least seven (7) days before its award. The City's award shall not be final until the later of:

    a. seven (7) days after the date of the notice; or

    b. the City's provision of a written response to all timely-filed protests denying the protest and affirming the award.

9. An adversely affected or aggrieved Bidder may submit a written protest of the City's intent to award within seven (7) days after issuance of the Notice of Intent to Award. The protest must specify the grounds upon which the protest is based. The City will not consider untimely protests, all as described in Model Rule 0450.

L. Post-Award

1. Pursuant to ORS 279C.380, and except as provided in ORS 279C.390, the successful bidder shall promptly execute and deliver to the City Manager both a:

    a. performance bond in an amount equal to the full contract price conditioned on the faithful performance of the Contract in accordance with the plans, specifications, and conditions of the Contract; and

    b. payment bond in an amount equal to the full contract price, solely for the protection of claimants under ORS 279C.600.

2. The bonds described in **Section I(L)(1)** must be executed solely by a surety company or companies holding a certificate of authority to transact surety business in Oregon. The bonds may not constitute the surety obligation of an individual or individuals. The bonds must be payable to the ***City of The Dalles*** and in the Forms included in this solicitation.

3. As specified in ORS 279C.836, the successful bidder shall file a public works bond with a corporate surety in the amount of $30,000 with the ***Construction Contractors Board*** (in the form included in this solicitation) before starting work on the Contract. Further, as specified in ORS 279C.830, the Contractor shall include a provision in any and all subcontracts requiring all subcontractors have a valid bond filed with the Construction Contractors Board before starting work on the Contract, as applicable, unless exempt.

4. The successful bidder shall, within 10 calendar days after award but before starting any work under the Contract, sign and deliver to the City Manager and the Construction Contractors Board (for the public works bond) all required copies. At or prior to delivery of the signed Contract, the Contractor shall deliver to the City Manager a performance bond, a separate payment bond, any other bonds, the Workers' Compensation coverage certification, and policies of insurance or insurance certificates with additional insured endorsement forms attached. Contractor's failure or refusal to furnish any of the documents described by this paragraph shall be just cause for cancellation of the award, withdrawal of the Contract, and forfeiture of the Bid Security.

M. Rejection of Bids

1. The City may reject any Bid upon finding that accepting the Bid may impair the integrity of the procurement process or rejecting the Bid is in the public interest.

2. The City shall reject a Bid upon the City's finding the Bid:

    a. is contingent upon the City's acceptance of terms and conditions (including specifications) different from the solicitation document;

    b. takes exception to terms and conditions (including specifications);

    c. attempts to prevent public disclosure of matters in contravention of the terms and conditions of the solicitation document or in contravention of applicable law;

    d. offers work or goods failing to meet the specifications of the solicitation document;

    e. is late;

    f. is not in substantial compliance with the solicitation document; or

    g. is not in substantial compliance with all prescribed public solicitation procedures.

3. The City shall reject a Bid upon the City's finding the bidder:

    a. has not been prequalified by the City if prequalification is mandatory;

    b. has been disqualified under Model Rule 0350;

    c. has been declared ineligible under ORS 279C.860 by BOLI;

d. is listed as not qualified by the Construction Contractors Board;

e. has not met the requirements of ORS 279A.105;

f. has not submitted properly executed Bid Security;

g. has failed to provide the City a Certification of Non-Discrimination. Pursuant to ORS 279A.110(4), the bidder shall certify and deliver to the City written certification, as part of the Bid, the bidder has not discriminated and will not discriminate against minorities, women, or emerging small business enterprises in obtaining any required subcontracts. Failure to do so shall be grounds for disqualification; or

h. is not responsible. See Model Rule 0370(2) regarding the City's determination a bidder has met the statutory standards of responsibility.

4. The City may reject all Bids for good cause upon the City's finding it is in the public interest to do so. The City shall notify all bidders of the rejection of all Bids, along with the good cause justification and finding.

II. Specific Scope of Work Solicited

A. Construction. Contractor shall perform all Work described in the *Construction Drawings* set prepared by KPFF Consulting Engineers, attached to and made part of this solicitation as its **Exhibit B**. The specifications that are applicable to the Work on this Project are listed in:

1. **Part 00100** (*General Conditions*) and **Part 00400** (*Drainage and Sewers*) of the ***2025 City of The Dalles Standard Specifications for Construction*** (accessible for download at www.ci.the-dalles.or.us/engineering), as modified by the *Special Provisions* that are attached to and made part of this solicitation as its **Exhibit C**, except Sections:

    a. 00120.00–00120.10;

    b. 00120.30;

    c. 00120.40(a), (d)–(g);

    d. 00120.45–00120.91; and

    e. 00130.00–00130.08.

2. **Parts 00200**, **00300**, and **00500 through 03000** of the ***2024 Oregon Standard Specifications for Construction***, as modified by the *Special Provisions* (**Exhibit C**).

B. Waste Diversion. Consistent with ORS 279C.510(1) and Model Rule 0200(1)(c)(C), Contractor shall implement feasible and cost-effective salvaging and recycling of

construction and demolition debris and submit a final diversion report with quantities and destinations as a condition of final payment.

C. Incidental and Related Work.

1. ***Hazardous Materials***. No pre-construction universal or hazardous waste survey has been performed. If Contractor encounters suspected universal or hazardous waste (including, without limitation, asbestos-containing material, lead-containing paint, contaminated media, or regulated wastes), Contractor shall immediately stop Work in the affected area, secure the area, and notify the City Project Manager. Work shall not resume in the affected area until the City provides written direction. The City may retain a qualified environmental professional to assess the condition and develop a remediation plan. Contractor shall cooperate and implement the City's written direction. Any abatement, handling, transportation, or disposal of hazardous materials must be performed by entities properly licensed and certified under applicable law (including DEQ asbestos licensing and employee certifications, as applicable) and in compliance with OSHA and DEQ requirements (including 29 CFR 1926.62 for lead). Unless a specific Bid item covers such work, hazardous material abatement, disposal fees, and associated time impacts will be addressed by change order under the Contract's changes/claims provisions. Contractor shall provide all regulatory documentation evidencing lawful transport and disposal for any universal or hazardous waste removed from the site.

2. ***Final Cleaning and Disposal***. Contractor shall perform a final cleaning of each section of the site prior to any street reopening of that section, as directed by the City. Contractor shall perform a true final cleaning of the entire worksite prior to final inspection by the City. No building materials or demolition debris are to remain onsite.

3. ***Asbestos***. If asbestos or asbestos containing material is discovered, and consistent with ORS 468A.720 and Model Rule 0200(1)(a)(L), Contractor agrees no worker shall work on this Project unless licensed to perform asbestos abatement projects by DEQ and the Contractor provides asbestos-related insurance certificates as required by the City Attorney.

III. Special Terms

A. Laydown Yard. The City will enter a license agreement with Contractor to provide Contractor with full access to and use of the City-owned properties depicted in Assessor's Map No. 1N 13E 3 BD, Tax Lots 1300 and 1400 (approximately 0.28 acres), as a laydown yard exclusively for this Project. The City's provision of this laydown yard will be as-is and Contractor may erect temporary fencing (approved by the City) as needed and at its cost. Contractor shall restore the City-owned properties to equal or better pre-use condition (normal wear excepted) prior to final acceptance.

B. Form of Contract. The City expects all prospective bidders to review the substantive form of the City's Contract (which includes Project-specific insurance minimums and other material terms) to be awarded by this solicitation attached to and made part of these Contract Documents as **Exhibit A**.

C. Performance Schedule. Subject to time extensions as provided in the Contract for unforeseeable/uncontrollable events (e.g., inadvertent discoveries, SHPO-directed archaeological work, etc.), all work for this Project is anticipated to commence **DECEMBER 9, 2025**, with substantial completion no later than **MAY 1, 2027**. Absent any inadvertent discovery or archaeological delays, the City expects the soonest practicable substantial completion date.

D. Archaeological Compliance and Inadvertent Discovery.

1. ***SHPO Permit***. Contractor shall comply with all conditions of the City's *SHPO Permit No. 4033*, attached to and made part of this solicitation as its **Exhibit D-1**. Contractor shall closely coordinate with the City's archaeological consultant for all archaeological monitoring or reporting required by the SHPO Permit. (**NOTE**: On October 10, 2025, the City submitted a request to SHPO to extend the Permit's *fieldwork* expiration date to October 29, 2026, and the expiration for *reporting and other Permit terms and conditions* to October 29, 2027. The City expects SHPO will approve its submission ahead of Opening—if SHPO does not grant those extensions, the City will issue an addendum at its earliest practicable opportunity; otherwise, bidders should presume SHPO approved those extensions).

2. ***Stop-Work Notification***. If any archaeological object, site, or potential human remains are encountered, Contractor shall immediately stop Work within at least 100 feet of the discovery, secure the area, and notify the City Project Manager. No Work may resume in the secured area until authorized in writing by the City. If human remains are suspected, Contractor shall immediately notify the City, Oregon State Police, the State Historic Preservation Officer, and the Oregon Commission on Indian Services. All such finds shall be managed consistent with ORS 97.740 to 97.760 and ORS 358.905 to 358.961 and the archaeological plans attached as exhibits to this solicitation.

3. ***Costs and Schedule***. Compliance with these **Section III(D)** provisions is incidental to the Work unless the Contract Documents provide a specific pay item. Time impacts (if any) will be addressed under the Contract's changes/claims provisions.

E. Coordination with Concurrent Work.

1. ***Cooperating Contractors***. The City is slated to have separate contractors performing construction for the ***Federal Street Plaza Project*** and ***Westside Interceptor Upgrades – Phase 2 Project*** concurrently with Contractor's performance of the Work for this Project and all 3 projects have the potential to slightly overlap worksites. Contractor shall coordinate schedules, staging, haul routes, site access, and all other reasonable Project activity accommodations with the City (including such other contractors) to minimize interference with and maintain access to adjacent businesses, residences, and other City infrastructure projects, all as directed by the City Project Manager on a case-by-case basis.

2. ***Coordination Meetings and Look-Ahead Schedules***. Contractor shall participate in weekly coordination meetings and submit a rolling four-week look-ahead schedule identifying major activities, traffic control, and tie-ins that could impact the City's

contractors or work on the ***Federal Street Plaza Project*** and ***Westside Interceptor Upgrades – Phase 2 Project***.

3. ***No Exclusive Control***. Contractor is not entitled to exclusive control of the site or haul routes. Any delay or disruption claims must follow the Contract's changes/claims provisions and nothing herein waives rights available to either party under Model Rule 0810 or applicable law.

F. Railroad Right-of-Entry.

1. ***Applicability***. Work will be performed on, over, under, within, or in proximity to Union Pacific Railroad Company (**UPRR**) right-of-way such that UPRR's rules require protection (including Work within 25 feet of track or with equipment that can reach within 25 feet). Contractor shall, at no additional cost to the City, comply with UPRR's requirements as described in **Exhibit E** attached to and made part of this solicitation. Contractor shall obtain and maintain UPRR's required right-of-entry/approval before performing any such Work. Contractor shall also provide Railroad Protective Liability insurance and any other insurance required by UPRR as provided in **Exhibit E** and Section 3 of the Contract.

2. ***Separate Agreement Control***. Notwithstanding any other provision of this solicitation (including the form of Contract described in **Exhibit A**), Contractor shall execute any UPRR-required right-of-entry or contractor endorsement agreement(s) and be bound to UPRR's terms for Work on or affecting UPRR property. In the event of conflict as to Work on UPRR property, UPRR requirements control solely for that Work and the City's Contract governs otherwise.

3. ***Flagging and Notice***. Contractor shall give UPRR the advance notices required by **Exhibit E** (including 10 working days before starting the Work and 30 working days before any activity within or that could reach within 25 feet of track). UPRR will determine flagging/special protective measures. All costs for UPRR flagging or any approved contractor-in-charge are Contractor's responsibility. If UPRR flagging or a Contractor-in-Charge may be required, Contractor shall not begin any Work on, over, under, within, or affecting UPRR property until Contractor and UPRR conduct a preconstruction meeting to coordinate flagging and work activities.

4. ***Traffic Control and Pedestrian Safety***. Contractor's temporary traffic control near UPRR crossings shall comply with MUTCD and applicable FRA guidance and is subject to UPRR review and approval. If applicable, no new or temporary vehicular or pedestrian crossing over UPRR trackage may be installed or used without UPRR's prior written approval.

5. ***Fiber Optic Protection***. Before any ground disturbance on UPRR property, Contractor shall contact UPRR to identify and protect fiber-optic facilities at **1-800-336-9193** (24/7) and shall not commence Work until any required protection and/or relocation is complete. Contractor shall coordinate utility locates for fiber optic facilities on UPRR property consistent with **Exhibit E**.

6. ***Setbacks and Storage***. When not in use, Contractor's machinery, materials, and vehicles shall be kept at least fifty (50) feet from the centerline of the nearest UPRR track unless UPRR approves otherwise in writing.

7. ***Demolition/Explosives***. If applicable, Contractor shall not store or use explosives or other highly flammable substances on UPRR property without UPRR's prior written approval.

8. ***Removal Authority***. Upon UPRR's request, Contractor shall immediately remove from UPRR property any Contractor or subcontractor employee who fails to comply with UPRR instructions or safety requirements.

9. ***Subcontractor Flow-Down***. Contractor shall flow down all UPRR requirements in this **Section III(F)** to every subcontractor performing Work on, over, under, within, or affecting UPRR property, including railroad-specific insurance endorsements and safety requirements.

10. ***Costs and Time***. Contractor shall include in the Bid all costs, schedule, and logistics to meet UPRR requirements (including insurance, right-of-entry fees, flagging, training, and safety). Delays arising from Contractor's failure to timely secure UPRR approvals or flagging are not a basis for additional compensation.

G. Control.

1. ***Order of Precedence***. Except as provided in **Section III(G)(2)**, in the event of a conflict among the Contract Documents, the following governs in descending order:

   a. written change orders, contract amendments, and written field directives issued after Award;

   b. the executed Contract (a form of which is included as **Exhibit A**), including its supplementary or special conditions;

   c. written Addenda issued prior to Award;

   d. Special Provisions (**Exhibit C**);

   e. Construction Drawings (**Exhibit B**);

   f. the *2025 City of The Dalles Standard Specifications for Construction*, Parts 00100 and 00400 (as modified); and

   g. the *2024 Oregon Standard Specifications for Construction*, Parts 00200, 00300, and 00500–03000 (as modified).

2. ***UPRR Exception***. Notwithstanding any other provision of this solicitation, the UPRR Contractor Endorsement and requirements (**Exhibit E**) shall control solely for that portion of any Work on, over, under, within, or affecting UPRR right-of-way and shall supersede items described by **Section III(G)(1)(d)–(g)**; however, items described by **Section III(G)(1)(a)–(c)** continue to govern legal and administrative terms.

IV. Forms

Form 1	*Prequalification Form*
Form 2	*Conflict of Interest Form and Guidelines*
Form 3	*Bid Form*
Form 4	*First-Tier Subcontractor Disclosure Form*
Form 5	*Certification of Non-Discrimination Form*
Form 6	*Bid Security Form*
Form 7	*Public Works Bond*
Form 8	*Performance Bond*
Form 9	*Payment Bond*

V. Exhibits

Exhibit A	*Form of Contract* (**NOTE**: Bidder responsibility to review—contains material terms such as insurance minimums).
Exhibit B	*Construction Drawings*
Exhibit C	*Special Provisions*
Exhibit D	***Archaeological Exhibits***
Exhibit D-1	*SHPO Permit No. 4033*
Exhibit D-2	*Monitoring and Inadvertent Discovery Plan*
Exhibit D-3	*Treatment Plan*
Exhibit E	*UPRR Contractor Endorsement (General Terms & Provisions) with Insurance Provisions and Minimum Safety Requirements* (**NOTE**: Bidder responsibility to review and compliance, including additional insurance minimums, required if railroad work applies.)

VI. Anticipated Solicitation Schedule

October 14, 2025	*Issuance of ITB*
November 6, 2025	*Prequalification Deadline*
November 13, 2025	*Closing and Opening*
November 13-18, 2025	*Review and evaluation of bids*
November 19, 2025	*Notice of intent to award contract*
December 8, 2025	*City Council award*

FORMS

FIRST STREET STREETSCAPE PROJECT
CONTRACT NO. 2025-014

PREQUALIFICATION FORM

FIRST STREET STREETSCAPE PROJECT
CONTRACT No. 2025-014

1) BIDDER'S GENERAL INFORMATION

Contractor's Name:
_____

Doing business as: _____
(An Individual, Partnership, Corporation, LLC)

Oregon Secretary of State Corp. Div. Registry No. _____

Address 1:_____

Address 2:_____

Phone:_____ Fax:_____

Application prepared by:_____

Preparer's Email:_____

Oregon Construction Contractors Board No. (CCB)_____

Other State License No. _____

2) BONDING

Surety Company:_____

Agent Name: _____

Address 1:_____

Address 2:_____

Phone:_____ Fax:_____

Bonding Capacity: Per Project $_____
Aggregate $_____

3) WORK EXPERIENCE

A. How many years has your firm been in business under its present name?

As a prime contractor? _____ As a subcontractor? _____

B. How many years' experience in construction work has your firm had?

As a prime contractor? _____ As a subcontractor? _____

C. **ATTACH TO THIS FORM** the experience resume of the person who will be designated on-site construction manager. On-site manager or their designee shall have ODOT ADA Certification for Contractors or approved equal. Provide copy of certifications with resume.

D. List three (3) projects completed as of recent date involving work of a similar type and complexity (attach sheets as needed):

PROJECT #1

Owner Name, Project Name	Contract Price	Date of Completion
Contact Name, Address and Phone of Owner	Describe Work Performed	

PROJECT #2

Owner Name, Project Name	Contract Price	Date of Completion
Contact Name, Address and Phone of Owner	Describe Work Performed	

PROJECT #3

Owner Name, Project Name	Contract Price	Date of Completion
Contact Name, Address and Phone of Owner	Describe Work Performed	

4) SUPPLEMENTAL QUESTIONS – Attach written explanations as appropriate

A. Has your company changed its name during the past 5 years? Yes ____ No____
If yes, provide your company's former name:
_____

B. Has your company ever been denied prequalification by any state, local or federal agency in this or any other state?

Yes ____ No____ **if yes, please attach an explanation**

C. Has your company ever failed to complete a state, local or federal public improvement contract?

Yes ____ No____ **if yes, please attach an explanation**

D. Has your company had any claims placed against one of your payment bonds or performance bonds in the past 5 years?

Yes ____ No____ **if yes, please attach an explanation**

E. Have you or your company ever been debarred from bidding on contracts by any state, local or federal agency in this or any other state?

Yes ____ No____ **if yes, please attach an explanation**

F. Has your company filed for bankruptcy in the past 5 years?

Yes ____ No____ **if yes, please attach an explanation**

G. Has your company had any willful OSHA violations in the past 5 years?

Yes ____ No____ **if yes, please attach an explanation**

H. Within the last 5 years has the applicant, or any parent, subsidiary or affiliate, failed to complete a state, local or federal public improvement (works) contract?

Yes ____ No____ **if yes, please attach an explanation**

I. Within the last 5 years has the applicant, or any parent, subsidiary or affiliate, been found in breach of a local, state or federal contract?

Yes ____ No____ **if yes, please attach an explanation**

J. Within the last 5 years have you, your company or any officers, agents or employees of your company been found to have violated any State or Federal prevailing wage statute, regulation (including the federal Davis-Bacon and Related Acts and ORS 279C.830 et. seq.) in any Final Order of the Oregon Bureau of Labor and Industries or the US Department of Labor, or by any court of competent jurisdiction?

Yes ____ No____

If yes, provide copies of the final order or judgment and explain in detail the following:

- the circumstances behind any violation, including the amount not paid
- whether the amounts have now been paid
- the reasons for the violation
- all efforts undertaken to ensure that future violations will not occur

K. Does your firm have available the appropriate financial, material, equipment, facility and personnel resources and expertise, or ability to obtain the resources and expertise, necessary to demonstrate the capability of the firm to meet all contractual responsibilities?

Yes ____ No____ **if yes, please provide supporting documentation**

L. Is your firm experiencing financial distress or having difficulty securing financing?

Yes ____ No____

M. Does your firm have sufficient cash flow to fund day-to-day operations throughout the proposed contract period?

Yes ____ No____

N. Within the last 5 years, has your firm completed previous contracts of a similar nature with a satisfactory record of performance? [For purposes of this question, a satisfactory record of performance means that to the extent that the costs associated with and time available to perform a previous contract remained within your firm's control, your firm stayed within the time and budget allotted for the procurement and otherwise performed the contract in a satisfactory manner.]

Yes ____ No____ **if no, please attach an explanation**

O. Does your firm have all required licenses, insurance and/or registrations, if any, and is the firm legally authorized to do business in the State of Oregon?

Yes ____ No____ **if no, please attach an explanation**

P. Is your firm covered by liability insurance and other insurance in amounts required in the contract specifications or have the ability to obtain the required insurance in the amounts required in the specifications after notice of award?

Yes ____ No____

Q. Does your firm qualify as a carrier-insured employer or a self-insured employer under ORS 656.407 or has elected coverage under ORS 656.128?

Yes ____ No____

R. Has your firm complied with the tax laws of the State or a political subdivision of the State, including ORS 305.620 and ORS Chapters 316, 317 and 318?

Yes ____ No____

5) **COMPLETE** and **ATTACH** the City of The Dalles Conflict of Interest Disclosure Form

6) **CERTIFICATION STATEMENT**

I certify that the foregoing statements and information provided in all sections of this application are correct and true as of the date of this application and that I am authorized to bind this company contractually. I further certify that any additional information requested by the City to process this application will be true and correct.

_____
_____
Name Title

_____
_____
Signature Date

_____
Company Name

CONFLICT OF INTEREST (COI) DISCLOSURE FORM

Firms under Contract or proposing to enter into a Contract with Agency must be in conformance with the "City of The Dalles (COTD) Conflict of Interest Guidelines" available on the Internet at: www.ci.the-dalles.or.us/engineering. The definitions of terms used in this COI Disclosure Form shall be those provided in the City of The Dalles Conflict Of Interest Guidelines (note that "Public Official" includes all Agency employees).

This COI Disclosure Form is submitted in response to (check only one):

☐ **Agency RFP# _____ [or] ITB# _____**

☐ **Contract # _____**

☐ **Price Agreement # _____WOC# _____ [or] PO# _____**

☐ **Changes to COI Disclosure Form previously submitted for (RFP # _____, ITB # _____, Price Agreement # _____, WOC # _____, Contract # _____**

This COI Disclosure Form must be signed in ink by a principal of the Firm to certify that it is correct. A Firm's certification that its disclosure form is correct includes the disclosure by its Associates and Subcontractors.

My signature certifies that as disclosed on or attached to the present form:

(a) the Firm's disclosures are complete, accurate, and not misleading.

(b) the Firm has provided the City of The Dalles COI Guidelines to all Associates and Subcontractors (if any) and the present form includes or has attached any required COI disclosures from those sources.

I hereby certify that I am authorized to sign this COI Disclosure Form as a Representative for the Firm identified below:

Complete Legal Name of Firm: _____

Address: _____

Telephone: _____ **Fax No:** _____

Signature: _____ **Date:** _____

Please answer all questions "Yes", "No" or "N/A" (if uncertain answer "Yes.") If the answer to any of the questions is "Yes," then use the applicable "Comments" fields to:

(a) furnish all relevant facts that are necessary to make the response complete, accurate, and not misleading; and

(b) identify any actions that must be taken to avoid, neutralize, or mitigate such conflict of interest (e.g. communications barriers, restraint or restriction upon future contracting activities, or other precaution)

1. a) Is any Associate of the Firm a former employee of Agency within the last year? **No** ☐ **Yes** ☐

   b) Is any Associate of the Firm a Relative or Member of the Household of a current Agency employee that had or will have any involvement with this Procurement or Contract Authorization? **No** ☐ **Yes** ☐

   If the answer to either of the above questions is "Yes", complete the attached "Relatives and Former Agency Employees -Roles and Signatures" table (Part A and/or Part B, as applicable).

2. Does the Firm or any Associate of the Firm have an Actual, Apparent or Potential Conflict Of Interest ("Individual" or "Organizational") with regard to any known member of an Agency Procurement evaluation or selection team? **No** ☐ **Yes** ☐ **Comments:**

3. Did the Firm or any Associate of the Firm conduct prior work on the Project described in the Procurement, or participate in preparing any part of the Procurement or any documents or reports related to the Procurement or to which the Procurement refers? **No** ☐ **Yes** ☐ **Comments:**

4. Does the Firm or any Associate of the Firm have any past, present or currently planned personal or financial interests which are an Actual, Apparent or Potential Conflict of Interest ("Individual" or "Organizational"), with respect to the Procurement or award of this Contract or performing the work for Agency or acquisition of any real property for the Project? **No** ☐ **Yes** ☐ **Comments:**

5. Has the Firm or an Associate of the Firm offered to a Public Official, or is the Firm aware of any Public Official that has solicited or received, directly or indirectly, any pledge or promise of employment or other benefit based on the understanding that the Public Official's vote, official action or judgment would be influenced thereby? **No** ☐ **Yes** ☐ **Comments:**

6. Has (or will) the Firm or an Associate of the Firm provided a direct beneficial financial interest to any person within two years after the person ceased to hold a position as a Public Official who was involved in the Procurement or Authorization for the Contract, or is the Firm aware of any such person or Public Official who has or will receive a direct beneficial financial interest within the two year period? **No** ☐ **Yes** ☐ **Comments:**

7. Is the Firm aware of any current or former Public Official that has an Actual, Apparent or Potential Conflict Of Interest with respect to the Procurement or award of this Contract or performing the work for Agency? **No** ☐ **Yes** ☐ **Comments:**

8. Does the prospective Contract/WOC include development of an Environmental Assessment (EA) or Environmental Impact Statement (EIS)? **No** ☐ **Yes** ☐

   If yes, in accordance with the disclosure statement requirements of Council on Environmental Quality Regulation, 40 C.F.R 1506.5(c), does the Firm have any financial or other interest in the outcome of this Project; and/or does the Firm have any agreement, enforceable promise, or guarantee to provide any future work on this Project? **No** ☐ **Yes** ☐ **Comments:**

9. Have Subcontractors or other Associates furnished COI Disclosure Forms, separate from the present form, which included conflicts or potential conflicts of interest? (If yes, attach the disclosures.)
   No ☐ **Yes** ☐ **N/A**☐ **Comments:**

10. If the prospective Contract/WOC includes personal services for the purpose of administering, managing, monitoring, inspecting, evaluating compliance with or otherwise overseeing a public contract, is the Firm or an Associate or an Affiliate of the Firm a party to the subject public contract?
    No ☐ **Yes** ☐ **N/A**☐ **Comments:**

11. Has the Firm or any Associate of the Firm entered into personal services contract(s) with Agency for the purpose of advising or assisting in developing specifications, a scope or statement of work, an invitation to bid, a request for proposals or other solicitation documents and materials related to this procurement?
    No ☐ **Yes** ☐ **Comments:**

Relatives and Former Agency Employees - Roles and Signatures

For each employee of the Firm that was employed by Agency within the last year, state the job the employee performed for Agency, the role the employee now serves for the Firm and the date the employee left Agency. Use Part B for Firm Associates with Relatives or Members of the Household working for Agency that had or will have involvement with this Procurement or Contract.

Part A: Employees that left Agency in the last year.

Employee Name/Signature	Job Performed for Agency	Current Role with Firm	Date left Agency
Name:_____ Sign:_____ • Involved with this Procurement on behalf of COTD? **No** ☐ **Yes** ☐ • Involved with Proposal development for this Procurement? **No** ☐ **Yes** ☐			
Name:_____ Sign:_____ • Involved with this Procurement on behalf of COTD? **No** ☐ **Yes** ☐ • Involved with Proposal development for this Procurement? **No** ☐ **Yes** ☐			
Name:_____ Sign:_____ • Involved with this Procurement on behalf of COTD? **No** ☐ **Yes** ☐ • Involved with Proposal development for this Procurement? **No** ☐ **Yes** ☐			

Part B: Identify Associates of the Firm that are Relatives or Members of the Household of Agency employees currently working for Agency, if the Agency employee had or will have any involvement with this Procurement or Contract.

Firm Associate's Name	Name and Relationship of Relative or Member of Household Employed at Agency	Role at Agency	Agency employee's Role with this Procurement

(Make copies of this form as needed to list additional employees.)

CITY OF THE DALLES CONFLICT OF INTEREST GUIDELINES (COI GUIDELINES)
City of The Dalles (Agency)

ALL FIRMS shall follow these COI Guidelines and submit the associated COI Disclosure Form when submitting any Proposal/Bid in response to an Agency Procurement that references these Guidelines or when entering into any Contract with Agency (and throughout the period during which the Proposal/Bid is open or the Contract is in effect) **REGARDLESS OF WHETHER THE FIRM HAS A CONFLICT OF INTEREST**.

ALL FIRMS shall also provide the COI Guidelines and associated COI Disclosure Form to all of its Subconsultants and Subcontractors at any tier of a Proposal/Bid or Contract and shall ensure that the Firm and each of its Subconsultants or Subcontractors make any disclosures required by these Guidelines or as required by a specific Procurement or Contract. The Agency will follow and apply these COI Guidelines when conducting specified Agency Procurements.

1. Definitions

The **definitions** that apply to these COI Guidelines and the Agency's COI Disclosure Form are at the end of this document.

2. Required Disclosures

ALL FIRMS shall indicate on their associated COI Disclosure Form whether:

(note that "Public Official " includes all Agency employees):

- a Firm or any of its Associates have any Apparent, Potential or Actual Conflicts Of Interest per these COI guidelines or per the criteria of any COI Form included as part of a Procurement or Contract;
- a Procurement or Contract document specifically requires submittal of a COI Disclosure Form (e.g., if the prospective Project includes preparation of an Environmental Impact Statement or Environmental Assessment, submittal of COI Disclosure Forms is always required.);
- a Firm has any changes to its staffing or organization (whether before or after entering into a Contract) that result in an Apparent, Potential or Actual Conflict Of Interest per these guidelines or per the criteria of any COI form associated with a particular Procurement or Contract. Any such changes shall be disclosed within 10 business days via submittal of a complete and signed COI Disclosure Form.
- The response to any of the following questions is "yes" (with respect to a Procurement or current Contract with Agency):
    1. Is any Associate of the Firm a former employee of Agency (within the last year)?
    2. Is any Associate of the Firm a Relative or Member of the Household of a current employee of Agency who had or may have a role in this Procurement, Authorization of the Contract, Contract administration, or oversight of the Contractor's performance?
    3. Does the Firm or any Associate of the Firm have an Actual, Apparent or Potential Conflict Of Interest ("Individual" or "Organizational") with regard to any member of an Agency Procurement evaluation or selection team?
    4. Did the Firm or any Associate of the Firm conduct prior work on the Project described in the Procurement, or participate in preparing any part of the Procurement or any documents or reports related to the Procurement or to which the Procurement refers?

5. Does the Firm or any Associate of the Firm have any past, present or currently planned interests which are an Actual, Apparent or Potential Conflict of Interest ("Individual" or "Organizational") with respect to performing the work for Agency?
6. Has the Firm or an Associate of the Firm offered to a Public Official, or is the Firm aware of any Public Official that has solicited or received, directly or indirectly, any pledge or promise of employment or other benefit based on the understanding that the Public Official's vote, official action or judgment would be influenced thereby?
7. Has (or will) the Firm or an Associate of the Firm provided a direct beneficial financial interest to any person within two years after the person ceased to hold a position as a Public Official who was involved in the Procurement or Authorization for the Contract, or is the Firm aware of any such person or Public Official who has or will receive a direct beneficial financial interest within the two year period?
8. Is the Firm aware of any current or former Public Official that has an Actual, Apparent or Potential Conflict Of Interest with respect to the Procurement or award of this Contract or performing the work for Agency?
9. Does the prospective Contract include development of an environmental assessment (EA) or environmental impact statement (EIS)?
10. If a Procurement is to obtain personal services for the purpose of administering, managing, monitoring, inspecting, evaluating compliance with or otherwise overseeing a public contract, is the Firm or an Associate or an Affiliate of the Firm a party to the subject public contract?
11. Has the Firm or any Associate of the Firm entered into personal services contract(s) with Agency for the purpose of advising or assisting in developing specifications, a scope or statement of work, an invitation to bid, a request for proposals or other solicitation documents and materials related to this procurement?

A Firm shall incorporate in each required COI Disclosure Form any COI disclosure information provided by its staff and attach COI Disclosure Forms from each of its Subcontractors (that have required disclosures of conflicts or potential conflicts of interest), prior to such Firm performing any services under a Contract.

Agency's COI Disclosure Form is available on the Internet at the following Intranet site: www.ci.the-dalles.or.us/engineering . Some Procurements may require submittal of a COI Disclosure Form (other than the standard form) that is specific to the Procurement.

3. Governing Standards

Both Oregon and federal laws govern disclosure and management of conflicts of interest in transportation contracting processes. The disclosure requirements of these COI Guidelines apply to all Agency contracting activities {Architectural and Engineering (A&E) and non-A&E, public improvements, goods, and trade services} without regard to which particular federal or Oregon laws govern the activity. Agency also has a Code of Conduct Policy for conflicts of interest regarding the employment of former Agency employees, which is explained below.

Agency Code of Conduct Policy Regarding Former Agency Employees

When employees of firms which compete for or have Contracts with the Agency come to work for the Agency, and when Agency employees go to work for firms which compete for or have Contracts with the Agency, a Potential Conflict of Interest may exist.

Use of a former Agency employee by a Firm on the same, or substantially similar Procurement, for

which the employee performed a role or function for the Agency, unless mitigated to the satisfaction of the Agency, is prohibited for a period of one year following separation of employment with the Agency. Roles and functions of particular concern include drafting specifications or statements of work, reviewing or scoring a bid or proposal, authorizing service or assigning work, awarding a Contract, administering a Contract, or overseeing Contractor's performance. The Agency may determine that the role or Procurement is not substantially similar because of differences in location of the Project or work, because of the type and method of Procurement, or because the role performed was minor in nature such as a technical sufficiency review. Examples of mitigation that may, in appropriate situations, be acceptable to the Agency include separation of certain decision-making functions concerning the Project, not using the employee in preparation of proposals but allowing them to perform work on the Project, and not having the employee have direct contact with Agency staff formerly under his/her supervision.

For each Procurement, Firms shall disclose to Agency the identification of any employee(s) that had been employed by Agency within the last one-year period. Each Firm's disclosure shall include a signed statement by the former Agency employee of their proposed role for the Firm in the particular Procurement and any resulting Contract. Failure of a Firm to disclose such relationship or to remedy such potential violation will result in the rejection of the Firm's bid or cancellation of the Contract with the Agency as well as being grounds for cancellation of a Firm's prequalification or designation of a Firm as ineligible for future Procurements as not being a responsible bidder. (Also see below regarding the ORS 244.047 two-year ban on any direct beneficial interest.)

Oregon State Standards

The current Oregon statutory framework, as generally applied, addresses conflicts of interest in public contracting by emphasizing the need for open and impartial Procurement methods and by prohibiting certain conflicts of interest involving public officials. The following statutes and administrative rules establish Oregon's general policies and the restrictions and prohibitions regarding conflicts of interest for public contracts and Public Officials:

- The policies of the Public Contracting Code (ORS 279A.015) encourage public contracting competition that supports openness and impartiality to the maximum extent possible, while recognizing that the nature of effective and meaningful competition depends upon the service being procured.
- According to ORS 279A.015(2) a sound and responsive public contracting system should instill public confidence through ethical and fair dealing, honesty and good faith on the part of government officials and those who do business with the government.
- ORS Chapter 244 prohibits conflicts of interest of Public Officials. Among the prohibitions are offering a public employee a pledge of future employment based on an understanding that the offer would influence the public employee's official action or judgment.
- ORS 244.047(2) and (3) provide the following:

  (2) "Except as provided in subsection (3) of this section, a person may not, for two years after the person ceases to hold a position as a public official, have a direct beneficial financial interest in a public contract that was authorized by:

  (a) The person acting in the capacity of a public official; or

  (b) A board, commission, council, bureau, committee or other governing body of a public body of which the person was a member when the contract was authorized.

  (3) Subsection (2) of this section does not apply to a person who was a member of a board,

commission, council, bureau, committee or other governing body of a public body when the contract was authorized, but who did not participate in the authorization of the contract."

Agency's administrative rules in OAR 731 Division 70 establish conflict of interest rules for the Oregon Innovative Partnership Program. The Oregon Government Ethics Commission also has administrative rules for public officials in OAR 199 Division 5.

- ORS 279.C.307includes the following:

(1) "Except as provided in subsection (2) of this section, a contracting agency that procures personal services for the purpose of administering, managing, monitoring, inspecting, evaluating compliance with or otherwise overseeing a public contract that is subject to this chapter may not:

(a) Procure the personal services from a contractor or an affiliate of a contractor who is a party to the public contract that is subject to administration, management, monitoring, inspection, evaluation or oversight by means of the personal services; or

(b) Procure the personal services through the public contract that is subject to administration, management, monitoring, inspection, evaluation or oversight by means of the personal services.

(2) Subsection (1) of this section does not apply to a procurement that qualifies as a Construction Manager/General Contractor procurement or a Design-Build procurement, both as defined in OAR 125-249-0610 or 137-049-0610.

(3) As used in this section, "affiliate" means a person that, directly or indirectly through one or more intermediaries, controls, is controlled by or is under common control with the contractor described in subsection (1)(a) of this section."

- ORS 279B includes the following per 2012 Senate Bill 1518, Section 2 (Oregon Laws 2012, Chapter 53):

(1) Except as provided in subsection (2) of this section, a state contracting agency that procures personal services for the purpose of advising or assisting the state contracting agency in developing specifications, a scope or statement of work, an invitation to bid, a request for proposals or other solicitation documents and materials related to a procurement may not accept from the contractor, or an affiliate of the contractor, that advised or assisted the state contracting agency a bid or proposal for the goods or services described, specified or identified in the solicitation documents or materials if a reasonable person would believe that, by giving the advice or assistance, the contractor or affiliate would have or would appear to have an advantage in obtaining the public contract that is the subject of the solicitation.

(2)(a) If a state contracting agency anticipates that the state contracting agency will or must seek advice or assistance of the type described in subsection (1) of this section from a contractor that is also engaged in providing goods or services that will be described or identified in the solicitation documents and materials that result from the advice or assistance, and the state contracting agency wishes to accept a bid or proposal from the contractor, the state contracting agency, before awarding a contract for the advice or assistance, shall apply to the Director of the Oregon Department of Administrative Services for an exception to the prohibition set forth in subsection (1) of this section.

(b)The state contracting agency in the application for the exception shall include findings and justifications, along with sufficient facts to support the findings and justifications, that will enable the director to make an independent judgment as to whether:

(A) The state contracting agency needs advice or assistance from a contractor to develop the solicitation documents and materials described in subsection (1) of this section;

(B) Accepting a bid or proposal from the contractor that gives the advice or assistance is the only practicable way in which the state contracting agency can conduct the procurement successfully; and

(C) Approving the exception:

(i) Is unlikely to encourage favoritism in awarding public contracts or to substantially diminish competition for public contracts; and

(ii)(I) Is reasonably expected to result in substantial cost savings to the state contracting agency or the public; or

(II) Otherwise substantially promotes the public interest in a manner that could not be practicably realized by complying with the prohibition described in subsection (1) of this section.

(c)(A) If the director approves the state contracting agency's application, the director shall prepare written findings and justifications for the approval. The state contracting agency's findings, justifications and facts and the director's findings, justifications and approval are public records that are subject to disclosure as provided in ORS 192.410 to 192.505.

(B) If the director disapproves the state contracting agency's application, the director shall state the director's reasons for the disapproval in a written notice to the state contracting agency and shall indicate whether the disapproval extends only to the state contracting agency's acceptance of a bid or proposal from a contractor that gives advice or assistance in preparing solicitation documents and other materials or whether the director also disagrees with the state contracting agency's stated need for advice or assistance from a contractor.

(C) The director's approval or disapproval is final.

(3) As used in this section, "affiliate" means a person that, directly or indirectly through one or more intermediaries, controls, is controlled by or is under common control with a contractor described in this section.
(4) This section does not apply to the Secretary of State or the State Treasurer.

- OAR 137-048-0130(8), (9) and (10) provides:

"(8) As required by ORS 279C.307, pertaining to requirements to ensure the objectivity and independence of providers of certain Personal Services which are procured under ORS chapter 279C, Contracting Agencies may not:

(a) Procure the Personal Services identified in ORS 279C.307 from a Contractor or an affiliate of a Contractor who is a party to the Public Contract that is subject to administration, management, monitoring, inspection, evaluation or oversight by means of the Personal Services; or

(b) Procure the Personal Services identified in ORS 279C.307 through the Public Contract that is subject to administration, management, monitoring, inspection, evaluation or oversight by means of the Personal Services.

(9) The requirements of ORS 279C.307 and section (8) of this rule apply in the following circumstances, except as provided in section (10) of this rule:

(a) A Contracting Agency requires the Procurement of Personal Services for the purpose of administering, managing, monitoring, inspecting, evaluating compliance with or otherwise overseeing a Public Contract or performance under a Public Contract that is subject to ORS chapter 279C. A Public Contract that is "subject to ORS chapter 279C" includes a Public Contract for Architectural, Engineering, Photogrammetric Mapping, Transportation Planning or Land Surveying Services, a Public Contract for Related Services or a Public Contract for construction services under ORS chapter 279C.

(b) The Procurements of Personal Services subject to the restrictions of ORS 279C.307 include, but are not limited to, the following:

(A) Procurements for Architectural, Engineering, Photogrammetric Mapping, Transportation Planning or Land Surveying Services, which involve overseeing or monitoring the performance of a construction Contractor under a Public Contract for construction services subject to ORS chapter 279C;

(B) Procurements for commissioning services, which involve monitoring, inspecting, evaluating or otherwise overseeing the performance of a Contractor providing Architectural, Engineering, Photogrammetric Mapping, Transportation Planning or Land Surveying Services or the performance of a construction Contractor under a Public Contract for construction services subject to ORS chapter 279C;

(C) Procurements for project management services, which involve administration, management, monitoring, inspecting, evaluating compliance with or otherwise overseeing the performance of a Contractor providing Architectural, Engineering, Photogrammetric Mapping, Transportation Planning or Land Surveying Services, construction services subject to ORS chapter 279C, commissioning services or other Related Services for a Project;

(D) Procurements for special inspections and testing services, which involve inspecting, testing or otherwise overseeing the performance of a construction Contractor under a Public Contract for construction services subject to ORS chapter 279C; and

(E) Procurements for other Related Services or Personal Services, which involve administering, managing, monitoring, inspecting, evaluating compliance with or otherwise overseeing the Public Contracts described in Section (9)(a) of this rule.

(10) The restrictions of ORS 279C.307 do not apply in the following circumstances, except as further specified below:

(a) To a Contracting Agency's Procurement of both design services and construction services through a single "Design-Build" Procurement, as that term is defined in OAR 137-049-0610. Such a Design-Build Procurement includes a Procurement under an Energy Savings Performance Contract, as defined in ORS 279A.010. Provided, however, the restrictions of ORS 279C.307 do apply to a Contracting Agency's Procurement of Personal Services for the purpose of administering, managing, monitoring, inspecting, evaluating compliance with or otherwise overseeing a Design-Build Contract or performance under such a Contract resulting

from a Design-Build Procurement; and

(b) To a Contracting Agency's Procurement of both pre-construction services and construction services through a single "Construction Manager/General Contractor" Procurement, as defined in OAR 137-049-0610. Provided, however, the restrictions of ORS 279C.307 do apply to a Contracting Agency's Procurement of Personal Services for the purpose of administering, managing, monitoring, inspecting, evaluating compliance with or otherwise overseeing a Construction Manager/General Contractor Contract or performance under such a Contract resulting from a Construction Manager/General Contractor Procurement."

Agency's COI Guidelines embody the intent of encouraging competition through openness, impartiality, and public disclosure of relevant information (and the avoidance of conflicts of interest) as described in ORS 279A.015, ORS Chapter 244, and Agency's Code of Conduct Policy.

The two-year prohibition against a Public Official having a direct beneficial financial interest in a public contract as provided in ORS 244.047 would generally preclude the person from working under the public contract and from representing the Firm in dealings with the public agency for whom the person had worked. Sharing in the general profits of the Firm (such as a year-end bonus for overall corporate profits) is likely not a direct beneficial financial interest, however, a bonus or other compensation paid just on the basis of the public contract would be subject to the prohibition.

Federal Standards— Procurements Related To Design-Build and Design-Bid-Build

Pursuant to 23 USC § 112(b)(3), the FHWA has promulgated administrative rules that affect federally funded Design-Build procurements and related procurements. These rules, which are in Chapter 23 of the CFR Part 636, are used as the basis for Agency's guidelines on the subject and specifically regulate both Organizational and Individual Conflicts Of Interest. Agency's COI Guidelines incorporate a number of concepts from these federal provisions.

The main rule on Organizational Conflicts Of Interest in Design-Build transactions is 23 CFR §636.116. This rule affects not only Design-Build procurements, but also "any contract for engineering services, inspection or technical support in the administration of the Design-Build contract." Following is a summary of this federal rule (Agency's COI Guidelines apply this rule to design-bid-build and non-A&E activities as well):

Generally, a consultant who assists the state in preparing a Request for Proposals (RFP) document may not, subsequently, propose in response to the RFP. However, the state may determine that the consultant does not have a conflict of interest for a subsequent Procurement, if the consultant furnished only "low-level" documents that were incorporated into the RFP and made available to all offerors, and did not assist the state in the development of instructions to offerors or evaluation criteria for the RFP.

These Design-Build regulations also apply to "improper business practices and personal conflicts of interest" of the Agency's selection team members. 23 CFR § 636.117 indicates that Federal Acquisition Regulations ("FARs"---specifically 48 CFR Part 3, Improper Business Practices and Personal Conflicts of Interest) will apply to the state's selection team members in the absence of relevant state laws and procedures. These regulations require government business to be "above reproach," conducted "with complete impartiality and with preferential treatment for none" and with "the highest degree of public trust and an impeccable standard of conduct" to avoid "even the appearance of a conflict of interest."

In design-bid-build transactions, where engineering services are procured separately from the construction services, ordinarily the consulting Firm providing the engineering services is not eligible

to bid on the construction work for the Project.

No Firm or any Associate of a Firm in connection with a Transportation Project shall have, directly or indirectly, any interest, other than his employment or retention by a State or other governmental instrumentality, in any Contract in connection with such Project. No firm or an Associate of a Firm shall have, directly or indirectly, any interest in any real property acquired or to be acquired for a Project unless such interest is openly disclosed upon the records of Agency and such Firm or Associate has not participated and will not participate in such acquisition for and in behalf of Agency (see 23 CFR § 1.33).

Federal Standards - National Environmental Policy Act (NEPA)

No Firm preparing or providing environmental analysis or impact documents relating to a Project, including draft and final Environmental Assessments (EA) or Environmental Impact Statements (EIS) may have a financial or other interest in the outcome of the Project. A financial or other interest in the outcome of the Project includes any known benefits other than general enhancement of professional reputation, and includes any agreement, enforceable promise, guarantee or expectation of future work on the Project as well as any indirect benefit the Firm is aware of such as if the Project would aid proposals sponsored by the Firm's other clients. Compliance with 40 C.F.R. 1506.5(c) is required, which includes the requirement for a conflict of interest disclosure statement from each Firm establishing that the Firm does not have a financial or other interest in the Project.

4. COI Considerations Related to Previous Work on Projects

No Firm that has previously performed services on behalf of Agency for a Project may be a Proposer or participate as an equity owner, team member, Subcontractor of or to a Proposer on the Project, or have a financial interest in any of the foregoing entities with respect to the Project, unless Agency is satisfied in its sole discretion that:

(a) such services were completed prior to initiation of the Procurement for the Project (exceptions may apply for NEPA services on a case-by-case evaluation of the project specifics against the applicable CFRs),

(b) such services included only Low Level Documents and did not include development of instructions to offerors or evaluation criteria for the RFP,

(c) such services did not provide the Firm with access to or knowledge of Agency confidential or inside information that could provide an unfair competitive advantage with respect to the Procurement,

(d) the prior Contract and information provided to the Firm in the performance of its services are either irrelevant to the Procurement or are available on an equal and timely basis to all Proposers,

(e) the work product from the Firm incorporated into or relevant to the Procurement is available through Public Disclosure on an equal and timely basis to all Proposers, and

(f) any environmental documents prepared by the Firm have been determined to be objective, and that the Agency demonstrated independent decision-making authority during the environmental process.

In such instances where Agency is satisfied in the manner described above, Agency may still, in its sole discretion, restrict the scope of Procurement services for which the Firm shall be eligible to perform in order to further the intent and goals of these COI Guidelines.

Public Disclosure of services or products is an important consideration in determining if an Organizational Conflict Of Interest exists. All COI Disclosure Forms will be considered public records.

5. COI Disclosure Process

A Firm shall certify its conformance with these COI Guidelines at the time of submitting a proposal to Agency or entering into a Contract with Agency. If submittal of COI Disclosure Form(s) is required per these COI Guidelines or a specific Procurement or Contract, a Firm shall represent the correctness of a completed COI Disclosure Form. If a Firm has any changes to its staffing or organization (whether before or after entering a Contract) that result in an Actual, Apparent or Potential Conflict Of Interest (Individual or Organizational) per these COI Guidelines or per the criteria of any COI form associated with a particular Procurement or Contract, any such changes shall be disclosed within 10 business days via submittal of a Correct and signed COI Disclosure Form.

A Firm shall assure that any COI Disclosure Form it submits includes any information required to be disclosed by its Subcontractors and other Associates, on behalf of the Firm. A Firm may submit either the Subcontractors' separate COI Disclosure Forms or incorporate Subcontractor information into its own COI Disclosure Form. The disclosure required with the proposal applies to the prime and all proposed Subcontractors that are identified or anticipated at the time of proposal submission.

The identification, assessment, and management of Actual or Potential Conflicts Of Interest are joint tasks among Agency, the Firm and the Firm's team. A Firm must work together with Agency in an atmosphere of candor and accountability during the period of negotiation or performance of the Contract with Agency. Agency makes the final determination as to the adequacy of any COI disclosures or COI management plan offered by the Firm.

Agency's COI determination is based on a number of factors such as:

- ✓ Situational Facts – description of the situation and all known facts specific to the actual or perceived COI
- ✓ Type of Work - specific product or service and Contract(s) involved
- ✓ Relationship to Management - specific interactions with Agency decision-makers
- ✓ Public Disclosure - timing and availability of product or service

The specific facts disclosed in any COI situation will be unique to that situation. Therefore, the decisions and conclusions reached in one situation may or may not be directly applicable to another. For example, the definition of "low-level" documents does not isolate a Firm producing them from a potential COI situation. The ultimate determination will take into account the other factors described above.

6. Examples of Conflict of Interest Situations

Agency offers the following examples to better illustrate conflict of interest situations that may arise during the course of the performance of a Personal Services Contract or a Price Agreement and any WOC entered into between Agency and a Firm, or during any Agency Procurement process, in order to provide guidance to Firms as they determine if their specific situations warrant disclosure, evaluation, and management.

1. A Design-Build solicitation requires the responding teams to propose how to manage site features that were uncovered by a geotechnical engineering Firm. The Firm's reports to Agency on the Project are available to the public. A multi-specialty engineering Firm that is the parent company of the geotechnical engineering Firm submits a proposal to design

the overall Project. Depending on the particular mitigating facts, Agency might determine in writing that the multi-specialty engineering Firm is eligible to propose.

2. Agency seeks comprehensive project management services for a series of Transportation Projects. One of the proposing Firms employed a senior official from Agency who played a significant role in providing direction for the solicitation, six months ago. Agency initially assesses this situation as a potential Organizational Conflict Of Interest and provides information to potential Proposers of this assessment through an addendum to the RFP. In its proposal, the Proposer provides mitigating information and written assurances that this individual works in an area of the company that will not be working on their program management proposal and that the individual will be isolated inside the company from any information associated with the program, will not be lobbying Agency, will not engage in any activities that would violate the Agency Code of Conduct Policy for the prescribed one year period, and for a period of two years will not have a direct beneficial interest in the contract. Depending on the particular facts, Agency might determine that, while the proposing Firm has a potential Organizational Conflict Of Interest, that conflict has been adequately mitigated and the Firm will not be disqualified from submitting a proposal.

3. Agency issues an RFP for design and oversight of an intelligent system to collect bridge tolls. The RFP provides that companies having a financial interest in the relevant telecommunications hardware will be excluded from bidding. A company under common ownership with a major electronics manufacturer desires to bid. Agency initially assesses this situation as an Organizational Conflict Of Interest, because it cannot know in advance whether the hardware products of this electronics manufacturer would be used in the Project, and Agency informs potential Proposers of its concern related to this type of conflict via addendum to the RFP. In its proposal, the company offers no mitigating facts or organizational plans that address Agency's concerns about the conflict. Depending on the particular facts, Agency determines that the company has an actual conflict of interest.

4. Agency seeks advice of an industry advisory committee to formulate the specifications for an information technology (IT) RFP. An IT Firm that participated in the advisory committee wishes to submit a proposal in response to the RFP. Depending on the particular facts, Agency might determine that the role of the Firm was to represent the industry in the context of a public meeting where other Firms were invited to submit comments, and that the Firm therefore does not have an Organizational Conflict Of Interest.

5. Agency contracts with an A&E Firm to develop "low-level" documents prior to establishing a schedule for a RFP in which the "low level" documents, still under development, will be used by prospective Proposers. The A&E Firm has attended the pre-proposal meeting and wishes to propose on the RFP. Agency determines that the company has a potential Organizational Conflict Of Interest because of the fact that the low-level documents have not been made public and the Firm will still be developing the documents during the solicitation. The company then mitigates the potential conflict of interest by suspending development of new reports during the open period of the solicitation and making all data and information sources available on an Agency website prior to the RFP release. Agency determines that the potential conflict has been adequately managed and the Firm will not be disqualified from submitting a proposal or being part of the proposing team.

6. Agency contracts with a consulting Firm to assist Agency in the development of an RFP and sample Contract for a Design-Build Procurement for construction of certain Transportation Projects. The Firm has close contact with Agency decision-makers in the development of the evaluation criteria for the RFP and the proposed Contract terms, and that information is shared throughout the Firm with all management and technical personnel. The Firm will not be able to submit a proposal in the design-build Procurement, or participate as a team member with a Firm submitting a proposal in response to the RFP.

7. Agency seeks comprehensive program management services for a series of Transportation Projects. Prior to release of the RFP, Agency shared its interpretation of

the applicable conflict of interest requirements with the industry. One of the proposing Firms has a related entity with a planned interest in future design-build construction work related to the transportation program. The COI Disclosure Form does not clearly state whether the related entity is a subsidiary, major partner, Subcontractor, or affiliate of a Subcontractor. The proposing Firm describes its intent to restrict the flow of information concerning construction Projects to the related entity and thereby to its affiliate construction company but does not clarify how much information will be shared between the principal and its Subcontractors and affiliates or the controls placed on the principal-Subcontractor-affiliate relationship. Furthermore, the proposing Firm has provided mitigation information, indicating that the related entity will not participate in providing services under the program management Contract (i.e., design, source selection, award of Contract, etc.). Agency may conclude the proposing Firm does not have a conflict of interest that detracts from its eligibility for the program management award. Agency may determine that the related entity has a conflict of interest in future design-build construction work related to the bridge repair and replacement program that has not been adequately mitigated by the measures and information provided by the proposing Firm. As a result, if the proposing Firm is awarded the program management Contract, the related construction company will be ineligible for construction work under the program. This determination will depend upon the precise relationship between the related entity and the Proposer.

8. Completion of a project may encourage construction of a shopping center or industrial park from which a Firm stands to benefit. If a Firm is aware that it has such an interest in the decision on the proposal, it will be disqualified from preparing an EIS to preserve the objectivity and integrity of the NEPA process.

9. Agency issues an RFP for A&E services to prepare plans, specifications, and estimate (PS&E) to replace a bridge. The PS&E will be completed as part of a design-bid-build process. One of the A&E firms proposing on the design services owns XYZ Inc., a subsidiary that provides program management services to Agency under a separate contract. Agency's intent, as advertised in the RFP, is to use XYZ Inc. for administration and oversight of the A&E design services for the bridge replacement project. The A&E firm that is the parent of XYZ Inc. would be ineligible for award of the A&E design contract.

10. Agency issues an ITB for construction services to replace a bridge. The replacement is being done using the design-bid-build process. One of the construction firms bidding on the public improvement project owns XYZ Inc., a subsidiary that provides construction contract administration and inspection services to Agency under a separate contract. Agency's intent, as advertised in the ITB, is to use XYZ Inc. for administration and inspection of the bridge replacement project. The construction firm that is the parent of XYZ Inc. would be ineligible for award of the construction contract.

Definitions

The following definitions apply to these COI Guidelines and the Agency's COI Disclosure Form:

"Actual Conflict Of Interest" means that an individual or Firm is unable to render impartial assistance or advice to Agency, has impaired objectivity in performing the Project work, or has an unfair competitive advantage. For purposes of ORS Chapter 244, and as defined in ORS 244.020(1), "Actual Conflict of Interest" means any action or any decision or recommendation by a person acting in a capacity as a public official, the effect of which *would be* to the private pecuniary benefit or detriment of the person or the person's relative or any business with which the person or a relative of the person is associated unless the pecuniary benefit or detriment arises out of the circumstances described in the ORS Chapter 244 definition for "Potential Conflict of Interest" (see definition below).

"Affiliate" (of the Firm) means a person or entity that, directly or indirectly through one or more intermediaries, controls, is controlled by or is under common control of the Firm.

“Apparent Conflict Of Interest” means that an individual or Firm may reasonably be perceived to have an Actual Conflict of Interest or a Potential Conflict Of Interest.

“Associate” (of the Firm) means an employee, executive, director, key project personnel, consultant, contractor or Subcontractor, or any immediate family member of the foregoing.

“Authorization” (of the Contract). A public contract is authorized by a Public Official if the Public Official performed a significant role in the selection of a Firm or the execution of the Contract. A *significant role includes* recommending approval or signing of the Contract, including serving as a reference, recommending selection or serving on a selection committee or team, or having the final authorizing authority for the Contract.

“Bidder” means a legally operating business entity submitting a bid in response to a Procurement.

“Conflict Of Interest” or **“COI”** means an Individual Conflict Of Interest or Organizational Conflict Of Interest and includes an Actual, Potential, or Apparent Conflict Of Interest.

“COI Disclosure Form” means a manually signed disclosure of any Actual Conflict Of Interest, Apparent Conflict Of Interest or Potential Conflict Of Interest documented in the form of Agency’s COI Disclosure Form.

“**Correct ”** means, in the context of determining the accuracy of a COI Disclosure Form, that the form, in all material respects, is complete, accurate, not misleading, and does not omit any material information.

“**Contract”** means an Agreement to Agree (ATA), Price Agreement (PA), Work Order Contract (WOC), Purchase Order (PO), or any other contract with Agency.

“Firm” means a Proposer or Bidder under a Procurement, a consultant or contractor under a Contract, or a Subcontractor at any tier of a Proposer, consultant, or contractor, and any partner or member of any of the foregoing. A Firm includes all persons, individual or corporate, without regard to form of legal entity, and any partner or member of any of the foregoing.

“Member of the Household” (of the Public Official) means any person who resides with the Public Official.

“Individual Conflict Of Interest” means that an individual has a conflict of interest because of a financial interest, gift, or other activities or relationships with other persons including but not limited to individuals with whom the individual has business, familial or household relationships.

“Interest” (in the context of a conflict of interest) means a direct or indirect interest and includes a personal as well as financial interest.

“Low-Level Document” means A&E, non-A&E and IT program or Project related documents which provide a basic understanding of a specific aspect of the program or Project. As referred to in 23CFR 636.116 with regard to A&E and related services, “the role of the consultant or subconsultant was limited to provision of preliminary design, reports, or similar ‘‘low-level’’ documents that will be incorporated into the RFP, and did not include assistance in development of instructions to offerors or evaluation criteria”.

"Organizational Conflict Of Interest" means that a relationship or situation exists whereby a Firm or any of its Associates has past, present, or currently planned interests or activities that either directly or indirectly (through a client, contractual, financial, organizational or other

relationship) may relate to the work to be performed under the proposed Contract with Agency and which (a) diminish the Firm's or an Associate's capacity to give impartial, technically sound, objective assistance or advice, (b) may impair the Firm's or an Associate's objectivity in performing the Contract, (c) may impair Agency's objectivity in oversight of the Contractor's performance, or (d) may result in an unfair competitive advantage. It does not include the normal flow of benefits from the performance of the Contract.

"Potential Conflict Of Interest" means that an individual or Firm, as a result of current plans, may reasonably be expected to have an actual conflict of interest. For purposes of ORS Chapter 244, and as defined in ORS 244.020(11), "Potential Conflict of Interest" means any action or any decision or recommendation by a person acting in a capacity as a public official, the effect of which *could be* to the private pecuniary benefit or detriment of the person or the person's relative, or a business with which the person or the person's relative is associated, unless the pecuniary benefit or detriment arises out of the following: (a) an interest or membership in a particular business, industry, occupation or other class required by law as a prerequisite to the holding by the person of the office or position.; (b) any action in the person's official capacity which would affect, to the same degree, a class consisting of all inhabitants of the state or a smaller class consisting of an industry, occupation or other group including one of which or in which the person, or the person's relative or business with which the person or the person's relative is associated, is a member or is engaged; or (c) membership in or membership on the board of directors of a nonprofit corporation that is tax-exempt under section 501(c) of the Internal Revenue Code.

"COI Guidelines" refers to this document and all references herein.

"Procurement" means a Request for Proposals (RFP), Request for Qualifications (RFQ), Request for Information (RFI), Invitation to Bid (ITB), or any other form of solicitation or Procurement by Agency.

"Proposal" means a bid, proposal, or other submission appropriate to a Procurement.

"Proposer" means a legally operating business entity submitting a Proposal in response to a Procurement.

"Public Disclosure" means the work product or service (in connection with the preparation of a Procurement) is available for public review and analysis for a reasonable amount of time, typically at least thirty (30) calendar days.

"Public Official" means any person who is serving the State of Oregon or any of its political subdivisions or any other public body as defined in ORS 174.109 as an elected official, appointed official, employee, agent or otherwise, irrespective of whether the person is compensated for the services. (All Agency employees are Public Officials.)

"Relative" (of a Public Official) means:

- the Public Official's spouse or domestic partner;
- the children, siblings, spouses of siblings or parents of the Public Official or the Public Official's spouse; or
- any individual for whom the Public Official has a legal support obligation or for whom the Public Official provides benefits arising from the Public Official's public employment or from whom the Public Official receives benefits arising from that individual's employment.

"S**ubcontractor"** means a subcontractor or subconsultant at any tier.

"Transportation Project" or **"Project"** means any proposed or existing undertaking pertaining to highways, bridges, motor carriers, motor vehicles, public transit, rail, transportation safety, information systems, and such other programs related to transportation that are assigned to Agency

under applicable law.

BID FORM

Offer of _____ (**Bidder**), organized and existing under the laws of the State of _____ , doing business as _____, to the **CITY OF THE DALLES**, an Oregon municipal corporation.

In compliance with the Advertisement and Invitation for Bids, Bidder hereby proposes to perform all Work necessary for

CONTRACT NO. 2025-014
FIRST STREET STREETSCAPE PROJECT

in strict accordance with the solicitation and Contract Documents, within the time set forth herein, and at the prices stated below.

By submission of this Offer, each Bidder certifies (and, in the case of a joint Offer, each party certifies as to their own organization) this Offer has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Offer with any other Offer or with any competitor.

Bidder hereby agrees to commence Work under this Contract on or before a date to be specified in the Notice to Proceed and to fully complete the project by **May 1, 2027**. Bidder further agrees to pay liquidated damages of the sum calculated at the per diem rate set forth in Part 00100 of 2025 City of The Dalles Standard Specifications for Construction – General Conditions (*available here*) for each consecutive calendar day thereafter for which the Contractor is in breach of the Contract.

Bidder further states the provisions of ORS 279C.830 will be complied with.

Bidder, in supplying this Offer, acknowledges the receipt of the Contract Document package.

Bidder agrees to perform all the Work described in the Contract Documents for the following unit prices and lump sum:

Item Number	Approximate Quantity	Units	Description	Unit Price	Extended Amount
1	1	LS	Mobilization		
2	1	LS	Temporary Protection and Direction of Traffic		
3	330	SF	Temporary Signs		
4	80	HOUR	Flaggers		
5	60	EA	Railroad Flagger Services		
6	16	EA	Temporary Barricades. Type II		
7	3	EA	Temporary Barricades. Type III		
8	32	EA	Surface Mounted Tubular Markers		

9	**1130**	**LF**	**Pedestrian Channelizing Devices**		
10	**10**	**EA**	**Temporary Curb Ramp, Constructed**		
11	**2400**	**SF**	**Temporary Walks**		
12	**1**	**LS**	**Erosion Control**		
13	**1**	**EA**	**Concrete Washout Facility**		
14	**20**	**EA**	**Inlet Protection, Type 3**		
15	**1**	**LS**	**Pollution Control Plan**		
16	**1**	**LS**	**Monitoring Report**		
17	**1**	**LS**	**Construction Surveying Work**		
18	**1**	**LS**	**Removal of Structures and Obstructions**		
19	**2600**	**LF**	**Asphalt Pavement Saw Cutting**		
20	**1**	**LS**	**Clearing and Grubbing**		
21	**1700**	**CY**	**General Excavation**		
22	**190**	**SY**	**12 Inch Subgrade Stabilization**		
23	**564**	**LF**	**Mainline Video Inspection**		
24	**420**	**LF**	**8 Inch Storm Sewer Pipe, 5 FT Depth**		
25	**24**	**LF**	**10 Inch Storm Sewer Pipe, 5 FT Depth**		
26	**120**	**LF**	**15 Inch Storm Sewer Pipe, 5 FT Depth**		
27	**10**	**LF**	**3 Inch Storm Sewer Pipe, 5 FT Depth**		
28	**1**	**EA**	**Concrete Storm Sewer Manholes**		
29	**1**	**EA**	**Concrete Manholes, With Inlet**		
30	**2**	**EA**	**Concrete Manholes, Shallow**		
31	**5**	**EA**	**Concrete Inlets, Type G-1**		
32	**1**	**EA**	**Concrete Inlets, Type G-2**		
33	**10**	**EA**	**Adjusting Boxes**		
34	**1**	**EA**	**Adjusting Catch Basins**		
35	**6**	**EA**	**Connection to Existing Structures**		
36	**6**	**EA**	**Minor Adjustment of Manholes**		
37	**2**	**EA**	**Extra for Manholes Over Existing Sewers**		
38	**270**	**SY**	**Trench Resurfacing**		

39	**1**	**LS**	**Furnish Micropile Equipment**		
40	**14**	**EA**	**Micropiles**		
41	**1**	**EA**	**Micropile Verification Load Test**		
42	**1**	**EA**	**Micropile Proof Load Test**		
43	**1**	**LS**	**Reinforcement Grade 60**		
44	**1**	**LS**	**General Structural Concrete, Class 4000**		
45	**1**	**LS**	**Steel Rolled Beam**		
46	**1**	**LS**	**Retaining Wall, MSE**		
47	**2500**	**SY**	**Cold Plane Pavement Removal, 0-2 Inches Deep**		
48	**40**	**SY**	**Cold Plane Pavement Removal, 2 Inches Deep**		
49	**2700**	**TON**	**Aggregate Base**		
50	**1900**	**TON**	**Level 3, ½ Inch ACP Mixture**		
51	**230**	**TON**	**Level 3, ½ Inch ACP Mixture, In Leveling**		
52	**460**	**SY**	**Plain Concrete Pavement, Undoweled, 8 Inches Thick**		
53	**100**	**LF**	**Concrete Curbs, Modified**		
54	**1500**	**LF**	**Concrete Curbs, Curb and Gutter**		
55	**286**	**LF**	**Concrete Curbs, Curb and Gutter, Modified**		
56	**214**	**LF**	**Concrete Curbs, Low Profile Mountable Curb, Modified**		
57	**1950**	**LF**	**Concrete Curbs, Standard Curb**		
58	**225**	**LF**	**Concrete Curbs, Standard Curb, Modified**		
59	**115**	**LF**	**Asphalt Walks**		
60	**190**	**LF**	**Concrete Curbs, Mountable**		
61	**5175**	**SF**	**Concrete Driveways**		
62	**7000**	**SF**	**Concrete Walks**		
63	**4615**	**SF**	**Concrete Walks, Reinforced**		
64	**13**	**EA**	**Extra for New Curb Ramps**		
65	**210**	**SF**	**Truncated Domes on New Surfaces**		
66	**4400**	**SF**	**Unit Pavers**		
67	**1**	**EA**	**Guardrail End Pieces, Type C**		
68	**3000**	**LF**	**Longitudinal Pavement Markings - Paint**		

69	**5**	**EA**	**Pavement Legend, Type AB: Arrows**		
70	**3**	**EA**	**Pavement Legend, Type B-HS: Bicycle Lane Stencil**		
71	**33**	**SF**	**Pavement Bar. Type B-HS**		
72	**1**	**LS**	**Remove Existing Signs**		
73	**1**	**LS**	**Remove and Reinstall Existing Signs**		
74	**1**	**LS**	**Sign Support Footings**		
75	**1**	**LS**	**Pipe Sign Supports**		
76	**110**	**SF**	**Signs, Standard Sheeting, Sheet Aluminum**		
77	**1**	**LS**	**Pole Foundations**		
78	**1**	**LS**	**Conduit**		
79	**1**	**EA**	**Soil Testing**		
80	**150**	**CY**	**Topsoil**		
81	**30**	**CY**	**Soil Conditioner**		
82	**39**	**EA**	**Deciduous Trees, 2 Inch Caliper**		
83	**4**	**CY**	**Bark Mulch**		
84	**11**	**CY**	**Cinder Mulch**		
85	**4**	**SF**	**Ballast Mulch**		
86	**28**	**EA**	**Tree Grates**		
87	**192**	**LF**	**Root Barrier**		
88	**7**	**EA**	**Bicycle Rack – City Provided – Contractor Installed**		
89	**3**	**EA**	**Litter Receptacles – City Provided – Contractor Installed**		
90	**1371**	**LF**	**Ornamental Pedestrian Rail Type 1**		
91	**486**	**LF**	**Ornamental Pedestrian Rail Type 2**		
92	**86**	**LF**	**Ornamental Pedestrian Rail 8 Feet Tall**		
93	**86**	**LF**	**Ornamental Pedestrian Rail Fence Panels – City Provided**		
94	**1**	**LS**	**Wood Stairs and Ramp**		
95	**1**	**LS**	**Irrigation System**		
96	**7**	**EA**	**12 Inch Connection to Existing Main**		
97	**30**	**LF**	**8 Inch Ductile Iron Pipe With Class B Backfill**		

98	**1705**	**LF**	**12 Inch Ductile Iron Pipe With Class B Backfill**		
99	**3**	**EA**	**Ductile Iron Pipe Tees, 12 Inch**		
100	**4**	**EA**	**Ductile Iron Pipe Bends, 12 Inch**		
101	**2**	**EA**	**6 Inch Gate Valve**		
102	**8**	**EA**	**12 Inch Gate Valve**		
103	**1**	**EA**	**Hydrant Assemblies**		
104	**5**	**EA**	**¾ Inch Water Service Connections**		
105	**119**	**LF**	**¾ Inch Water Service Connection Piping**		
106	**60**	**LF**	**1 Inch Irrigation Service Connection Piping**		
107	**5**	**EA**	**Relocate ¾ Inch Water Meter Assembly**		

Total Bid Amount: $_____

Bidder acknowledges, through the submission of this Offer, the Work to be performed for this Project shall require close coordination with the City of The Dalles and its other contractors.

_____ _____ _____ _____

Bidder *Name* *Title* *Date*

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM

Project No.: 2025-014
Project Name: First Street Streetscape Project
Bid Closing: 2:00 p.m. on November 13, 2025

This Form must be submitted at the location specified in the Invitation to Bid on the advertised bid closing date and within two (2) working hours after the advertised bid closing time.

List below the name of each subcontractor potentially furnishing labor or materials and is required to be disclosed, the category of Work the subcontractor would be performing, and the dollar value of the subcontract. Enter ***NONE*** if there are no subcontractors requiring disclosure consistent with Oregon Public Contracting Code. *Attach additional sheets if needed.*

Subcontractor	Category of Work	Dollar Value

Failure to submit this Form by the disclosure deadline will result in a nonresponsive Bid which will not be considered for award.

Bidder	*Name*	*Title*	*Date*

CERTIFICATION OF NON-DISCRIMINATION

Project No.: 2025-014
Project Name: First Street Streetscape Project

Discrimination in subcontracting is prohibited pursuant to ORS 279A.110(1). Any contractor contracting with the City of The Dalles (**City**) shall not discriminate in awarding a subcontract against a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business owned by a service-disabled veteran, or an emerging small business.

Consistent with ORS 279A.110(4), through the signature of the authorized representative of the Bidder below, the Bidder hereby certifies to the City it has not discriminated against a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business owned by a service-disabled veteran, or an emerging small business in obtaining any subcontracts and, if awarded the Contract for which its Bid was submitted, will not so discriminate.

If the City awards the Contract to a Bidder and the Bidder violates this Certification, the City may regard the violation as a breach of contract permitting the City to terminate the Contract or exercise any other remedies reserved in the Contract, all consistent with ORS 279A.110(5).

_____	_____	_____	_____
Bidder	*Name*	*Title*	*Date*

BID SECURITY

KNOW ALL PEOPLE BY THESE PRESENTS that we, _____, as Principal (**Contractor**), and _____, a corporation organized and existing under the laws of the State of _____ and duly authorized to transact a SURETY business in the State of Oregon, as surety (**SURETY**), are held and firmly bound unto the **CITY OF THE DALLES**, an Oregon municipal corporation, in the full sum of ten (10) percent of the total amount of Contractor's OFFER for the Work hereinafter described, for the payment of which, well and truly to be made, we bind ourselves, our heirs, executors, administrators and assigns, and successors and assigns, firmly by these presents.

THE CONDITIONS of this obligation are such that, whereas Contractor is herewith submitting to the CITY OF THE DALLES a certain OFFER for the following Work, to wit:

CONTRACT NO. 2025-014
FIRST STREET STREETSCAPE PROJECT

said OFFER and its solicitation, by this reference being made a part hereof.

NOW, THEREFORE, if the said OFFER submitted by Contractor is accepted and the Contract for said Work be awarded to Contractor, and if Contractor enters into and executes said Contract and furnishes bonds as required within the time required, then this obligation shall be void; otherwise, to remain in full force and effect expressly with the expectation that the CITY OF THE DALLES may force Surety's forfeiture of the full sum without regard to direct damages caused or potentially caused by Contractor's failure to enter a contract for the Work and furnishes bonds as required within the time required.

Signature page follows.

IN WITNESS WHEREOF, Contractor and SURETY have caused these presents to be signed and sealed this _____ day of _____, 2025.

_____

PRINCIPAL

BY

_____

TITLE

_____

_____

SURETY

BY

_____

Attorney-in-Fact

NOTE

If the Principal is operating under an assumed business name there must also be set forth in the first paragraph of the bond, the names of all the partners or the individuals owning the business, and the bond must be executed by one of them.

If the Principal is a corporation, the bond must be executed by one of the officers authorized to execute bonds, showing the officer's official title and the seal of the corporation.

STATE OF OREGON

STATUTORY PUBLIC WORKS BOND

Surety bond #: _____ CCB # (if applicable): _____

We, _____, as principal, and

_____, a corporation qualified and authorized to do business in the State of Oregon, as surety, are held and firmly bound unto the State of Oregon for the use and benefit of the Oregon Bureau of Labor and Industries (BOLI) in the sum of thirty thousand dollars ($30,000) lawful money of the United States of America to be paid as provided in ORS chapter 279C, as amended by Oregon Laws 2005, chapter 360, for which payment well and truly to be made, we bind ourselves, our heirs, personal representatives, successors and assigns, jointly and severally, firmly by this agreement.

WHEREAS, the above-named principal wishes to be eligible to work on public works project(s) subject to the provisions of ORS chapter 279C, as amended by Oregon Laws 2005, chapter 360, and is, therefore, required to obtain and file a statutory public works bond in the penal sum of $30,000 with good and sufficient surety as required pursuant to the provisions of section 2, chapter 360, Oregon Laws 2005, conditioned as herein set forth.

NOW, THEREFORE, the conditions of the foregoing obligations are that if said principal with regard to all work done by the principal as a contractor or subcontractor on public works project(s), shall pay all claims ordered by BOLI against the principal to workers performing labor upon public works projects for unpaid wages determined to be due, in accordance with ORS chapter 279C, as amended by Oregon Laws 2005, chapter 360, and OAR Chapter 839, then this obligation shall be void; otherwise to remain in full force and effect.

This bond is for the exclusive purpose of payment of wage claims ordered by BOLI to workers performing labor upon public works projects in accordance with ORS chapter 279C, as amended by Oregon Laws 2005, chapter 360.

This bond shall be one continuing obligation, and the liability of the surety for the aggregate of any and all claims which may arise hereunder shall in no event exceed the amount of the penalty of this bond.

This bond shall become effective on the date it is executed by both the principal and surety and shall continuously remain in effect until depleted by claims paid under ORS chapter 279C, as amended by Oregon Laws 2005, chapter 360, unless the surety sooner cancels the bond. This bond may be cancelled by the surety and the surety be relieved of further liability for work performed on contracts entered after cancellation by giving 30 days' written notice to the principal, the Construction Contractors Board, and BOLI. Cancellation shall not limit the responsibility of the surety for the payment of claims ordered by BOLI relating to work performed during the work period of a contract entered into before cancellation of this bond.

IN WITNESS WHEREOF, the principal and surety execute this agreement. The surety fully authorizes its representatives in the State of Oregon to enter into this obligation.

SIGNED, SEALED AND DATED this _____ day of _____, 20 _____

Surety by:	Principal by:
_____ (Seal)	_____
Company Name	*Name*
_____	_____
Signature	*Signature*
_____	_____
Title (e.g. Attorney-in-Fact)	*Title*
_____	_____
Address	*Address*
_____	_____
City State Zip	*City State Zip*

SEND BOND TO: **Construction Contractors Board**
PO Box 14140
Salem, OR 97309-5052
Telephone: (503) 378-4621

PERFORMANCE BOND

Bond Number: _____

Amount: $XXXX

KNOW ALL PEOPLE BY THESE PRESENTS that we, [contractor name], as Principal (**Contractor**), and _____ a corporation organized and existing under the laws of the State of _____, and duly authorized to transact a SURETY business in the State of Oregon, as SURETY, are held and firmly bound unto the **CITY OF THE DALLES**, an Oregon municipal corporation, in the sum of [contract amount written out] Dollars [contract amount in dollars($XXXX)], lawful money of the United States of America, for the payment whereof well and truly to be made, we and each of us, jointly and severally, bind ourselves, our and each of our heirs, executors, administrators, successors and assigns firmly by these presents.

THE CONDITIONS of this obligation are such that, whereas the above Principal did enter into a Contract with the City of The Dalles for **Project No. 2025-014 (*First Street Streetscape Project*)**, which Contract is made a part hereof as if fully copied herein;

NOW, THEREFORE, if the said principal faithfully, punctually and completely performs and abides by all covenants and conditions of said Contract, and with all laws, ordinances, regulations, and orders of the State of Oregon and the City of The Dalles, and the agencies and bureaus thereof, directly or indirectly governing or applicable to the Principal's performance under the said Contract, including but not limited to the requirements of Oregon Revised Statutes Chapter 279 relating to public contracts, which hereby is made a part hereof as if fully copied herein, then this obligation shall be null and void, otherwise to be in full force and effect.

SURETY agrees (1) that any extension of time allowed said Principal for completion of work or for delivery under the said contract shall not impair this obligation or reduce any period of maintenance or warranty provided in said Contract; (2) that any change made in the terms or provisions of said contract increasing the price to be paid to Principal, without notice to the SURETY shall not impair this obligation, PROVIDED that all such increases shall not in the aggregate exceed twenty-five percent (25%) of the original Contract Price without consent of the SURETY, however, any such change shall not increase the obligation of the SURETY hereunder; and (3) that this obligation shall continue to bind the said Principal and SURETY notwithstanding successive payment made hereunder for successive breaches, until the full amount of the said obligation is exhausted.

Signature page follows.

IN WITNESS WHEREOF, the Principal and Surety have caused these presents to be executed on this _____ day of _____, 2025.

_____

PRINCIPAL

BY

_____

TITLE

_____

_____

SURETY

BY

_____

Attorney-in-Fact

NOTE

If the Principal is operating under an assumed business name there must also be set forth in the first paragraph of the bond the names of all the partners or the individuals owning the business, and the bond must be executed by one of them.

If the Principal is a corporation, the bond must be executed by one of the officers authorized to execute bonds, showing the officers official title and the seal of the corporation.

PAYMENT BOND

Bond Number: _____

Amount: $XXXX

KNOW ALL PEOPLE BY THESE PRESENTS that we, [contractor name], as Principal (**Contractor**), and _____, a corporation organized and existing under the laws of the State of _____ and duly authorized to transact a SURETY business in the State of Oregon, as SURETY, are held and firmly bound unto the **CITY OF THE DALLES**, an Oregon municipal corporation, in the sum of [contract amount written out] Dollars [contract amount in dollars($XXXX)], lawful money of the United States of America, for the payment whereof well and truly to be made, we and each of us, jointly and severally, bind ourselves, our and each of our heirs, executors, administrators, successors and assigns firmly by these presents.

THE CONDITIONS of this obligation are such that, whereas the above Principal did enter into a Contract with the City of The Dalles for **Project No. 2025-014 (*First Street Streetscape Project*)**, which Contract is made a part hereof as if fully copied herein;

NOW, THEREFORE, if the said principal faithfully, punctually and completely performs and abides by all covenants and conditions of said Contract, and with all laws, ordinances, regulations, and orders of the State of Oregon, the City of The Dalles, and the agencies and bureaus thereof, directly or indirectly governing or applicable to the Principal's performance under the said Contract, including but not limited to the requirements of Oregon Revised Statutes Chapter 279 relating to public contracts, which hereby is made a part hereof as if fully copied herein, and shall make payment promptly, as due, to the City of The Dalles and all other public entities as may be required, and to all subcontractors and to all persons supplying to the Principal or its subcontractors, equipment, supplies, labor, or materials for the prosecution of the work or any part thereof, provided for in said Contract, then this obligation shall be null and void, otherwise to be in full force and effect.

SURETY agrees (1) that any extension of time allowed said Principal for completion of work or for delivery under the said contract shall not impair this obligation or reduce any period of maintenance or warranty provided in said Contract; (2) that any change made in the terms or provisions of said contract increasing the price to be paid to Principal, without notice to the SURETY shall not impair this obligation, PROVIDED that all such increases shall not in the aggregate exceed twenty-five percent (25%) of the original Contract Price without consent of the SURETY, however, any such change shall not increase the obligation of the SURETY hereunder; and (3) that this obligation shall continue to bind the said Principal and SURETY notwithstanding successive payment made hereunder for successive breaches, until the full amount of the said obligation is exhausted.

Signature page follows.

IN WITNESS WHEREOF, the Principal and Surety have caused these presents to be executed on this _____ day of _____, 2025.

_____

PRINCIPAL

BY

_____

TITLE

_____

_____

SURETY

BY

_____

Attorney-in-Fact

NOTE

If the Principal is operating under an assumed business name there must also be set forth in the first paragraph of the bond, the names of all the partners or the individuals owning the business, and the bond must be executed by one of them.

If the Principal is a corporation, the bond must be executed by one of the officers authorized to execute bonds, showing the officer's official title and the seal of the corporation.

EXHIBIT A

FORM OF CONTRACT

FIRST STREET STREETSCAPE PROJECT
CONTRACT NO. 2025-014

PUBLIC WORKS AGREEMENT

Contractor	[NAME]
Consideration	$[AMOUNT]
Effective Date	[DATE]
Completion Date	May 1, 2027
Project/Services	***Project No. 2025-014 First Street Streetscape Project***

This PUBLIC WORKS AGREEMENT (**Agreement**) is entered by the City of The Dalles, an Oregon municipal corporation (**City**) and [contractor], an [entity] (**Contractor**), for Contractor's provision of construction services to the City for the *First Street Streetscape Project* (**Project**).

WHEREAS, the City requires performance of certain public works described in the City's *Invitation to Bid* for **Project No. 2025-014**, including all addenda (**ITB**), incorporated herein by this reference; and

WHEREAS, Contractor desires to perform those certain public works and services pursuant to the compensation and conditions set forth herein.

NOW, THEREFORE, in consideration of both the provisions set forth herein and other good and valuable consideration, the receipt and sufficiency of which is here acknowledged, the Parties agree:

A. CONTRACTOR'S DUTIES.

1. **Scope of Work**. Contractor agrees, at its expense, to furnish all labor, equipment, materials, expertise, tools, supplies, insurance, licenses, reference and background data and information, including subcontractors approved under this Agreement, and provide any equipment necessary to perform all tasks described in the ITB and in Contractor's bid and scope of work, attached to and made part of this Agreement as **Exhibit A** (together, and with any change orders described in Section I(K)(7) of the ITB, the **Work**). The Parties agree the Work shall be interpreted broadly to the City's benefit: Contractor agrees to perform all subordinate tasks not explicitly referenced in the ITB or **Exhibit A** but necessary to fully and effectively perform all of those specifically solicited or listed tasks.

2. **Examination**. Contractor represents that it has examined the Project site and the contract documents connected with the solicitation for this Work prior to its submittal of its bid. The Parties agree Contractor's submission of a bid for this Agreement's award is expressly considered prima facie evidence Contractor made such an examination and is satisfied as to the conditions to be encountered in its performance of the Work and as to the requirements of the contract documents. Contractor agrees to protect itself in the unit prices or the lump sum proposed on the Work. Contractor agrees its failure to visit or thoroughly familiarize itself with the labor, equipment, and material required, the difficulty of the conditions involved, or the scope of the project or the Work shall neither relieve Contractor of its obligation to complete the Work and perform under this Agreement for the price proposed nor entitle Contractor to a price adjustment.

3. **Insurance and Indemnity**.

a. ***Insurance***. Contractor agrees, at its expense, to carry and maintain in effect throughout this Agreement's term (and—for completed operations—for 5 years following substantial completion of the Work) at least the following coverage policies:

(i) **Workers' Compensation** coverage provided by SAIF (or another insurer authorized to write Workers' Compensation in Oregon) and at the statutory limits;

(ii) **Employer's Liability** not less than $1,000,000 (*each accident*), $1,000,000 disease (*policy limit*), and $1,000,000 disease (*each employee*);

(iii) **Commercial General Liability** (**CGL**) written on an *occurrence* form, including premises/operations, products-completed operations, broad contractual liability, and independent contractors, and affirmatively evidencing no exclusions for explosion/collapse/underground (X-C-U), subsidence/earth movement, open trench/roadwork, or traffic control, not less than $1,000,000 (*per occurrence*), $2,000,000 (*general aggregate*), $2,000,000 (*products-completed operations aggregate*). Contractor agrees its **CGL** policy must be primary and non-contributory to any insurance or self-insurance maintained by the City and shall include a per-project aggregate endorsement. Contractor agrees its **CGL** shall maintain products-completed operations coverage in effect for 5 years following the Work's substantial completion (which may be satisfied by keeping either the underlying policy or a qualified **Umbrella or Excess Liability** coverage in force).

(iv) **Contractors Pollution Liability** insurance not less than $2,000,000 (*per claim*) and $2,000,000 (*in aggregate*), covering jobsite operations (including mold/microbial matter), transportation of materials to and from the site, and non-owned disposal sites. The City will accept coverage to be written on an occurrence or claims-made form; provided, however, if written on a claims-made form, the policy must include a retroactive date on or before the commencement of any Work and include a three-year tail following the Work's substantial completion;

(v) **Asbestos/Lead Abatement Liability** insurance (only if included in the Work, otherwise the **Contractors Pollution Liability** coverage described in subsection (iv) herein is sufficient) that is either:

(a) an abatement-specific liability policy with limits not less than $2,000,000 (*per occurrence*) and $3,000,000 (*in aggregate*) written on:

(1) a full occurrence form;

(2) a limited occurrence form with at least a three-year tail; or

(3) a claims-made form with a three-year tail; or

(b) **Contractors Pollution Liability** that expressly includes asbestos/lead abatement with limits not less than those described in subsection (iv) herein;

(vi) **Commercial Automobile Liability** (**Auto**) covering all owned, hired, and non-owned vehicles with a combined single limit of $500,000 (*per accident*). Contractor shall schedule **Auto** under its **Umbrella or Excess Liability** policy so that the total protection equals or exceeds the tower required by subsection (vii) herein; provided, however, if the **Umbrella or Excess Liability** underwriter requires $1,000,000 underlying **Auto**, Contractor may satisfy the difference by Umbrella drop-down or by purchasing higher **Auto** limit;

(vii) **Umbrella or Excess Liability** that is occurrence-based, follow-form over **CGL**, **Auto**, and **Employer's Liability** with limits not less than $10,000,000 (*per occurrence and aggregate*). Any **Umbrella or Excess Liability** coverage shall not restrict or negate ***Additional Insured*** status (including completed operations), primary and non-contributory status, or waivers of subrogation granted by underlying policies. Contractor shall provide the declarations page, the schedule of underlying policies and limits, and wording confirming follow-form status over **CGL**, **Auto**, and **Employer's Liability**; and

(viii) **Contractor's Professional Liability (Errors & Omissions)** not less than $1,000,000 (*per claim*) and $2,000,000 (*in aggregate*), written on a claims-made basis with a retroactive date on or before *Notice to Proceed* and a three-year tail following the Work's substantial completion. This requirement applies where Contractor or its subcontractors perform or delegate professional services (e.g., engineered temporary works/falsework/shoring/underpinning, dewatering/groundwater control, Maintenance and Protection of Traffic (MPT)/traffic-control design, PE-stamped shop drawings, survey/layout, etc.). Professional design subcontractors shall carry **Professional Liability** coverage with not less than these limits and tail.

b. ***Certificates, Endorsements, and Policies***. Prior to commencement of any Work, Contractor agrees to provide the City with certificates of insurance and copies of the required endorsements as described in this subsection. Contractor agrees to provide copies of any insurance policy contemplated by this Agreement promptly upon the City's request. Contractor agrees to provide the City *thirty* (30) *days'* written notice before cancelling, modifying, or materially reducing any insurance policy contemplated by this Agreement and further agrees its failure to notice the City of cancellation, modification, or reduction to any insurance policy contemplated by this Agreement is, at the City's sole discretion, grounds for immediate termination of this Agreement.

(i) **Additional Insured**. Contractor agrees to include the *City of The Dalles, its employees, officials, and agents* and *Columbia Gateway Urban Renewal Agency, its employees, officials, and agents* (**Agency**) as ***Additional Insureds*** (primary and noncontributory with respect to any insurance or self-insurance maintained by the City or Agency) to the extent permitted by applicable law on the following policies:

(a) **CGL** (for *ongoing and completed operations*);

(b) **Commercial Automobile Liability** (*Additional Insured endorsement*); and

(c) **Contractors Pollution Liability** (and, if applicable **Asbestos/Lead Abatement**) (*Additional Insureds by manuscript or carrier form, including completed operations/tail where available*).

(ii) **Additional Insured – Railroad**. For any Work on, over, under, within, or affecting Union Pacific Railroad (**UPRR**) right-of-way, Contractor shall include *Union Pacific Railroad Company* as ***Additional Insured*** on Contractor's **CGL** (*ongoing and completed operations*) and any **Umbrella or Excess Liability** coverage (to the extent available) on a primary and non-contributory basis, using ISO CG 20 10 and ISO CG 20 37 (or equivalent), and the **Umbrella or Excess Liability** coverage shall not restrict or negate such status.

(iii) **Waiver of Subrogation**. Contractor agrees all insurance policies contemplated by this Agreement (other than the City-provided **Builder's Risk** policy) shall include waivers of subrogation in favor of the City, the Agency, and—for any Work on, over, under, within, or affecting UPRR right-of-way—UPRR. Any **Umbrella or Excess Liability** coverage used to satisfy required limits shall be follow-form and shall not restrict or negate waivers granted in the underlying policies.

(iv) **City-Provided Builder's Risk – Evidence**. The City agrees to provide evidence of **Builder's Risk** insurance for the Project and will include Contractor and all subcontractors of any tier as ***Insureds*** for their interests in the Work. The City will be ***Named Insured*** and ***Loss Payee***. Coverage will apply to on-site, off-site (including temporary storage), and in-transit property. The detailed terms, conditions, and sublimits of the **Builder's Risk** policy are set forth in Section 3(f).

(v) **Railroad Right-of-Way Work**. For any Work on, over, under, within, or affecting UPRR right-of-way, Contractor shall abide the provisions of this subsection (v). All policies contemplated by this subsection (v) shall be issued by insurers rated A- (VII) or better by A.M. Best and, where lawful, shall not contain any punitive damages exclusion. Contractor shall send all certificates, endorsements, and any requested binders contemplated by this subsection (v) directly to UPRR (***with copies to the City***) at:

Union Pacific Railroad Company
Attn: Public Projects Manager
1400 Douglas Street, STOP 1690
Omaha, NE 68179

(a) *RPL Policy*. Contractor shall procure **Railroad Protective Liability** with limits not less than $2,000,000 (*per occurrence*) and $6,000,000 (*in aggregate*) and naming *Union Pacific Railroad Company* (**UPRR**) as ***Named Insured***, written on ISO CG 00 35 12 04 (or equivalent) with the Job Location/Work referencing this Project. The declarations shall list the *Designated Job Location* and *Work* by reference to this Project.

(b) *Endorsements*. Contractor shall endorse its **CGL** with **Contractual Liability – Railroads** (ISO CG 24 17 10 01, or equivalent) and **Per-Project Aggregate** (ISO CG 25 03, or equivalent). Contractor shall endorse its **Auto** with

Coverage for Certain Operations in Connection with Railroads (ISO CA 20 70 10 01, or equivalent) and add **MCS-90** where required by law.

(c) *Additional Insured*. Contractor shall provide ***Additional Insured*** status to UPRR on **CGL** (*ongoing and completed operations*) and, to the extent available, on **Umbrella or Excess Liability** coverage via ISO CG 20 10 and ISO CG 20 37 (or equivalent) on a primary and non-contributory basis.

(d) *Higher Limits*. Where UPRR requires higher limits than the City's minimums (e.g., **CGL** or **Auto** up to $5,000,000 per occurrence, as shown in **Exhibit E** to the ITB), Contractor agrees to furnish limits meeting UPRR's minimums for the railroad portion of the Work (by primary or follow-form umbrella) at no additional cost to the City. Contractor further agrees to provide UPRR with the certificates and endorsements further described in **Exhibit E** to the ITB and comply with any UPRR waiver-of-subrogation and cancellation-notice requirements applicable to Work on UPRR property.

(vi) **Condition Precedent – Railroad Work**. Contractor shall not commence any Work on, over, under, within, or affecting UPRR right-of-way until (a) the required UPRR right-of-entry/Contractor endorsement agreement(s) are fully executed and (b) UPRR confirms receipt and acceptance of Contractor's required insurance under this Agreement.

c. ***Subcontractor Insurance***.

(i) **General Work**. Contractor agrees to require its subcontractors performing Work under this Agreement to carry and maintain in effect throughout this Agreement's term coverages, limits, and endorsements no less protective than those required of Contractor under this Agreement, including additional insureds, primary and noncontributory, and waiver of subrogation in favor of the City. Contractor further agrees to require those subcontractors to provide Contractor with certificates of insurance as evidence of coverage and (upon City's request) provide the City or the Agency with certificates of insurance for any subcontractor performing Work under this Agreement. The Parties agree this subsection survives the expiration or sooner termination of this Agreement.

(ii) **Railroad-Specific Work**. For any subcontractor performing Work on, over, under, within, or affecting UPRR right-of-way, Contractor shall require the subcontractor to (a) add Contractor and UPRR as ***Additional Insureds*** on **CGL** (*ongoing and completed operations*) and, to the extent available, **Umbrella or Excess Liability** coverage (ISO CG 20 10 & CG 20 37 or equivalent), (b) endorse **CGL** with ISO CG 24 17 (or equivalent), and (c) endorse Auto with ISO CA 20 70 (or equivalent), and shall furnish evidence of satisfying these requirements to UPRR (with copy to the City) promptly upon request.

d. ***Workers' Compensation***. Contractor agrees it is solely responsible for maintaining proper and adequate Workers' Compensation coverage. If Contractor's insurance does not cover each and every subcontractor, certificates of insurance issued on policies covering each and every subcontractor shall be filed with the City prior to commencement of the Work, including any subcontract operations. Contractor shall

provide the City with evidence it is either a *self-insured employer* or a *carrier-insured employer* for Workers' Compensation pursuant to ORS Chapter 656 prior to commencing any Work.

e. ***Indemnity***. Contractor agrees to indemnify, defend, and hold harmless the City, its officers, agents, and employees and the Agency, its officers, agents, and employees against all liability, loss, and costs arising from actions, suits, claims, or demands for Contractor's (including Contractor's officers, agents, employees, and subcontractors) acts or omissions in the performance of this Agreement; provided, however, in no event does Contractor agree to such indemnification, defense, or holding harmless due to the City's or the Agency's sole negligence.

f. ***City-Provided Builder's Risk (Course of Construction)***.

(i) **Form and Insureds**. The City agrees to procure **Builder's Risk** (*special-perils/all-risk*) covering the Work. The City is the ***Named Insured*** and ***Loss Payee***. Contractor and all subcontractors of any tier are ***Insureds*** for their interests in the Work. The policy shall include severability of interests and a waiver of subrogation in favor of all Insureds.

(ii) **Limit and Valuation**. The City agrees the policy limit will not be less than the Contract Price plus *ten* (10%) *percent* for changes and escalation. The City also agrees coverage shall be provided on a replacement-cost basis and written on an agreed value basis so that no coinsurance applies. The policy may be issued on a reporting form.

(iii) **Covered Property**. Covered property shall include the Work in place, temporary works, falsework, shoring, and formwork. The policy shall cover scaffolding, fencing, and construction-related site structures. The policy shall also cover underground property (including new utilities and structures). The policy shall cover paving, curbs, and sidewalks. The policy shall further cover owner-furnished materials and property kept in off-site storage locations. The policy shall cover property while in transit to the site. The policy shall include coverage for resultant physical loss or damage that occurs during testing and commissioning of mechanical or electrical elements.

(iv) **Exclusions and Carve-backs**. The City agrees the **Builder's Risk** policy shall not contain exclusions that eliminate coverage for direct physical loss or damage to covered property arising from roadwork, open trench conditions, dewatering operations, underground property, temporary works, falsework, shoring, or collapse, provided the loss would otherwise be covered under the policy, and shall not exclude theft or water intrusion where loss would otherwise be covered . The policy is not intended to insure third-party buildings; provided, however, the policy shall extend coverage to resultant physical loss or damage to existing City- or Agency-owned structures and City- or Agency-owned utilities that are located within the public right-of-way when such loss or damage is caused by a covered peril. The Parties agree that faulty workmanship or faulty design will remain excluded except for resultant physical loss or damage to covered property.

(v) **Catastrophic Events and Sublimits**. The City may include Flood coverage and Earthquake coverage. Any such coverage may be subject to sublimits and deductibles selected by the City. Target minimum sublimits shall be as follows: Debris Removal in an amount not less than $1,000,000; Expediting and Extra Expense in an amount not less than $500,000; Temporary Works and Falsework in an amount not less than $2,000,000; Ordinance or Law (Coverage A, B, and C) in a *combined aggregate* amount not less than $1,000,000; Testing and Commissioning in an amount not less than $1,000,000; Off-Site Storage in an amount not less than $500,000; and In-Transit Property in an amount not less than $500,000. The City may increase or otherwise adjust these sublimits by written notice to Contractor.

(vi) **Term and Use**. The City agrees coverage shall commence upon the initial delivery of covered property to the site, including delivery that occurs in connection with mobilization. Coverage shall continue until the City accepts the Work or until the Work is put to its intended use, whichever first occurs. The policy shall permit the City to occupy or use portions of the Work before final completion.

(vii) **Deductibles**. Contractor agrees to be responsible for paying the policy deductible for any loss that arises out of or results from the Work of the Contractor or the Work of Contractor's subcontractors. For losses that do not arise out of or result from such Work, the City may allocate the deductible in an equitable manner; provided, however, Contractor remains responsible for insuring its equipment, tools, and temporary facilities (because those items are not covered property).

(viii) **Claims and Cooperation**. If a loss occurs, Contractor agrees to take reasonable steps to protect the Work from further damage and to promptly notify the City of the loss. Contractor shall maintain records that document the costs incurred to protect and repair the Work. The Contractor shall cooperate fully with the City and with the Builder's Risk insurer, including providing access, information, and sworn statements that are reasonably required. The City agrees to adjust the claim in consultation with the Contractor.

4. **Payments and Retainage**.

a. ***Prompt Payment***. Contractor agrees to promptly pay as due all persons supplying labor or materials for the prosecution of services or Work arising from this Agreement: if Contractor (including subcontractors) fails, neglects, or refuses to make prompt payment of any claim for labor or services furnished to Contractor (including subcontractors), the City may pay such a claim and charge the amount of its payment against funds actually or expectedly due from Contractor plus interest at the statutory rate under ORS 82.010 (as may be amended or superseded) commencing after the ten-day period described by ORS 279C.580(4), unless payment is subject to a good faith dispute as defined in ORS 279C.580. The Parties agree payment of any claim in this manner shall not relieve Contractor or its surety from any obligations with respect to any unpaid claims. Any person supplying labor or materials in connection with this Agreement may file a complaint with the Construction Contractors Board against

Contractor (including subcontractors) stemming from Contractor's (including subcontractors') failure, neglect, or refusal to promptly pay them as due, unless payment is subject to a good faith dispute as defined in ORS 279C.580, only if the person has not been paid in full and gives written notice of claim pursuant to ORS 279C.605 to Contractor and the City.

b. ***Industrial Accident Fund***. Contractor agrees to pay all contributions or amounts due the Industrial Accident Fund from the Contractor or subcontractors incurred in the performance of this Agreement.

c. ***Labor Hours***. Contractor agrees to pay all employees at least time and half pay for all overtime worked in excess of *forty* (40) *hours* in any one work week, except for excluded individuals pursuant to ORS 653.010 to 653.261 or 29 U.S.C. 201 to 209. Contractor further agrees to abide by all other restrictions governing labor hours on public contracts pursuant to ORS 279C.540 and 279C.545, including time limitations on claims for overtime.

d. ***Medical Care***. Contractor agrees to promptly pay as due all persons, co-partnerships, associations, or corporations furnishing medical, surgical, hospital care, or other needed care and attention incident to sickness or injury to Contractor's employees, or all sums which Contractor agrees to pay for such services, and all moneys and sums which Contractor collected or deducted from the wages of its employees pursuant to any law or contract for the purpose of providing or paying for such service.

e. ***No Liens***. Contractor shall not permit any lien or claim to be filed or prosecuted against the City on account of any Work (including labor or materials) furnished under this Agreement.

f. ***Employee Withholdings***. Contractor agrees to pay to the Oregon Department of Revenue all sums withheld from its employees pursuant to ORS 316.167.

g. ***Retainage***. The Parties agree retainage shall be withheld and released in accordance with ORS 279C.550 to 279C.580, as follows:

   (i) **Retainage Generally**. Contractor agrees the City may reserve as retainage from any progress payment an amount not to exceed *five* (5%) *percent* of the payment. As Work progresses, the City may reduce the retained amount and may eliminate retainage on any remaining monthly payments after *fifty* (50%) *percent* of the Work is completed if, in the City's opinion, such Work is progressing satisfactorily. The Parties agree elimination or reduction of retainage is allowed only upon Contractor's written application, which application must include Contractor's surety's written approval; provided, however, when the Work is *ninety-seven and one-half* (97.5%) *percent* completed, the City may, at its discretion and without Contractor's application, reduce the retained amount to *one hundred* (100%) *percent* of the value of the Work remaining to be done. Upon receipt of Contractor's written application, the City agrees to respond (in writing) within a reasonable time.

(ii) **Form of Retainage**. In accordance with ORS 279C.560 and any applicable administrative rules, unless the City finds in writing accepting a bond, security, or other instrument described in options (a) or (c) below poses an extraordinary risk not typically associated with the bond, security, or instrument, the City agrees to approve Contractor's written request:

(a) to be paid amounts which would otherwise have been retained from progress payments where Contractor has deposited with the City bonds, securities, or other instruments specified in ORS 279C.560 or in a custodial account or other mutually-agreed account satisfactory to the City, with an approved bank or trust company, to be held in lieu of the cash retainage for the City's benefit. Interest or earnings on the bonds, securities, or other instruments shall accrue to the Contractor. The Contractor agrees to execute and provide such documentation and instructions respecting the bonds, securities, and other instruments as the City may require to protect its interests. To be permissible, the bonds, securities, and other instruments must be of a character approved by the City Attorney;

(b) retainage be deposited in an interest-bearing account in a bank, savings bank, trust company, or savings association for the City's benefit, with interest from such account accruing to the Contractor; or

(c) the Contractor be allowed, with the City's approval, to deposit a surety bond for the City's benefit, in a form acceptable to the City Attorney, in lieu of all or a portion of funds retained or to be retained. Such bond and any proceeds therefrom shall be made subject to all claims and liens in the manner and priority as set forth for retainage under ORS 279C.550 to ORS 279C.625. Where the City has accepted Contractor's election of any of the options above, the City may recover from Contractor any additional costs incurred through such election by reducing Contractor's final payment. Where the City has agreed to Contractor's request to deposit a surety bond under this option (c), Contractor agrees to accept like bonds from its subcontractors and suppliers from which Contractor has required retainage to support the Work.

If the City accepts bonds, securities, or other instruments deposited as provided in options (a) and (c), the City agrees to reduce the moneys held as retainage in an amount equal to the value of the bonds, securities, and other instruments and pay the amount of the reduction to Contractor in accordance with ORS 279C.570.

(iii) **Interest**. The retainage held by the City shall be included in and paid to Contractor as part of the final payment of the Contract Price. Interest shall accrue at the rate specified in ORS 279C.570(2) (as may be amended or superseded) beginning 30 days after the Work has been completed and accepted and continuing until Contractor notifies the City in writing that Contractor considers the Work complete; within 15 days after receiving that written notice, the City shall either accept the Work or notify Contractor of

Work yet to be performed. If the City does not so notify Contractor within the 15-day period, interest begins 30 days after the end of that period.

(iv) **Contractor's Retainage**. If Contractor pays a subcontractor in full, including the amount Contractor withheld as retainage, the City agrees to pay Contractor (out of the amount the City withheld from Contractor as retainage) a sum equal to the amount of retainage Contractor paid its subcontractor. Contractor agrees to notice the City in writing when it pays a subcontractor in full under this subsection and the City agrees to pay Contractor the amount due Contractor under this subsection within 15 days after it receives notice. The City agrees to pay interest at the rate specified in ORS 279C.570(2) (as may be amended or superseded) beginning 30 days after the City receives Contractor's notice of full payment to the subcontractor.

(v) **Subcontractor Retainage**. If Contractor elects to reserve a retainage from any progress payment due any subcontractor or supplier, Contract agrees such retainage shall not exceed 5% of the payment and such retainage withheld from subcontractors and suppliers shall be subject to the same terms and conditions stated in this Agreement as applicable to the City's retainage from any progress payment due Contractor; provided, however, if (in accordance with ORS 279C.560) Contractor has deposited bonds, securities, or other instruments or has elected to have the City deposit accumulated retainage in an interest-bearing account, Contractor agrees to comply with ORS 701.435 respecting the deposit of bonds, securities, or other instruments by subcontractors and suppliers and the sharing of interest earnings with subcontractors and suppliers.

5. **Prevailing Wage Rates, Retainage, and Bonds**.

a. ***Prevailing Wage Rates***. Contractor agrees to comply with the prevailing wage provisions of ORS 279C.800 through 279C.870. The Oregon Bureau of Labor and Industries (**BOLI**) determines and publishes the existing Oregon prevailing wage rates in its publication *Prevailing Wage Rates for Public Works Contracts in Oregon*. Contractor agrees to pay workers performing Work not less than the specified minimum hourly wage rate according to ORS 279C.838 and ORS 279C.840, and further specifically agrees to include this requirement in any subcontracts relating to the Work or this Agreement.

b. ***Certification and Prevailing Wage Retainage***. Contractor (including subcontractors) agrees to submit written certified statements to the City on the form prescribed by BOLI's Commissioner in OAR 839-025-0010 certifying compliance with wage payment requirements and accurately setting out Contractor's (including subcontractors') weekly payroll records for each worker performing Work. Contractor (including subcontractors) agree to preserve the certified statements for a period of *six* (6) *years* from the Completion Date. Contractor agrees the City will retain *twenty-five* (25%) *percent* of any amount earned by the Contractor under this Agreement until the Contractor has filed the certified statements required by ORS 279C.845(7). The City agrees to pay Contractor the amount retained within *fourteen* (14) *days* after Contractor files

the required certified statements, regardless of whether subcontractors failed to file certified statements.

c. ***Contractor's Prevailing Wage Retainage***. Contractor agrees to retain *twenty-five* (25%) *percent* of any amount earned by a first-tier subcontractor under this Agreement until the subcontractor files with the City the certified statements required by ORS 279C.845. Before paying any amount retained, Contractor agrees to verify the first-tier subcontractor filed the certified statement. Within *fourteen* (14) *days* after the first-tier subcontractor files the required certified statement, Contractor agrees to pay the subcontractor any amount retained.

d. ***Bonds***. Before starting any Work under this Agreement, and using the forms of bonds attached to and made part of the solicitation document for Project No. 2025-014 (and thus this Agreement) where applicable, Contractor (including its sureties) agrees:

(i) to file a *public works bond* with the Construction Contractors Board in the amount of $30,000 and consistent with ORS 279C.836, unless Contractor or its subcontractors are eligible to elect not to so file or are otherwise exempt from filing pursuant to ORS 279C.836(4), (7), (8), or (9), and further specifically agrees to include this requirement in any subcontracts relating to the Work or this Agreement;

(ii) to execute and deliver to the City Manager a *performance bond* in an amount equal to the full contract price conditioned on the faithful performance of this Agreement in accordance with its plans, specifications, and conditions; and

(iii) to execute and deliver a *payment bond* in an amount equal to the full contract price, solely for the protection of claimants under ORS 279C.600.

6. **Other**.

a. ***Solicitation***. Contractor agrees to each and every obligation or restriction imposed by the ITB. Contractor further specifically agrees such obligations or restrictions are supplemental to its duties under this Agreement. If a conflict exists between any provision of the ITB and this Agreement, the Parties agree to attempt to reconcile the apparently conflicting provisions so as to harmonize them; if the Parties fail to reasonably harmonize such provisions, the order of precedence described in ITB Section III(G) applies.

b. ***Final Inspection and Acceptance***. Upon completion, Contractor agrees to notice the City in writing it completed the Work so the City can undertake a final inspection. The City agrees to inspect the Work (and all records generated by Contractor relating to the Work) within *fifteen* (15) *days* of its receipt of Contractor's completion notice. The City agrees to either accept the work or notice Contractor of any defects or remaining performance necessary to fully complete the Work. The City agrees to provide Contractor its final acceptance of the Work once it determines all of the Work has been performed satisfactorily.

c. ***Drug Testing***. Contractor agrees to demonstrate to the City it has an employee drug testing program is in place before it commences performance of this Agreement.

d. ***Environmental Compliance***. Contractor agrees to abide all applicable ordinances, rules, and regulations dealing with the prevention of environmental pollution and the preservation of natural resources impacting the performance of this Agreement, including (without limitation) ORS Chapters 459 (*Solid Waste Management*), 459A (*Reuse and Recycling*), 465 (*Hazardous Waste and Hazardous Material I*), 466 (*Hazardous Waste and Hazardous Materials II*), *467* (*Noise Control*), 468 (*Environmental Quality Generally*), 468A (*Air Quality*), and 468B (*Water Quality*), the associated Oregon Administrative Rules promulgated by Oregon Department of Environmental Quality, plus all other reasonably similar or relevant local, state, or federal laws.

e. ***Tax Currency***. Contractor agrees (and by executing this Agreement, certifies under penalty of perjury) it is, to the best of its knowledge, not in violation of any tax laws described in ORS 305.380.

B. CITY'S DUTIES.

1. **Compensation**.

a. ***Total***. The City agrees to compensate Contractor for the Work in an amount not to exceed **$[AMOUNT]** [at the rate of $[amount]], to be paid [method].

b. ***Progress Payments***. The City agrees to make progress payments upon Contractor's completion of the Work and delivery of an invoice detailing the Work, subject to the City's approval and no more frequently than monthly. Payment shall be made only for Work actually completed as of the invoice date. The City shall pay Contractor interest on its progress payments (not including retainage) commencing *thirty* (30) *days* after receiving Contractor's invoice or *fifteen* (15) *days* after payment is approved by the City, whichever is earlier. The Parties agree ORS 279C.570(2) determines the rate of interest charged to the City for this subsection's purpose.

c. ***Satisfaction***. Contractor agrees the City's payment of an invoice releases the City from any further obligation to compensate Contractor for the Work (including expenses) incurred as of the invoice date. The Parties agree payment shall not be considered acceptance or approval of the Work or waiver of any defects therein.

d. ***Public Budgeting***. The City certifies sufficient funds are available and authorized for expenditure to finance the costs of this Agreement during the current fiscal year. The Parties agree appropriations for future fiscal years are subject to budget approval by the City Council.

2. **Other Duties**. The City agrees to reasonably satisfy any commitments it made in this Agreement's solicitation.

C. GENERAL PROVISIONS.

1. **Time**. The Parties agree time is of the essence to this Agreement's performance: Contractor's prosecution of the Work shall begin without undue delay on or after the Effective Date and shall be completed before or on the Completion Date, all as subject to Section C(8); provided, however, the Parties agree Contractor will not perform any on-site Work prior to the City's issuance of a *Notice to Proceed*, which the City agrees to send once Contractor submits all required information and documentation pursuant to this Agreement.

2. **Termination/Modification**. This Agreement's term expires naturally upon the Parties' full performance or on the Completion Date (whichever first) unless sooner modified pursuant to this Agreement. The Parties agree the City may terminate this Agreement with *seven* (7) *days'* notice and Contractor may terminate this Agreement with *thirty* (30) *days'* notice, both without penalty. The City agrees to compensate Contractor for all approved services rendered prorated to the date the City notices its intent to terminate. The Parties agree termination of this Agreement is subject to ORS 279C.655. The Parties agree this Agreement may only be modified by a written instrument duly executed by the Parties.

3. **Full Integration**. This Agreement contains the Parties' entire understanding and intent and supersedes all prior negotiations, representations, or other written or oral agreements on this matter.

4. **Independent Contractor**. The Parties agree Contractor is an *independent contractor* as defined by ORS 670.600(2) and as interpreted by regulations promulgated by BOLI. Neither the terms of this Agreement nor the course of its performance by the Parties shall be construed as implicating an employer-employee relationship. Contractor expressly warrants its exclusive agency free from City direction and control over the means and manner of completing the Work.

5. **Assignment/Delegation**. The Parties agree no Party shall assign or transfer an interest or duty under this Agreement without the other Party's written consent and any attempted assignment or delegation without written consent shall be invalid.

6. **Subcontractors**.

    a. ***List***. Contractor agrees to provide the City with a list of proposed subcontractors within *ten* (10) *days* of this Agreement's mutual execution and before awarding any subcontract connected with the Work or this Agreement, and shall not retain any subcontractor the City reasonably objects to as incompetent or unfit.

    b. ***Responsibility***. Contractor agrees it is as fully responsible to the City for its subcontractors' and employees' (whether directly or indirectly employed) negligent acts and omissions as it is for its employees' negligent acts and omissions.

    c. ***Registration***. Contractor agrees (and by executing this Agreement, certifies) all subcontractors performing Work under this Agreement will be registered with the

Construction Contractors Board in accordance with ORS 701.035 to 701.055 before they commence any Work.

d. ***No Privity***. Contractor agrees all of its subcontracts under this Agreement shall provide the Work performed under the subcontract shall be performed according to the terms of this Agreement; whether stated in the subcontract, Contractor agrees to remain solely responsible for the administration of the subcontract, including (without limitation) the performance of the subcontracted Work, progress of the subcontracted Work, payment for accepted subcontracted Work, and disputes and claims for additional compensation regarding all subcontracted Work. The Parties agree nothing in this Agreement is intended to or shall create any contractual privity between the City and any subcontractor.

e. ***Mandatory Construction Contract Clauses***. Contractor agrees to include in each subcontract for property or services it enters with a first-tier subcontractor (including a material supplier) for the purpose of performing a *construction* contract to support the Work:

(i) a payment clause obligating Contractor to pay the first-tier subcontractor for satisfactory performance under the subcontract within *ten* (10) *days* out of amounts the City pays to Contractor under this Agreement;

(ii) a clause requiring Contractor to provide a first-tier subcontractor with a standard form the first-tier subcontractor may use as an application for payment or as another method by which the subcontractor may claim a payment due from Contractor;

(iii) a clause requiring Contractor, except as otherwise provided in this subsection, to use the same form and regular administrative procedures for processing payments during the entire term of the subcontract. Contractor may change the form or the regular administrative procedures Contractor uses for processing payments if the Contractor (a) notifies the subcontractor in writing at least *forty-five* (45) *days* before the date on which Contractor makes the change and (b) includes with the written notice a copy of the new or changed form or a description of the new or changed procedure; and

(iv) an interest penalty clause obligating Contractor, if Contractor does not pay the first-tier subcontractor within *thirty* (30) *days* after receiving payment from the City, to pay the first-tier subcontractor and interest penalty on amounts due in each payment the Contractor does not make in accordance with the payment clause included in the subcontract under Section C(6)(e)(i). Contractor or its first-tier subcontractor is not obligated to pay an interest penalty if the only reason Contractor or its first-tier subcontractor did not make payment when payment was due is neither received payment from the City or Contractor when payment was due. The interest penalty (a) applies to the period beginning on the day after the required payment date and ends on the date on which the amount due is paid and (b) is computed at the rate specified in ORS 279C.515(2).

f. ***Mandatory Payment Clause***. Contractor agrees to include in each subcontract it enters with a first-tier subcontractor for the purpose of performing *any* contract to support the Work a clause requiring the first-tier subcontractor to include a payment clause and an interest penalty clause conforming to the standards of Section C(6)(e) in each of the first-tier subcontractor's subcontracts and to require each of its first-tier subcontractor's subcontractors to include such clauses in the first-tier subcontractors' subcontracts with each lower-tier subcontractor or supplier.

7. **Enforceability**. The Parties agree all disputes connected with this Agreement or its performance shall be heard in the Circuit Court of the State of Oregon for the County of Wasco and any resolutions shall be construed under the laws of the State of Oregon. If any provision of this Agreement is held invalid and unenforceable, the remaining provisions shall be valid and binding upon the Parties.

8. **Liquidated Damages**. Contractor agrees to prosecute the Work vigorously to completion and consistent with Section C(1). Contractor agrees delays in its performance under this Agreement will cause the City to sustain damages, increase risk to, inconvenience, and interfere with the public and commerce, and increase costs to taxpayers; accordingly, because the City finds it unduly burdensome and difficult to demonstrate the exact dollar value of such damages, Contractor specifically agrees to be subject to the provisions of Section 00180.85(b) of the applicable *City of The Dalles Standard Specifications for Construction – General Conditions* and pay the City (not as a penalty but as liquidated damages) the amounts determined by that Section 00180.85(b) for each day the Work remains incomplete after the expiration of the contract time or adjusted contract time applicable to that Work. The Parties further agree any such damages paid pursuant to this subsection constitute payment in full only of damages incurred by the City due to Contractor's failure to complete the Work on time.

9. **Waiver**. The Parties agree a Party's failure to insist upon strict adherence to a provision of this Agreement on any occasion shall not be considered a waiver of the Party's rights or deprive the Party of the right to thereafter insist upon strict adherence to the provision or any other provision of this Agreement.

10. **Force Majeure**. The Parties agree neither Party shall be held responsible for delay in the performance of this Agreement caused by circumstances beyond their control and making performance commercially impracticable, illegal, or impossible. The City may terminate this Agreement upon written notice after determining such delay will unreasonably prevent successful performance of this Agreement.

Continues on next.

11. **Notices**. All notices required or permitted to be given under this Agreement shall be deemed given and received *two* (2) *days* after deposit in the United States Mail, certified or registered form, postage prepaid, return receipt requested, and addressed:

To the City: City Manager
City of The Dalles
313 Court Street
The Dalles, OR 97058

To Contractor: [Name]
[Contractor]
[Address]
[Address]

IN WITNESS WHEREOF, the Parties duly execute this **PUBLIC WORKS AGREEMENT** this _____ day of _____, 2025.

CITY

_____
Matthew B. Klebes, City Manager

ATTEST:

_____
Amie Ell, City Clerk

Approved as to form:

_____
Jonathan M. Kara, City Attorney

CONTRACTOR

_____
[Name], [Title]

EXHIBIT B

CONSTRUCTION DRAWINGS

FIRST STREET STREETSCAPE PROJECT
CONTRACT NO. 2025-014

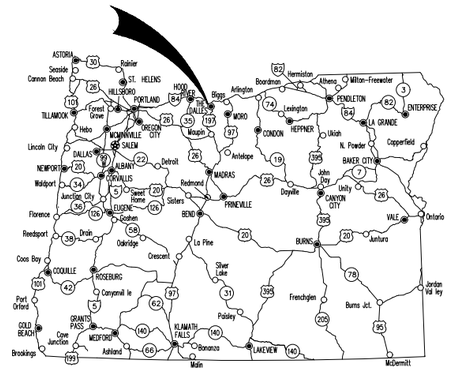
INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
A01	Title Sheet
A02	Title Sheet
A03	Plan Sheet Layout
A04	Alignment Data
A05	Easement Plan

GRADING, DRAINAGE, STRUCTURES, PAVING, SIGNING, ILLUMINATION, & ROADSIDE DEVELOPMENT

THE DALLES FIRST STREET PROJECT

THE DALLES, OREGON

WASCO COUNTY
OCTOBER 2025



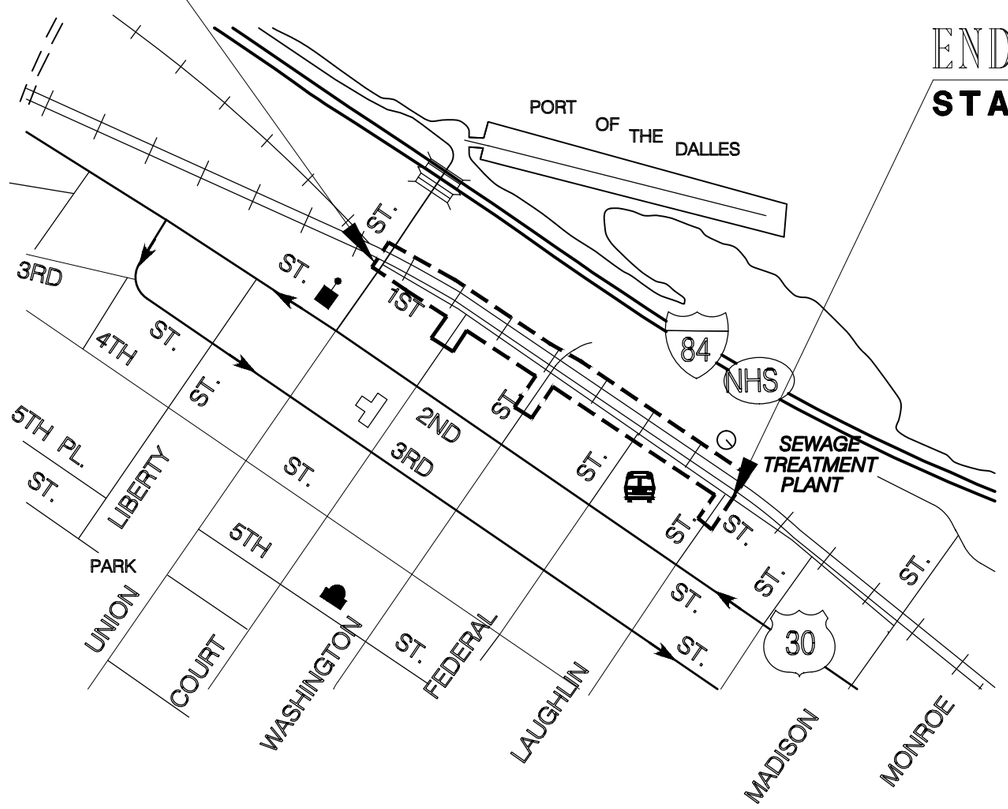
Overall Length Of Project - 0.29 Miles

ATTENTION:
Oregon Law Requires You To Follow Rules Adopted By The Oregon Utility Notification Center. Those Rules Are Set Forth In OAR 952-001-0010 Through OAR 952-001-0090. You May Obtain Copies Of The Rules By Calling The Center. (Note: The Telephone Number For The Oregon Utility Center Is (503) 232-1987.)

LET'S ALL WORK TOGETHER TO MAKE THIS JOB SAFE

BEGINNING OF PROJECT
STA. "1ST" 2+65.00

END OF PROJECT
STA. "1ST" 18+04.35



N

T. 1 N., R. 13 E., W.M.

THE DALLES FIRST STREET PROJECT
THE DALLES, OREGON
WASCO COUNTY

PROJECT NUMBER	SHEET NO.
TITLE SHEET	A01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-A01-CV.dwg TAB: A01
Plotted: 10/9/25 at 8:45pm By: pschmidtke
XREFs:

INDEX OF SHEETS, CONT'D.	
SHEET NO.	DESCRIPTION
BA01 thru BA05	Typical Sections
BB01 thru BB05	Details
BC01 thru BC06	Curb Ramp Details
D01A thru D09A	General Construction
D01B thru D09B	Drainage And Utilities
D01C thru D09C	Profile
EC01 thru EC02	Traffic Control Plan
FB01	Erosion Control Plan
FB02	Erosion Control Notes
LA01 thru LA03	Permanent Signing & Striping Plan
LB01 thru LB02	Sign Details
LC01 thru LC02	Sign & Post Data Table

LANDSCAPE	
SHEET NO.	DESCRIPTION
RA01	Streetscape Site Legend and Notes
RB01 Thru RB09	Streetscape Site Plan
RC01	Irrigation Schedule and Notes
RC02 Thru RC10	Irrigation Plan
RD01 Thru RD06	Streetscape Site Details
RD07 Thru RD08	Irrigation Details

STRUCTURAL - WALLS	
SHEET NO.	DESCRIPTION
GB01 thru GB04	Wall A Plan and Profile
GB05 thru GB07	Wall B Plan and Profile
GB08 thru GB17	Wall Details

Illumination	
SHEET NO.	DESCRIPTION
PA01 thru PA03	Illumination Plan
PA04	Illumination Details

General Construction Notes

1. Contractor is responsible to schedule and provide a UPRR flagger for any work within 25' of the nearest rail. Contractor to verify rail road requirements for flaggers.
2. All survey monumentation along the project corridor shall be retained and protected, or reset by a professional land surveyor.
3. Portions of the project are located within a known archeological area. Contractor to review all requirements specific to archeological excavations.
4. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City.
5. Water valves to be only operated by city public works crews. Contractor to call 24 hours before construction.
6. City to provide concrete stamping for Old China Town district. Contractor to work with City.
7. Contractor to coordinate Union Street closure with surrounding projects.

ODOT Standard Drg. Nos.

RD348	- Manhole with Inlet
RD417	- Midwest Guardrail System End Sections
TM200	- Sign Installation Details
TM201	- Miscellaneous Sign Placement Details
TM206	- Sign Bracing Details
TM500	- Pavement Marking Standard Detail Blocks
TM501	- Pavement Marking Standard Detail Blocks
TM503	- Pavement Marking Standard Detail Blocks
TM635	- Breakway Sign and Luminaire Supports (Location Guidelines)
TM676	- Sign Attachments
TM677	- Sign Mounts
TM800	- Tables, Abrupt Edge, and PCMS Detail
TM820	- Temporary Barricades
TM821	- Temporary Sign Support
TM840	- Closure Details
TM841	- Intersection Work Zone Details
TM844	- Temporary Pedestrain Access Routing
TM850	- 2-Lane, 2-way Roadways

City Of The Dalles (COTD)
Standard Drg. Nos.

RD250	- Thrust Blocking
RD254	- Hydrant Installation
RD258	- Valve Box and Operator Extension Assembly
RD274	- Water Service Connection
RD300	- Trench Backfill, Bedding, Pipe Zone and Multiple Installations
RD302	- Street Cut
RD306	- Concrete Encasement, Cradle, and Cap Details
RD335	- Standard Storm Sewer Manhole
RD336	- Standard Manhole Details
RD339	- Pipe to Structure Connections
RD342	- Shallow Manholes
RD344	- Standard Manhole Base Section
RD345	- Pipe to Manhole Connections
RD356	- Manhole Covers and Frames
RD360	- Manhole Frame Adjustment
RD363	- Gutter Transition at Inlet
RD364	- Concrete Inlets
RD700	- Curb
RD720	- Sidewalks
RD721	- Separated Sidewalks
RD722	- Sidewalk Joints
RD740	- Separated Sidewalk Driveways or Alleys (Options H, I & J)
RD745	- Curb Line Sidewalk Driveways or Alleys (Options K & L)
RD754	- Curb Ramp and Turning Space (For Ends of Sidewalks)
RD755	- Curb Ramp Details
RD756	- Curb Ramp Placement Options Small Radii
RD758	- Detectable Warning Surface Details and Placement Locations
RD759	- Detectable Warning Surface Details and Placement Locations
RD1010	-Inlet Protection (Type 2, 3, 6, and 7)
RD1070	-Concrete Truck Washout

THE DALLES FIRST STREET PROJECT
THE DALLES, OREGON
WASCO COUNTY

PROJECT NUMBER	SHEET NO.
TITLE SHEET	A02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-A01-CV.dwg TAB: A02
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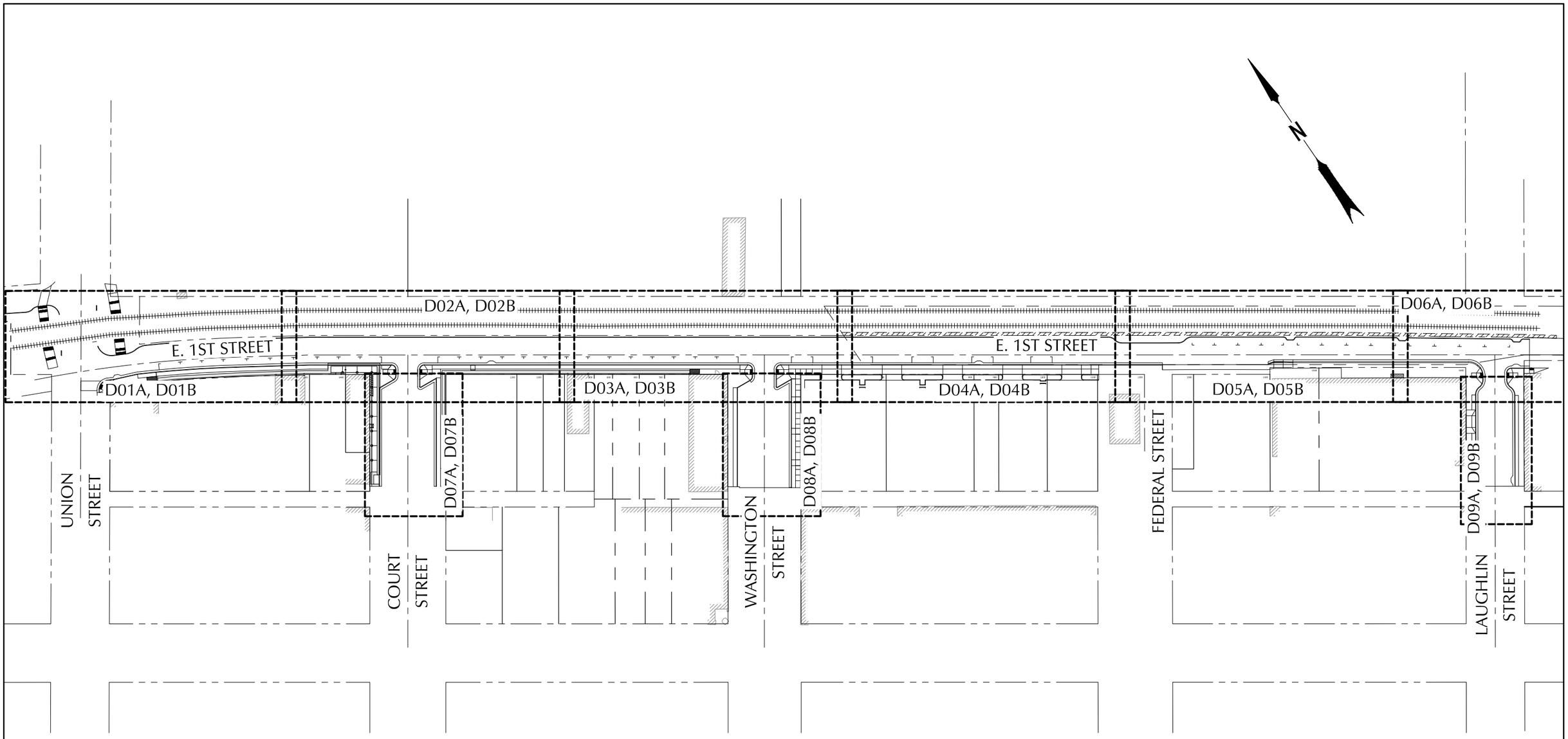
XREFs:



SCALE 1 INCH = 100 FEET

100 0 100 200

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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The Hub of the Pacific Northwest
CITY OF THE DALLES OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PLAN SHEET LAYOUT

SHEET NO. A03

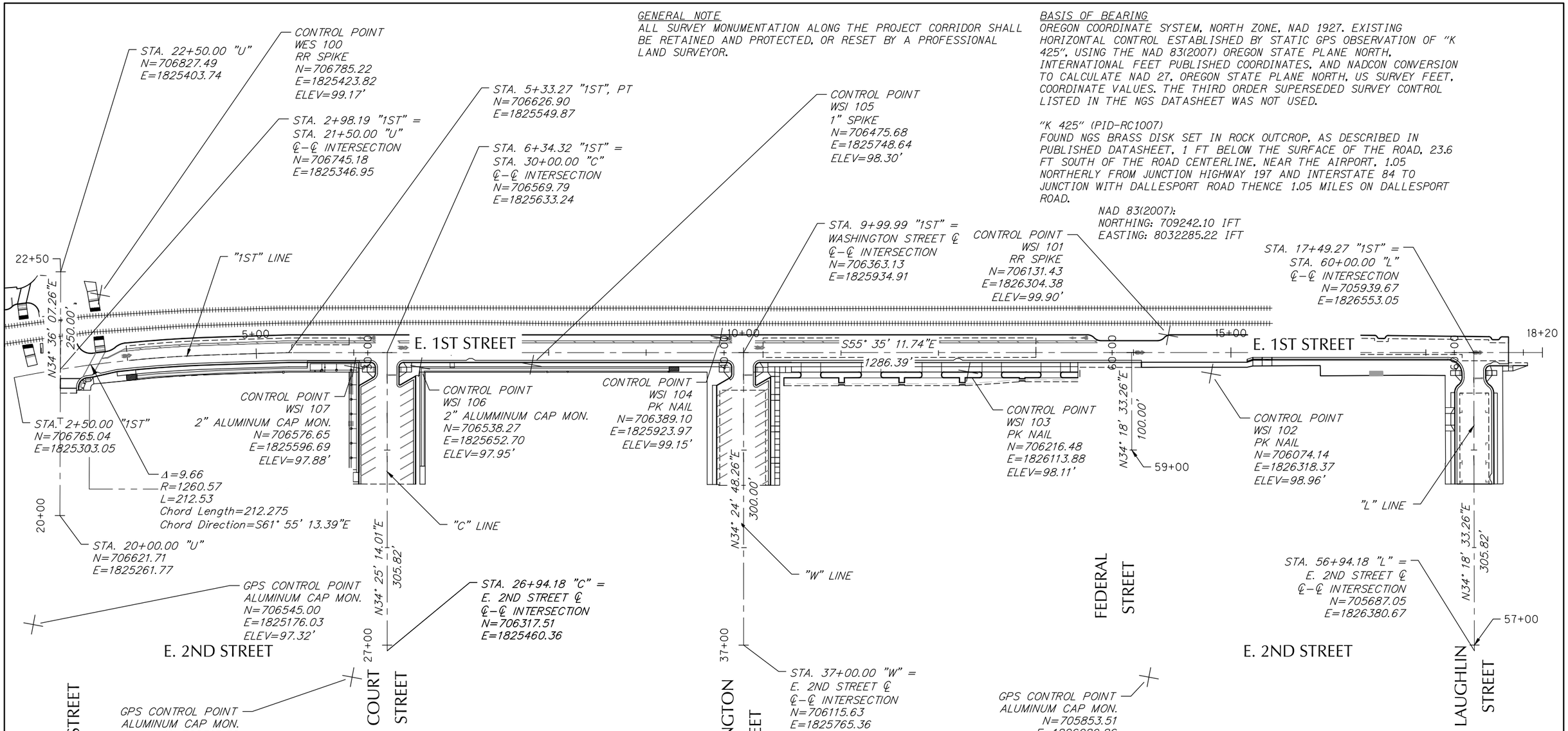
File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-A03-LAY.dwg TAB: A03
Plotted: 10/9/25 at 8:45pm By: pschmidtke
XREFs: 7286xba 7286xtb-11X17-ODOT 7286xst 7286xpl 7286xbldg

GENERAL NOTE
ALL SURVEY MONUMENTATION ALONG THE PROJECT CORRIDOR SHALL BE RETAINED AND PROTECTED, OR RESET BY A PROFESSIONAL LAND SURVEYOR.

BASIS OF BEARING
OREGON COORDINATE SYSTEM, NORTH ZONE, NAD 1927. EXISTING HORIZONTAL CONTROL ESTABLISHED BY STATIC GPS OBSERVATION OF "K 425", USING THE NAD 83(2007) OREGON STATE PLANE NORTH, INTERNATIONAL FEET PUBLISHED COORDINATES, AND NADCON CONVERSION TO CALCULATE NAD 27, OREGON STATE PLANE NORTH, US SURVEY FEET, COORDINATE VALUES. THE THIRD ORDER SUPERSEDED SURVEY CONTROL LISTED IN THE NGS DATASHEET WAS NOT USED.

"K 425" (PID-RC1007)
FOUND NGS BRASS DISK SET IN ROCK OUTCROP, AS DESCRIBED IN PUBLISHED DATASHEET, 1 FT BELOW THE SURFACE OF THE ROAD, 23.6 FT SOUTH OF THE ROAD CENTERLINE, NEAR THE AIRPORT, 1.05 NORTHERLY FROM JUNCTION HIGHWAY 197 AND INTERSTATE 84 TO JUNCTION WITH DALLESPORT ROAD THENCE 1.05 MILES ON DALLESPORT ROAD.

NAD 83(2007):
NORTHING: 709242.10 IFT
EASTING: 8032285.22 IFT



VERTICAL DATUM
NGVD 29, US FEET. CONVERSION BETWEEN DATUMS NGVD 1929 + 3.26'=NAVD 1988 EXISTING VERTICAL CONTROL ESTABLISHED BY DIGITAL LEVELS THROUGH NGS BENCHMARKS "106 HIGH WATER MARK", AND "S 122".

"106 HIGH WATER MARK" (PID-RC0860)
FOUND NGS BRASS DISK AS DESCRIBED IN PUBLISHED DATASHEET, AT THE SOUTHWEST CORNER OF SECOND STREET AND UNION STREET, ON THE NORTH FACE OF THE ORIGINAL POST OFFICE BUILDING (NOW AMERITITLE), APPROXIMATELY 8' ABOVE THE GROUND.
NAVD 88 ELEVATION: 109.57'
NGVD 29 ELEVATION USED: 106.31'

"S 122" (PID-RC0873)
FOUND NGS BRASS DISK AS DESCRIBED IN PUBLISHED DATASHEET, AT THE NORTHWEST CORNER OF THIRD STREET AND COURT STREET, AT THE EAST MAIN ENTRANCE TO THE CITY HALL, ON TOP OF THE SECOND STEP.
NAVD 88 ELEVATION: 105.40'
NGVD 29 ELEVATION USED: 102.14'

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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

The Hub of the Pacific Northwest
CITY OF THE DALLES
OREGON

ALIGNMENT DATA

SHEET NO.
A04

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-A04-ALIGN.dwg TAB: A04
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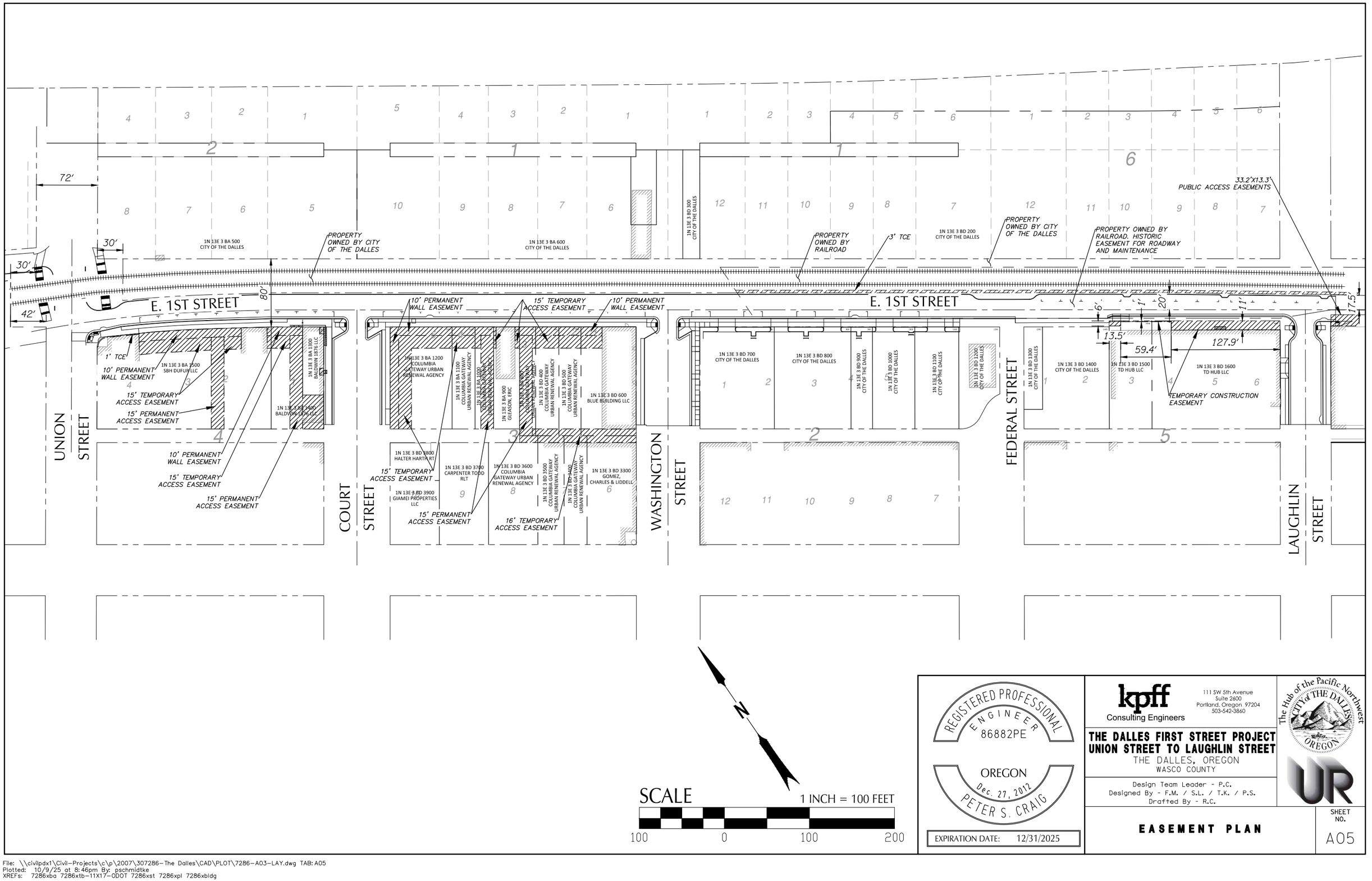

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - R.C.

EASEMENT PLAN

SHEET NO. A05

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-A03-LAY.dwg TAB: A05
Plotted: 10/9/25 at 8:46pm By: pschmidtke
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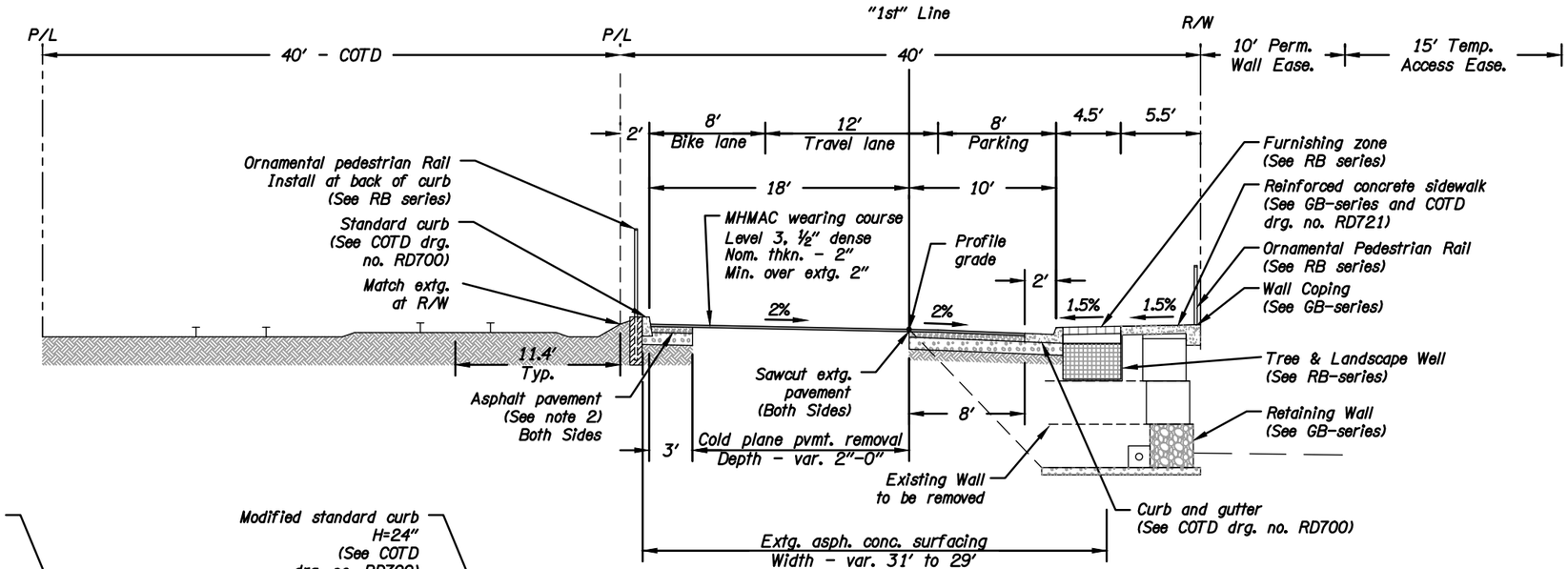
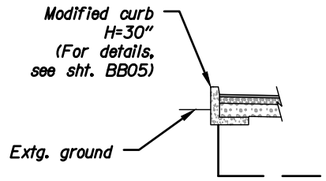
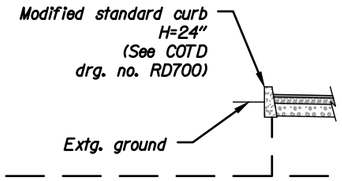


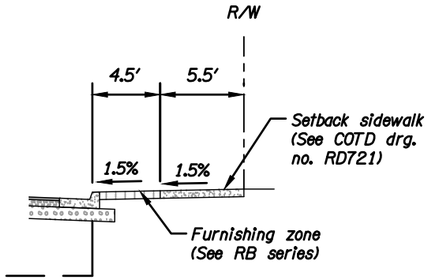
E. FIRST STREET
STA. 3+67.74 To STA. 5+95.32



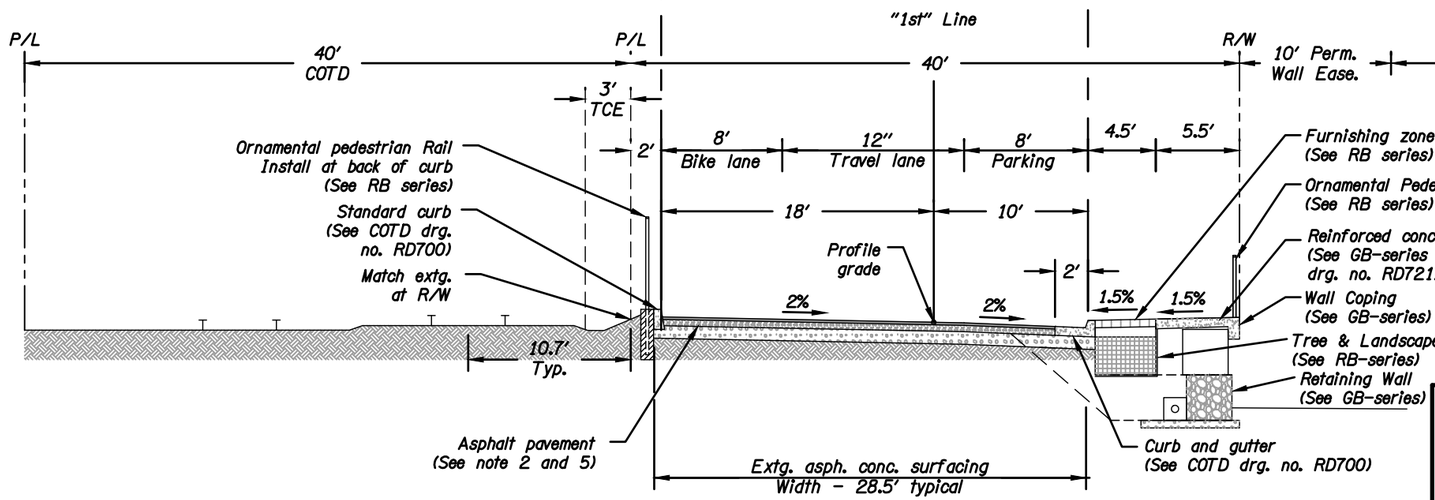
STA. 9+25.00 To STA. 10+25.00



STA. 8+50.00 To STA. 9+25.00
STA. 10+25.00 To STA. 10+49.06



STA. 9+23.60 To STA. 10+20



E. FIRST STREET
STA. 5+95.32 To STA. 10+20.00

NOTE:

1. All dimensions are shown in feet unless otherwise noted.
2. For details, see sht. BB04.
3. E=6" for all curb installations, except where noted others on BB and BC series sheets.
4. Gutter slopes 4.0% max at curb ramps. For additional grading details not shown, see BC series.
5. Preserve pavement beginning at Sta. 10+20 according to typical section shown on Sht. BA02.

REGISTERED PROFESSIONAL ENGINEER
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OREGON
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EXPIRATION DATE: 12/31/2025

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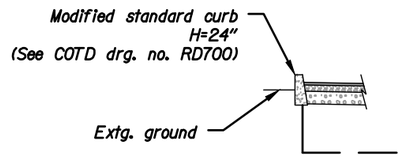
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

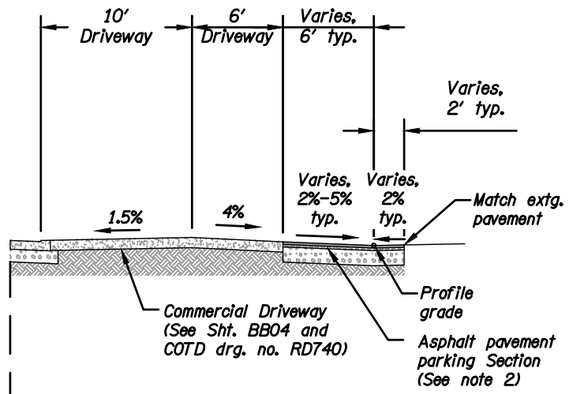
TYPICAL SECTIONS

SHEET NO.
BA01

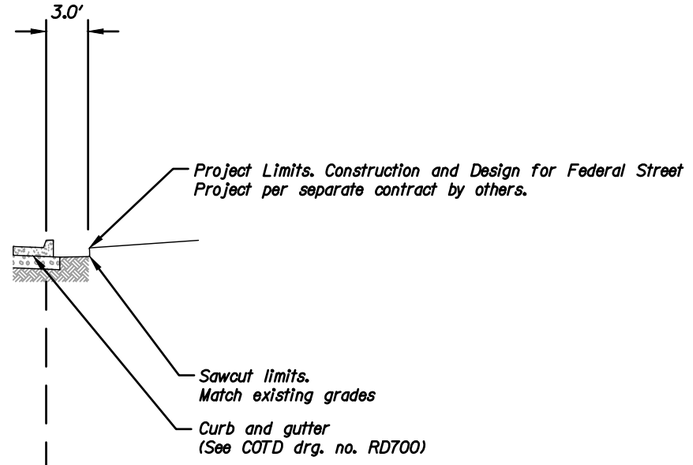
File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BA01-TYP.dwg TAB:BA01
Plotted: 10/9/25 at 8:46pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT



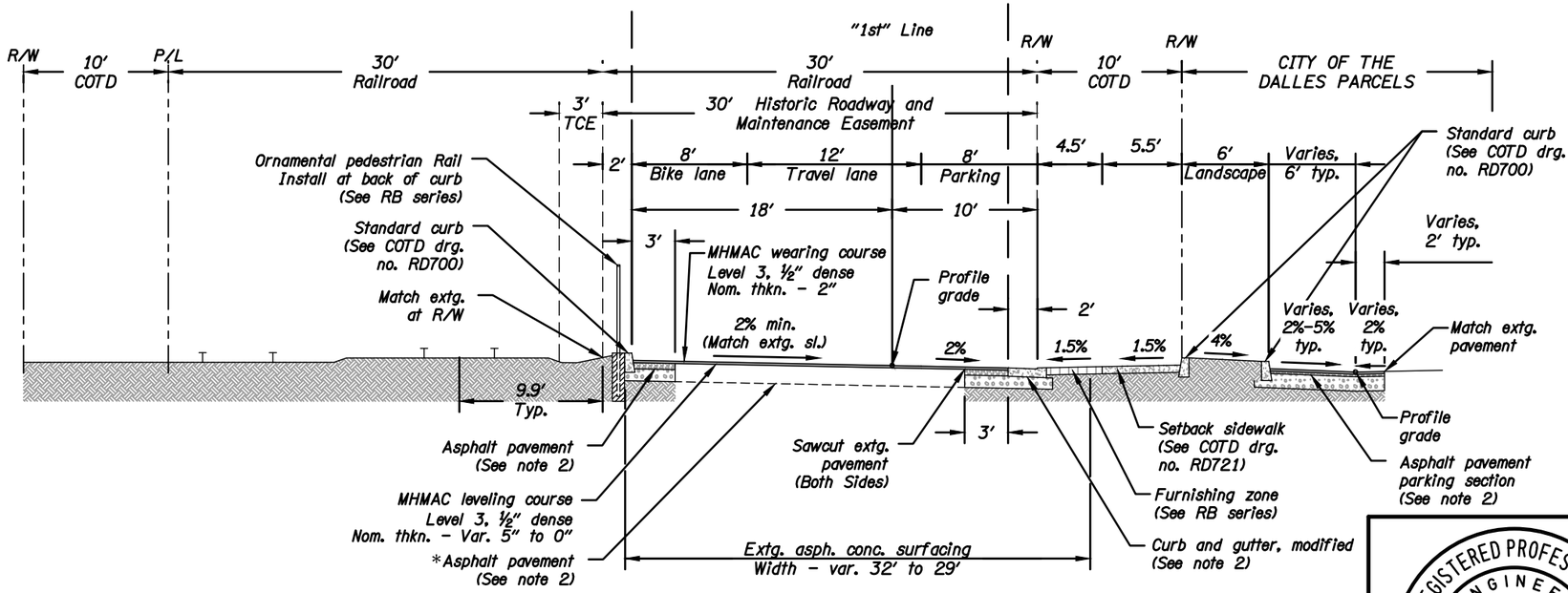
STA. 10+49.06 To STA. 11+75.00



STA. 10+59.06 To STA. 10+79.06
STA. 11+20.90 To STA. 11+40.90
STA. 11+83.16 To STA. 12+03.16
STA. 12+44.61 To STA. 12+64.61
STA. 13+05.20 To STA. 13+25.20



STA. 13+35.20 To STA. 13+87.74



E. FIRST STREET

STA. 10+20 To STA. 13+00.00
*STA. 13+00.00 To STA. 13+87.74 (Full depth Pavement)

NOTE:

1. All dimensions are shown in feet unless otherwise noted.
2. For details, see sht. BB04.
3. E=6" for all curb installations, except where noted others on BB and BC series sheets.
4. Gutter slopes 4.0% max. at curb ramps. For additional grading details not shown, see BC series.

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PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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The Hub of the Pacific Northwest
CITY of THE DALLES
OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - R.C.

TYPICAL SECTIONS

SHEET NO.
BA02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BA01-TYP.dwg TAB:BA02
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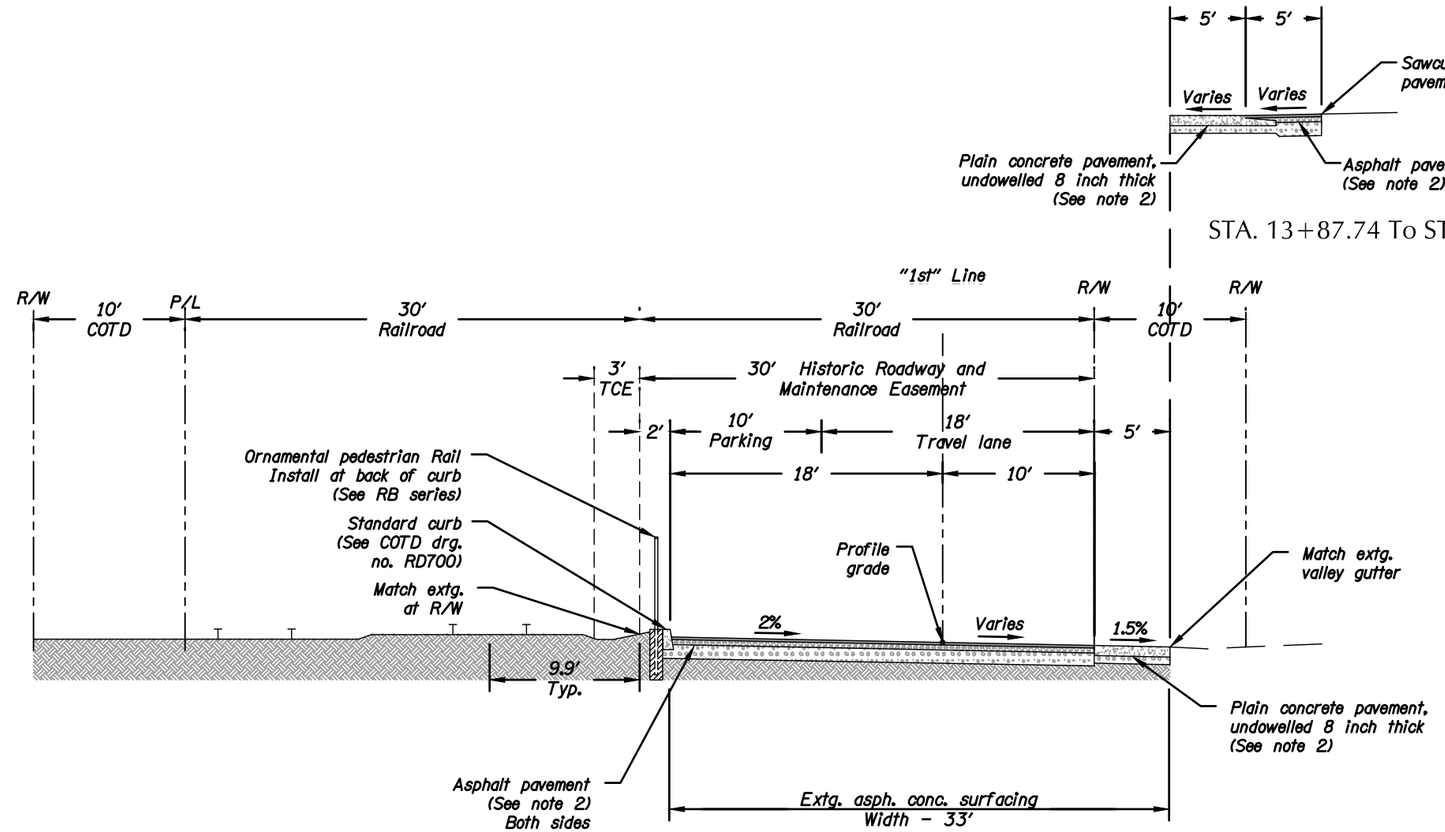

STA. 13+87.74 To STA. 14+08.22 (Federal Street)

E. FIRST STREET

STA. 13+87.74 To STA. 15+22.52

NOTE:

1. All dimensions are shown in feet unless otherwise noted.
2. For details, see sht. BB04.
3. E=6" for all curb installations, except where noted others on BB and BC series sheets.
4. Gutter slopes 4.0% max. at curb ramps. For additional grading details not shown, see BC series.

REGISTERED PROFESSIONAL ENGINEER
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OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - R.C.

TYPICAL SECTIONS

SHEET NO. BA03

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BA01-TYP.dwg TAB:BA03
Plotted: 10/9/25 at 8:46pm By: pschmidtke
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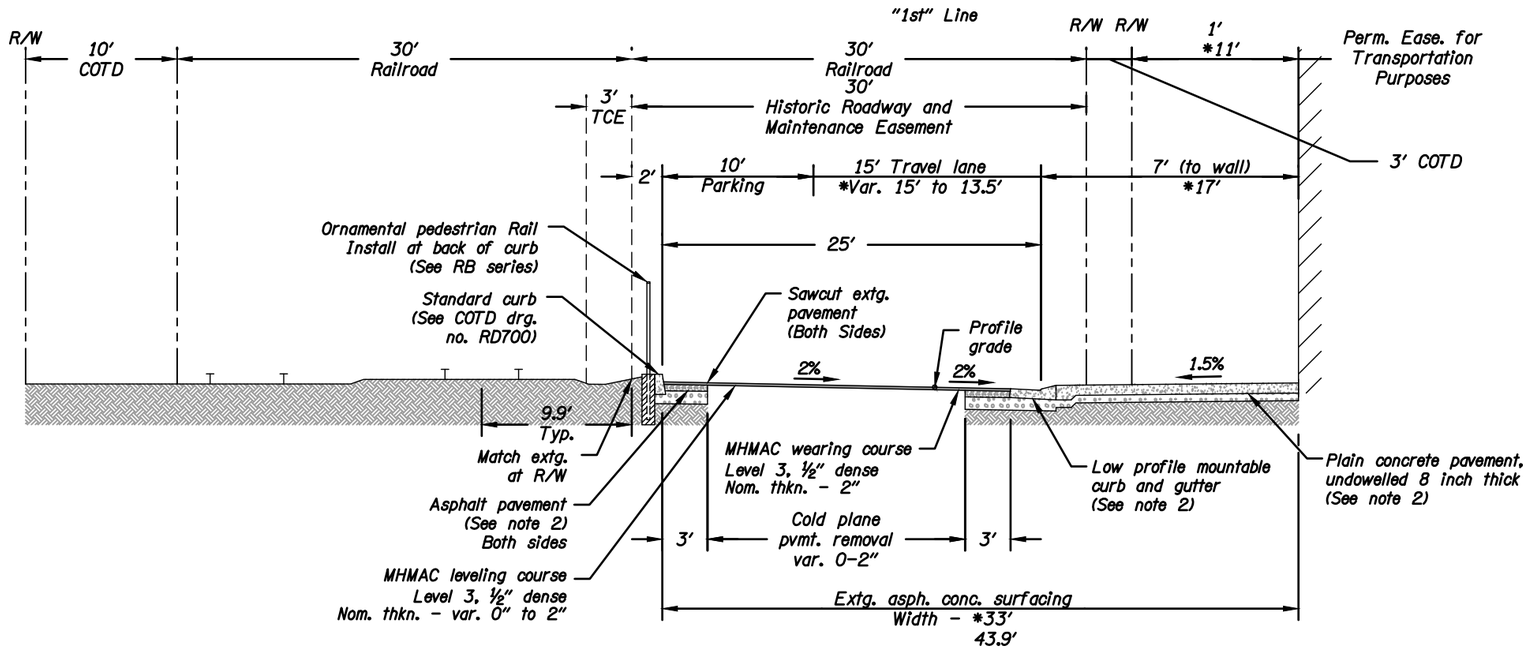
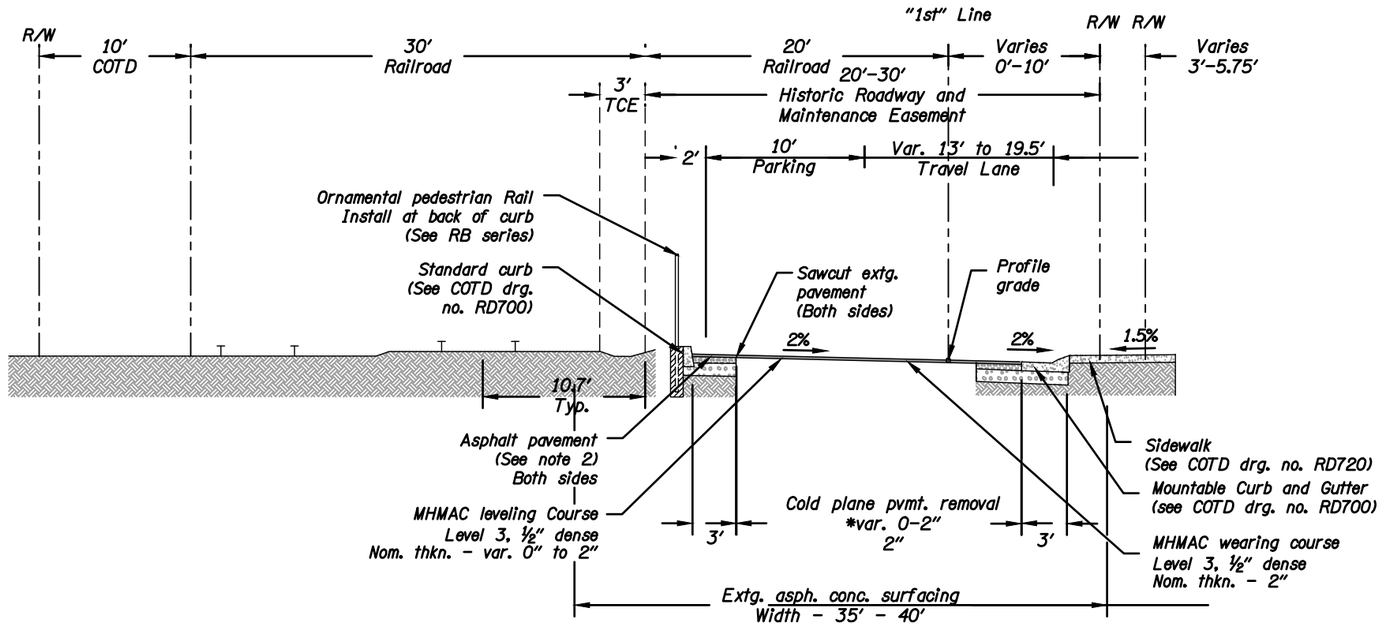


E. FIRST STREET

STA. 15+22.52 To STA. 15+91.66

*STA. 15+91.66 To STA. 17+22.31



E. FIRST STREET

*STA. 17+22.31 To STA. 17+66.30 (Laughlin Street)

STA. 17+66.30 To STA. 17+84.84

NOTE:

1. All dimensions are shown in feet unless otherwise noted.
2. For details, see sht. BB04.
3. E=6" for all curb installations, except where noted others on BB and BC series sheets.
4. Gutter slopes 4.0% max. at curb ramps. For additional grading details not shown, see BC series.

REGISTERED PROFESSIONAL ENGINEER
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OREGON
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CITY of THE DALLES
OREGON

TYPICAL SECTIONS

SHEET NO.
BA04

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BA01-TYP.dwg TAB:BA04
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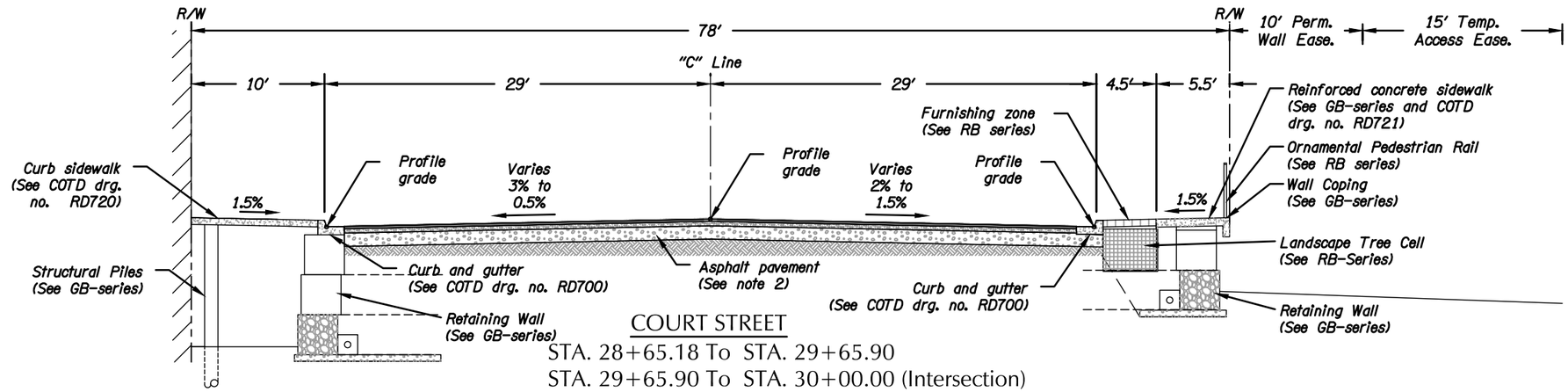
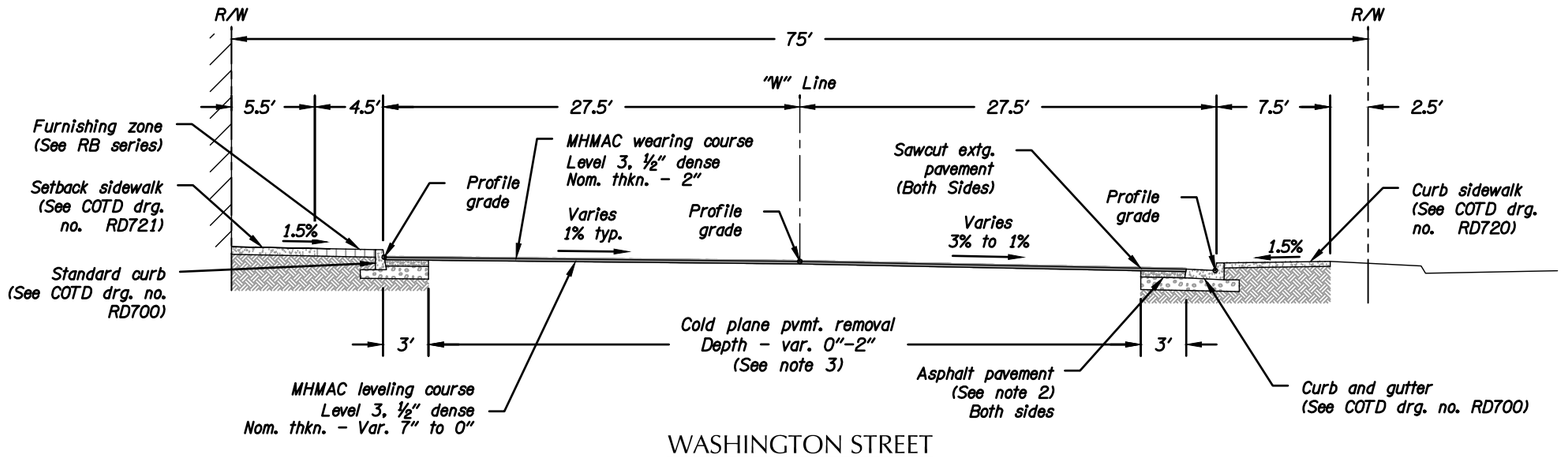


COURT STREET

STA. 28+65.18 To STA. 29+65.90

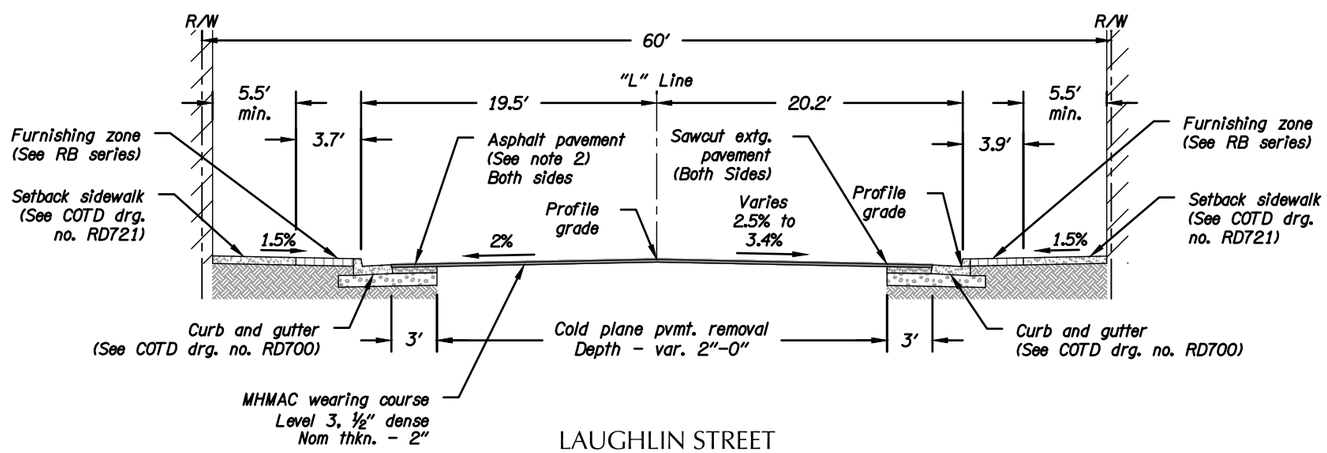
STA. 29+65.90 To STA. 30+00.00 (Intersection)



WASHINGTON STREET

STA. 38+63.86 To STA. 39+66.17

STA. 39+66.17 To STA. 40+00.00 (Intersection)



LAUGHLIN STREET

STA. 48+65.14 To STA. 49+58.48

STA. 49+58.48 To STA. 50+00.00 (Intersection)

NOTE:

1. All dimensions are shown in feet unless otherwise noted.
2. For details, see sht. BB04.
3. E=6" for all curb installations, except where noted others on BB and BC series sheets.
4. Gutter slopes 4.0% max. at curb ramps. For additional grading details not shown, see BC series.
5. Cold plane for butt joint - 25′ from south limit.

REGISTERED PROFESSIONAL ENGINEER
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OREGON
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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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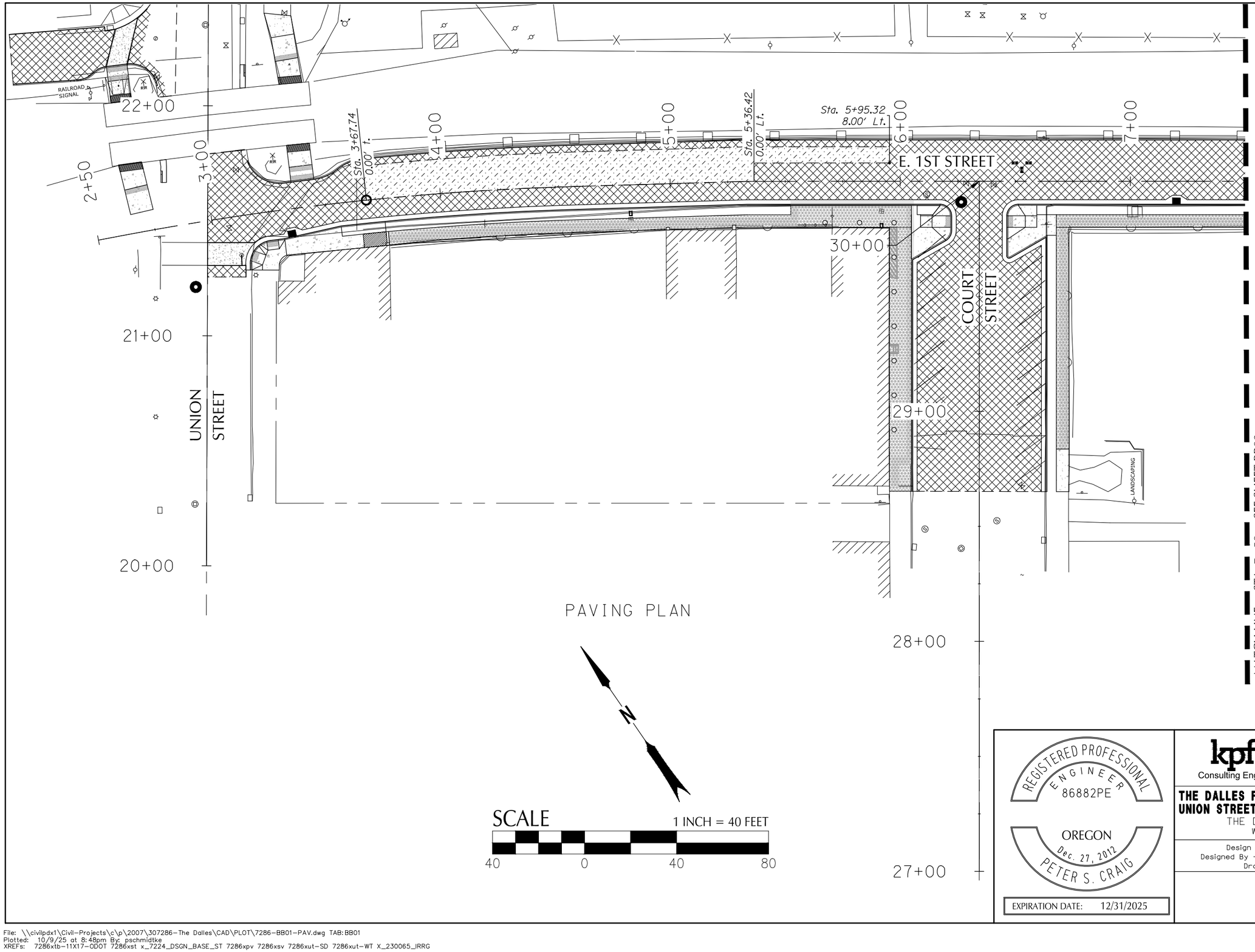
Drafted By - R.C.

TYPICAL SECTIONS

SHEET NO. BA05

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BA01-TYP.dwg TAB:BA05
Plotted: 10/9/25 at 8:47pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT



HATCH LEGEND

- COLD PLANE & OVERLAY
- OVERLAY
- ASPHALT PAVEMENT
- DRIVEWAYS / PLAIN CONCRETE PAVEMENT, UNDOWELED, 8 INCH THICK
- SIDEWALK
- SIDEWALK, REINFORCED
- WALL BACKFILL AT BUILDING

PAVING PLAN

N

SCALE 1 INCH = 40 FEET

40 0 40 80

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OREGON
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Drafted By - R.C.

DETAILS

SHEET NO. BB01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BB01-PAV.dwg TAB: BB01
Plotted: 10/9/25 at 8:48pm By: pschmidtke
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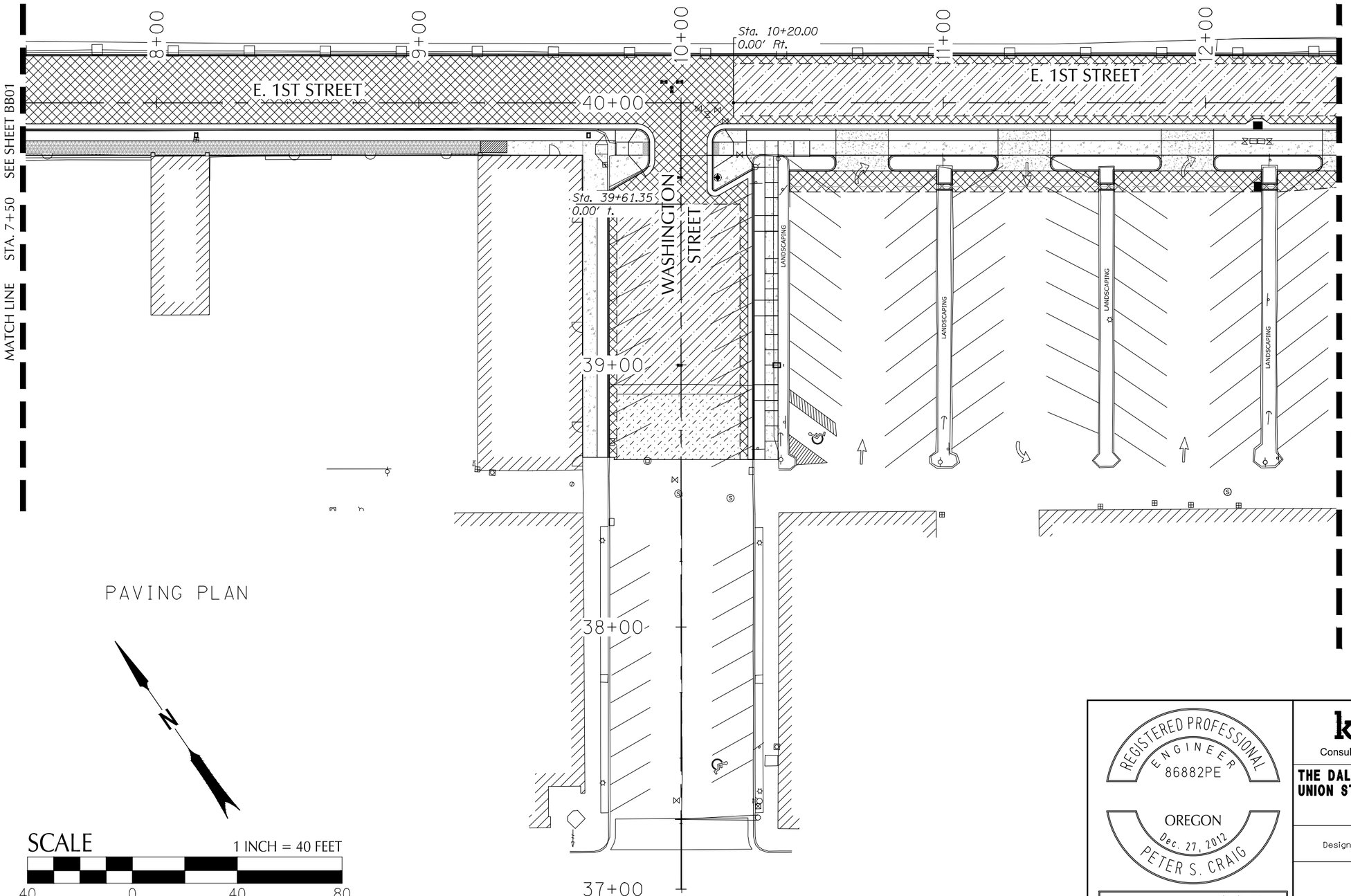

HATCH LEGEND

- COLD PLANE & OVERLAY
- OVERLAY
- ASPHALT PAVEMENT
- DRIVEWAYS / PLAIN CONCRETE PAVEMENT, UNDOWELED, 8 INCH THICK
- SIDEWALK
- SIDEWALK, REINFORCED
- WALL BACKFILL AT BUILDING

PAVING PLAN

N

SCALE 1 INCH = 40 FEET

40 0 40 80

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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The Hub of the Pacific Northwest
CITY of THE DALLES
OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

DETAILS

SHEET NO. BB02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BB01-PAV.dwg TAB:BB02
Plotted: 10/9/25 at 8:48pm By: pschmidtke
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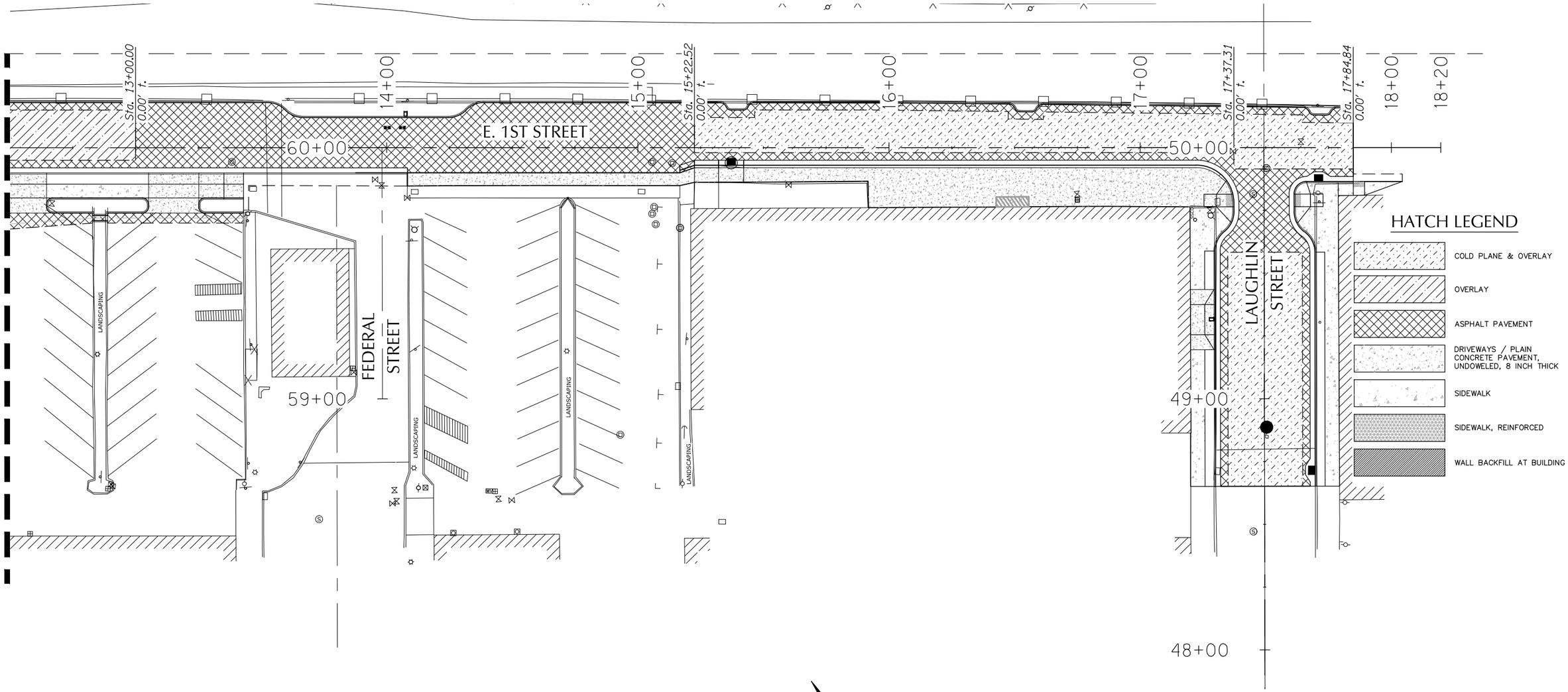

PAVING PLAN

N

SCALE 1 INCH = 40 FEET

40 0 40 80

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - R.C.

DETAILS

SHEET NO. BB03

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BB01-PAV.dwg TAB: BB03
Plotted: 10/9/25 at 8:48pm By: pschmidtke
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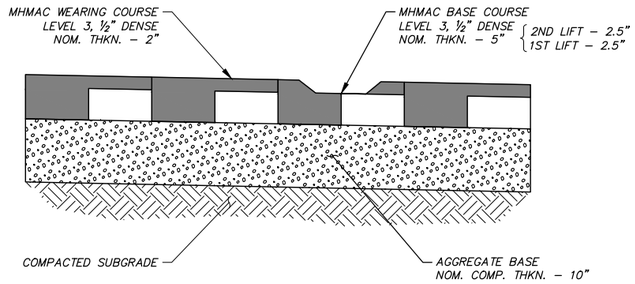
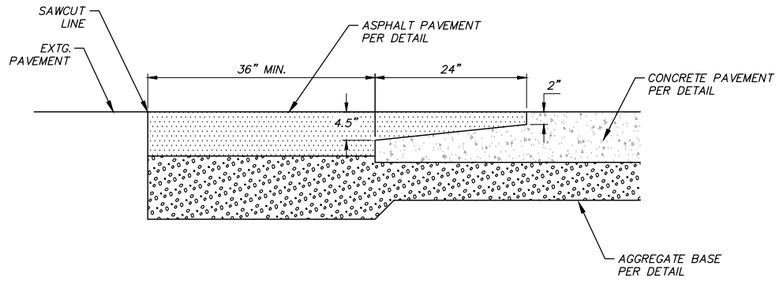


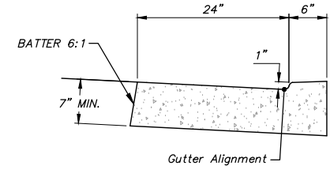
ASPHALT PAVEMENT



NOTES:

1. FOR USE AT FIRST AND UNION CROSSWALKS AND AT THE FEDERAL STREET CONNECTION.
2. JOINTS TO MATCH ADJACENT CONCRETE. SEE RB SERIES

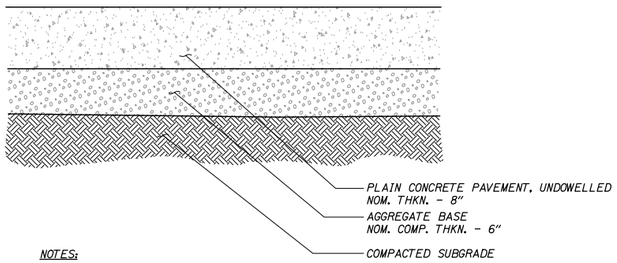
ASPHALT-CONCRETE TRANSITION



NOTES:

1. FOR SCORING REQUIREMENTS, SEE COTD DRG. NO. RD722 AND RB SERIES.

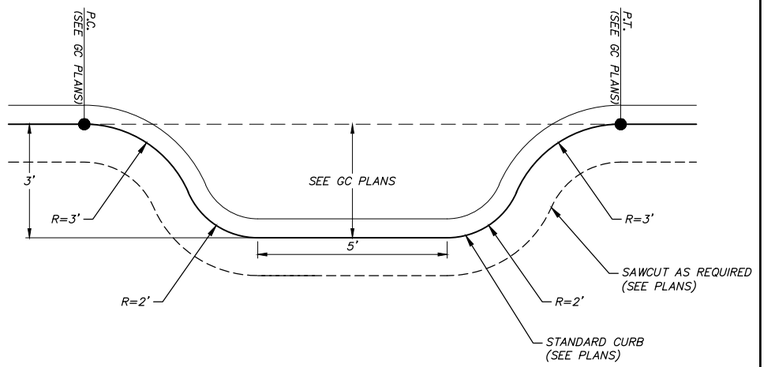
CONCRETE CURBS, CURB AND GUTTER, MODIFIED



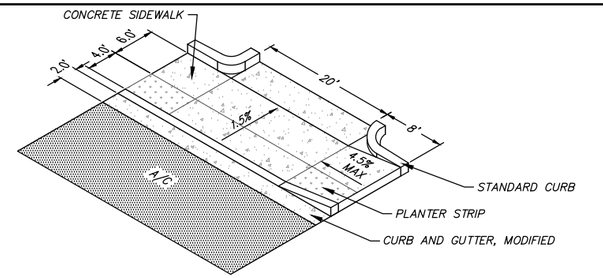
NOTES:

1. FOR SCORING, JOINT LAYOUT, AND DETAILS, REFER TO RB SERIES.
2. FOR CONSTRUCTION JOINTS, REFER TO ODOT DRG. NO. RD600
3. CONST. ASPHALT-CONCRETE TRANSITION WHERE ADJACENT TO NEW ASPHALT PAVEMENT.

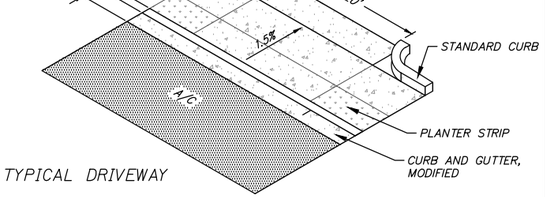
PLAIN CONCRETE PAVEMENT, UNDOWELLED, 8 INCH THICK



TYPICAL CURB EXTENSION

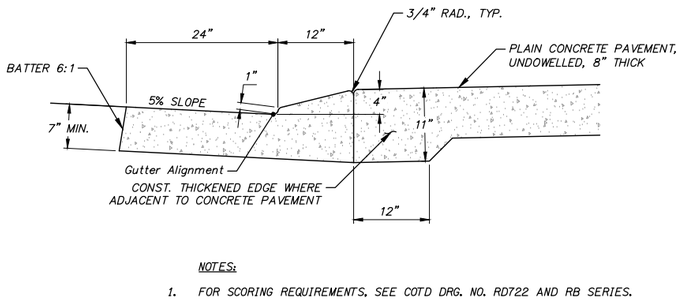


DRIVEWAY WITH SIDEWALK TRANSITION



TYPICAL DRIVEWAY

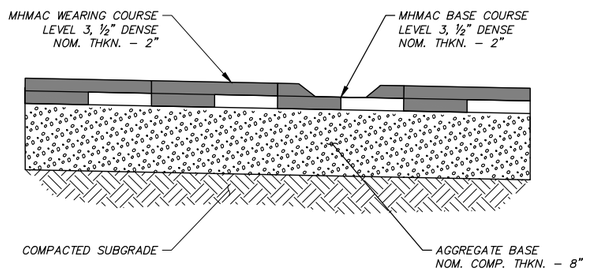
CONCRETE DRIVEWAY TO PARKING LOT



NOTES:

1. FOR SCORING REQUIREMENTS, SEE COTD DRG. NO. RD722 AND RB SERIES.

LOW PROFILE MOUNTABLE CURB AND GUTTER



ASPHALT PAVEMENT (PARKING, APPROACH AND WALK SECTION)

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG

EXPIRATION DATE: 12/31/2025

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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

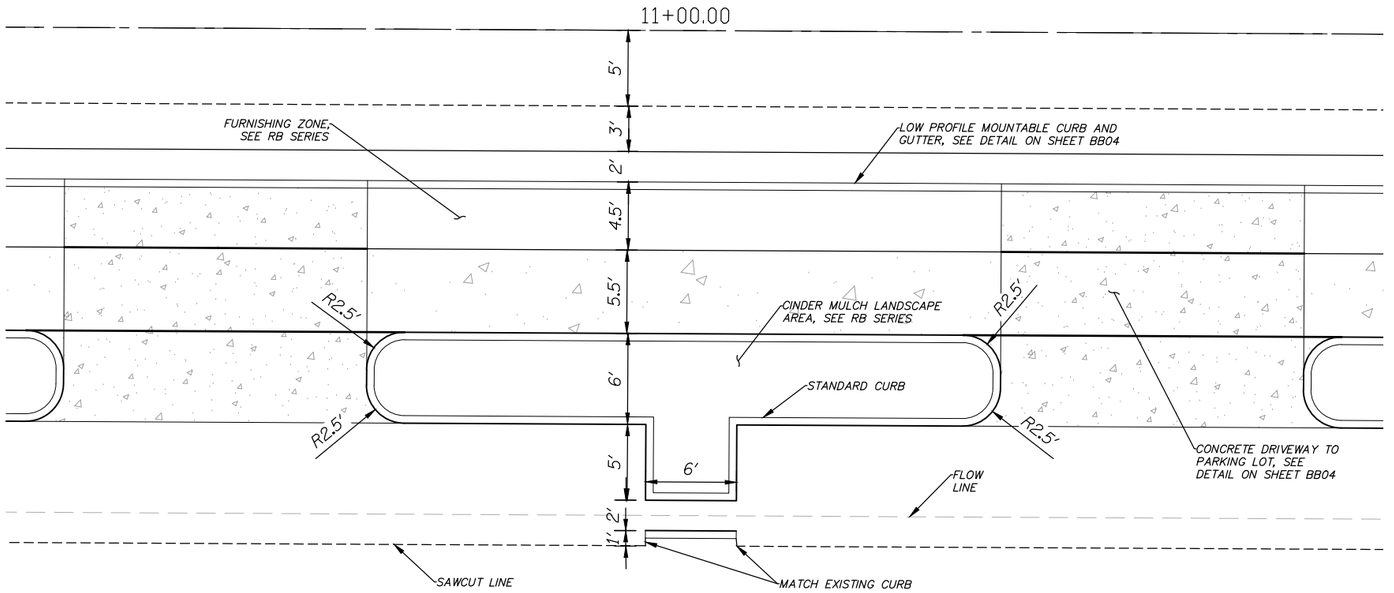
Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

The Hub of the Pacific Northwest
CITY of THE DALLES
OREGON

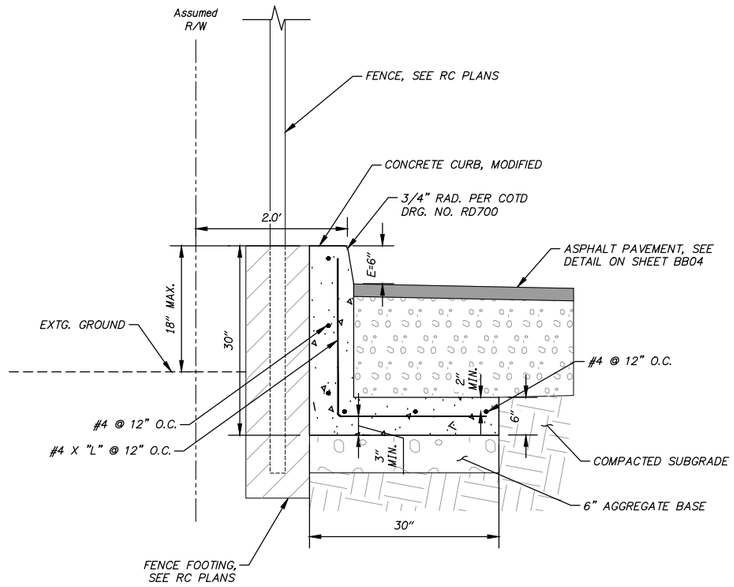
DETAILS

SHEET NO.
BB04

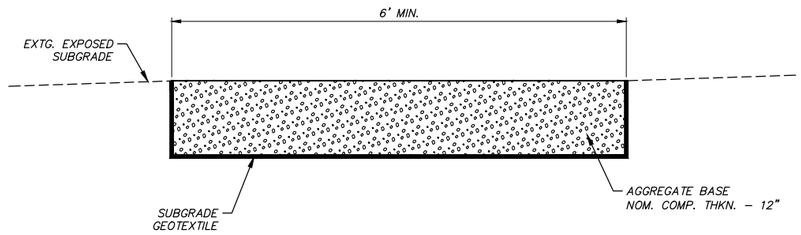
File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BB04-DET.dwg TAB:BB04
Plotted: 10/9/25 at 8:49pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst



TYPICAL PARKING LOT
ISLAND CURB DETAIL



MODIFIED CURB



12" SUBGRADE STABILIZATION
(LOCATIONS AS DIRECTED)

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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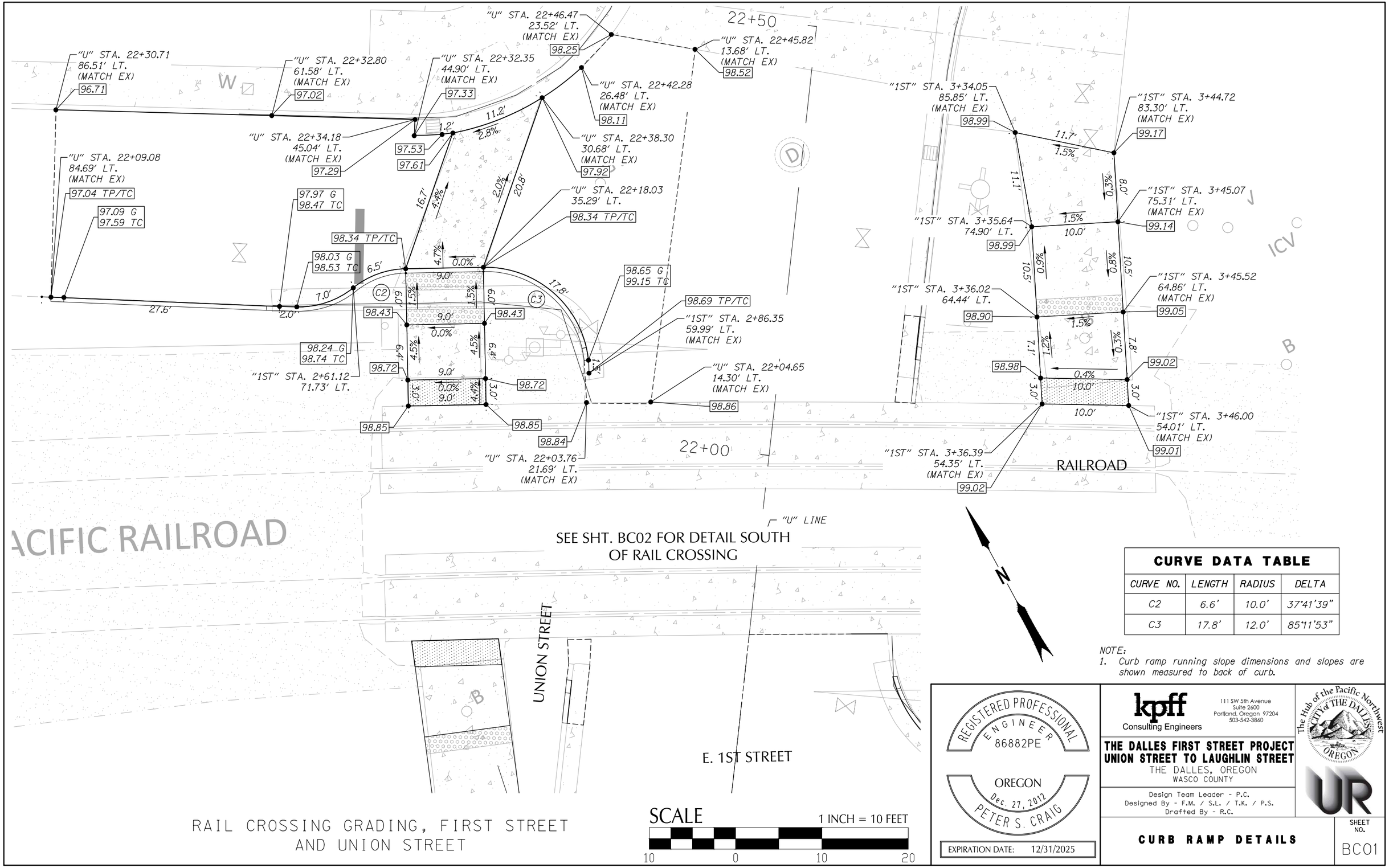
Drafted By - R.C.

DETAILS

SHEET NO.
BB05

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BB04-DET.dwg TAB:BB05
Plotted: 10/9/25 at 8:49pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst



RAIL CROSSING GRADING, FIRST STREET
AND UNION STREET

SCALE 1 INCH = 10 FEET

10 0 10 20

CURVE DATA TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C2	6.6'	10.0'	37°41'39"
C3	17.8'	12.0'	85°11'53"

NOTE:
1. Curb ramp running slope dimensions and slopes are shown measured to back of curb.

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EXPIRATION DATE: 12/31/2025

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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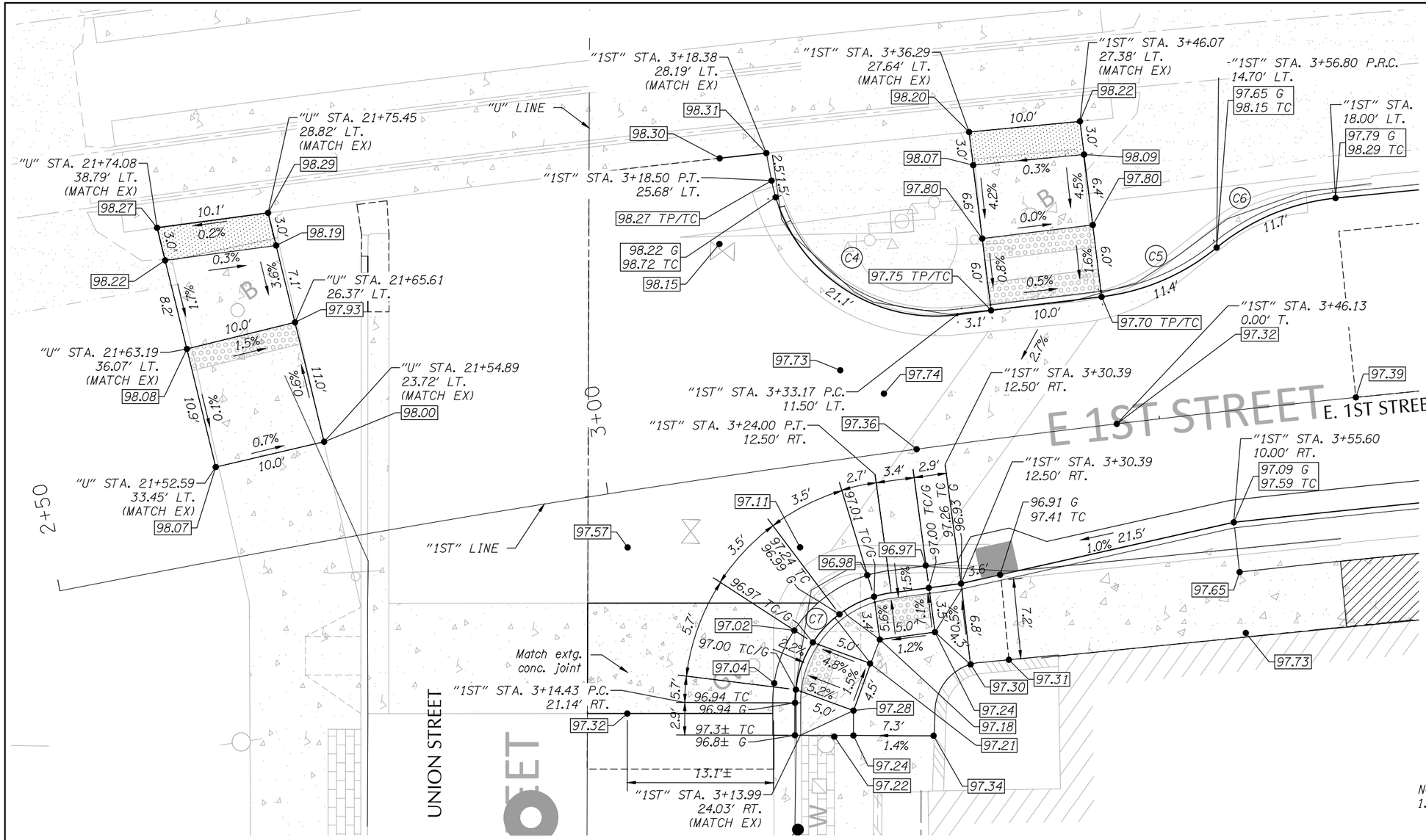
Drafted By - R.C.

CURB RAMP DETAILS

SHEET NO. BC01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BC01-CURB RAMP DET.dwg TAB:BC01
Plotted: 10/10/25 at 2:00pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT x_7224_DSGN_BASE_ST 7286xst 7286xsv 7286xsv-Union 7286xut-SD



CURVE DATA TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C4	22.6'	15.0'	86°21'12"
C5	11.4'	20.0'	32°36'48"
C6	11.7'	20.0'	33°37'02"
C7	14.3'	10.0'	82°00'40"

NOTE:
1. Curb ramp running slope dimensions and slopes are shown measured to back of curb.

INTERSECTION GRADING, FIRST STREET AND UNION STREET

SCALE 1 INCH = 10 FEET

10 0 10 20

REGISTERED PROFESSIONAL ENGINEER
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OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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The Hub of the Pacific Northwest
CITY OF THE DALLES
OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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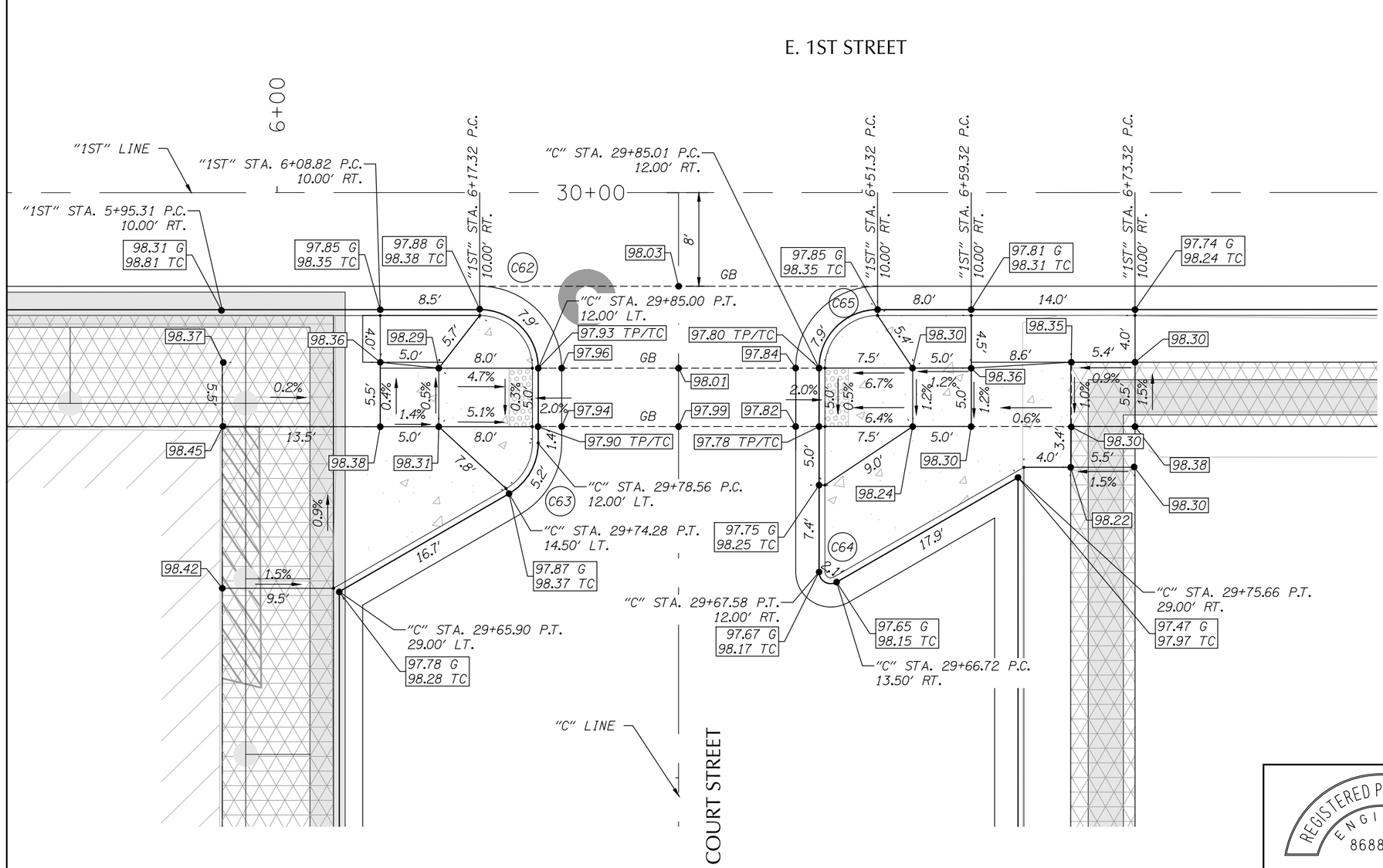
Drafted By - R.C.

CURB RAMP DETAILS

SHEET NO. BC02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BC01-CURB RAMP DET.dwg TAB:BC02
Plotted: 10/10/25 at 2:01pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT x_7224_DSGN_BASE_ST 7286xst 7286xsv 7286xsv-Union 7286xut-SD

NOTE:
1. Curb ramp running slope dimensions and slopes are shown measured to back of curb.



CURVE DATA TABLE

CURVE NO.	LENGTH	RADIUS	DELTA
C62	7.9'	5.0'	90°00'24"
C63	5.2'	5.0'	59°59'24"
C64	2.1'	1.0'	119°59'44"
C65	4.0'	5.0'	45°19'17"

NOTE:
1. Curb ramp running slope dimensions and slopes are shown measured to back of curb.

INTERSECTION GRADING, FIRST STREET AND COURT STREET

SCALE 1 INCH = 10 FEET

10 0 10 20

REGISTERED PROFESSIONAL ENGINEER
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Dec. 27, 2012
PETER S. CRAIG
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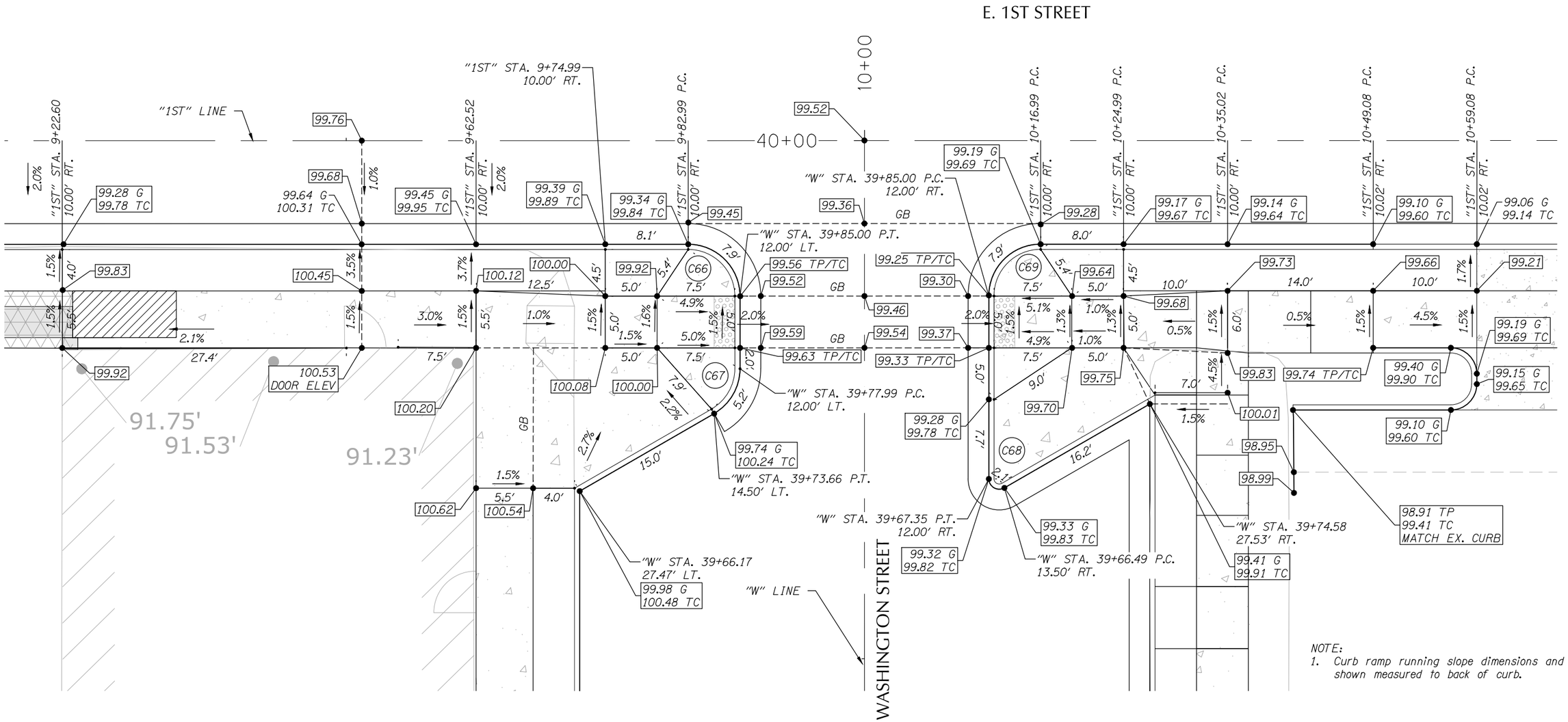
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

CURB RAMP DETAILS

SHEET NO. BC03

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BC01-CURB RAMP DET.dwg TAB:BC03
Plotted: 10/10/25 at 2:01pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT x_7224_DSGN_BASE_ST 7286xst 7286xsv 7286xsv-Union 7286xut-SD



NOTE:
1. Curb ramp running slope dimensions and slopes are shown measured to back of curb.

CURVE DATA TABLE

CURVE NO.	LENGTH	RADIUS	DELTA
C66	7.9'	5.0'	90°00'00"
C67	5.2'	5.0'	60°00'40"
C68	2.1'	1.0'	119°59'20"
C69	7.9'	5.0'	90°00'00"

INTERSECTION GRADING, FIRST STREET AND WASHINGTON STREET

SCALE 1 INCH = 10 FEET

10 0 10 20

REGISTERED PROFESSIONAL ENGINEER
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OREGON
Dec. 27, 2012
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UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

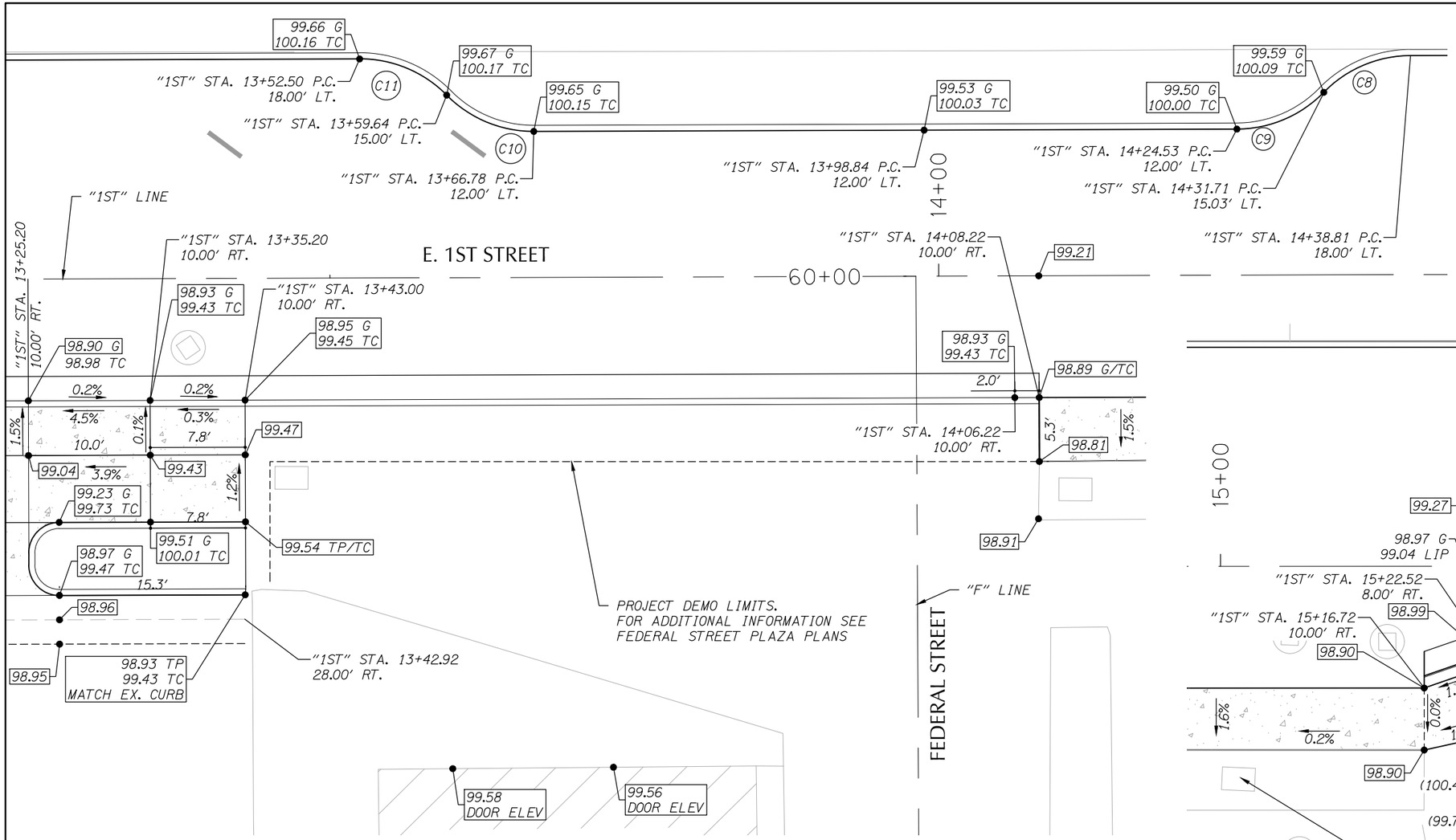
CURB RAMP DETAILS

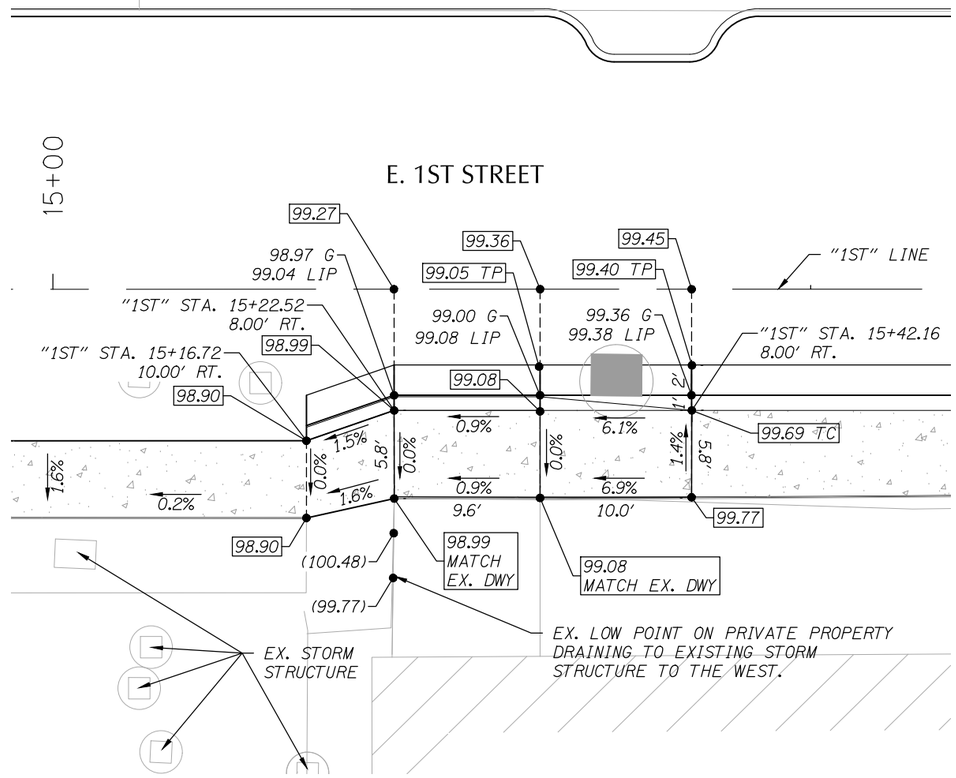
SHEET NO. BC04

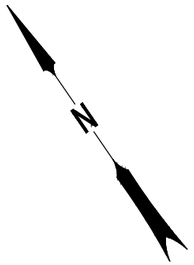
File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BC01-CURB RAMP DET.dwg TAB:BC04
Plotted: 10/10/25 at 2:01pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT x_7224_DSGN_BASE_ST 7286xst 7286xsv 7286xsv-Union 7286xut-SD

NOTE:
1. Curb ramp running slope dimensions and slopes are shown measured to back of curb.

CURVE DATA TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C8	8.0'	10.0'	45°34'23"
C9	8.0'	10.0'	45°34'23"
C10	8.0'	10.0'	45°34'22"
C11	8.0'	10.0'	45°34'23"







INTERSECTION GRADING, FIRST STREET AND FEDERAL STREET

SCALE 1 INCH = 10 FEET

10 0 10 20

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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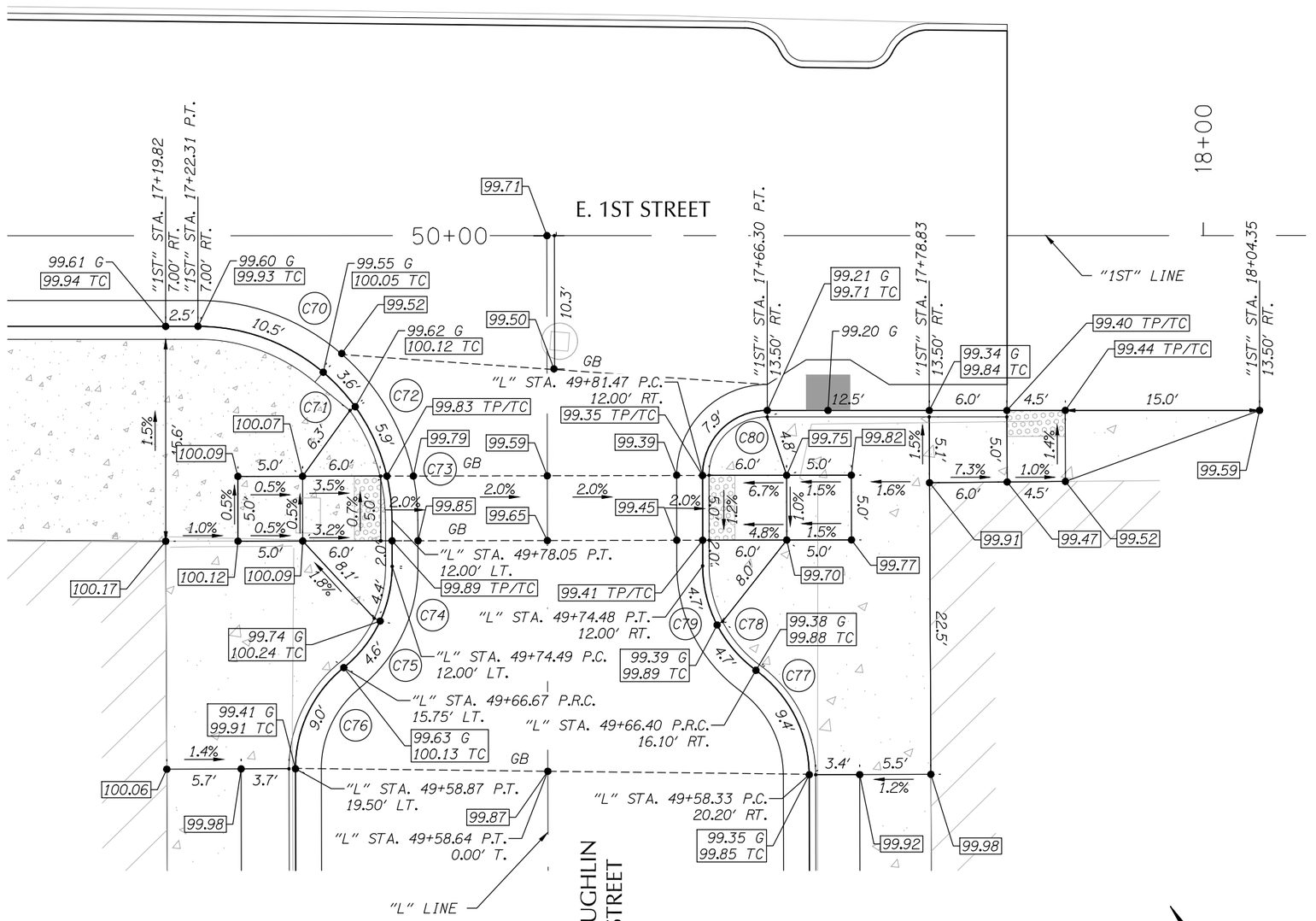
THE DALLES, OREGON
WASCO COUNTY

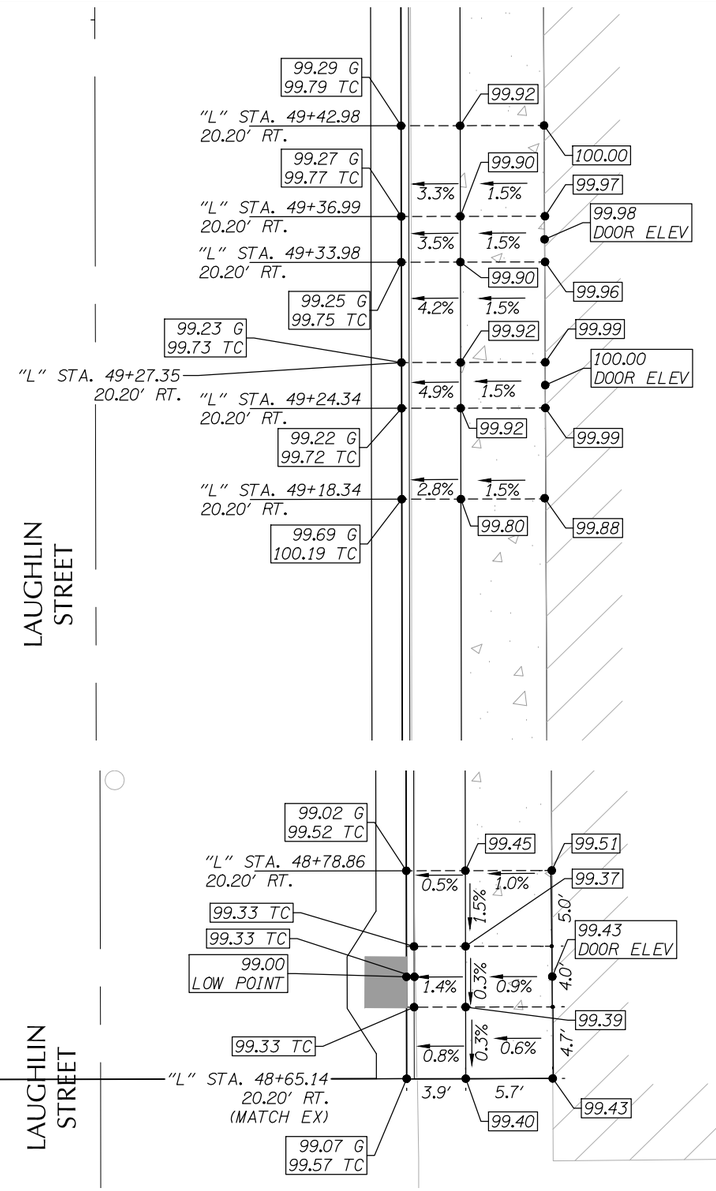
Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

CURB RAMP DETAILS

SHEET NO. BC05

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BC01-CURB RAMP DET.dwg TAB:BC05
Plotted: 10/10/25 at 2:01pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT x_7224_DSGN_BASE_ST 7286xst 7286xsv 7286xsv-Union 7286xut-SD





INTERSECTION GRADING, FIRST STREET AND LAUGHLIN STREET

NOTE:
1. Curb ramp running slope dimensions and slopes are shown measured to back of curb.

CURVE DATA TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C70	10.5'	15.0'	40°12'11"
C71	3.6'	15.0'	13°54'31"
C72	5.9'	15.0'	22°38'56"
C73	9.4'	15.0'	35°46'55"
C74	4.4'	10.0'	24°56'13"

CURVE DATA TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C75	4.6'	10.0'	26°22'51"
C76	9.0'	10.0'	51°19'04"
C77	9.4'	10.0'	53°50'35"
C78	4.7'	10.0'	26°55'17"
C79	4.7'	10.0'	26°55'17"

CURVE DATA TABLE			
CURVE NO.	LENGTH	RADIUS	DELTA
C80	7.9'	5.0'	90°06'15"

SCALE 1 INCH = 10 FEET

10 0 10 20

REGISTERED PROFESSIONAL ENGINEER
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OREGON
Dec. 27, 2012
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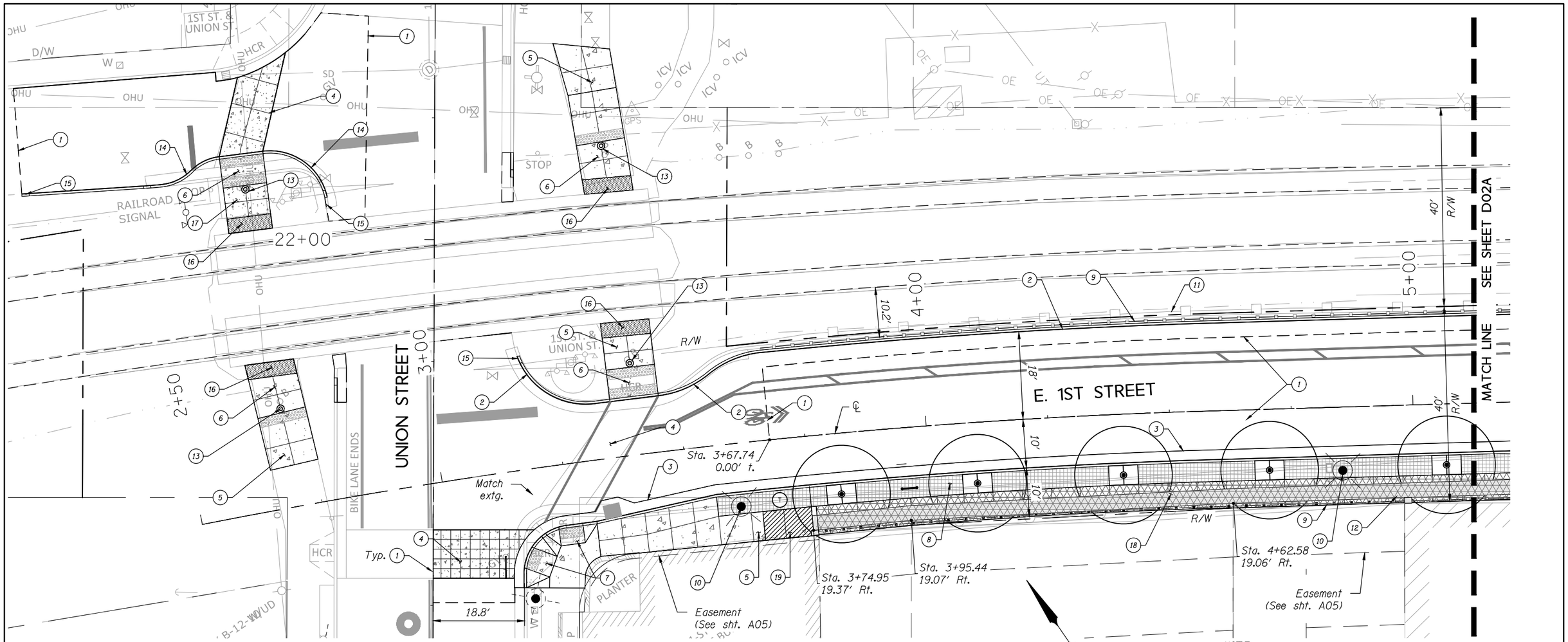
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

CURB RAMP DETAILS

SHEET NO. BC06

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-BC01-CURB RAMP DET.dwg TAB:BC06
Plotted: 10/10/25 at 2:01pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT x_7224_DSGN_BASE_ST 7286xst 7286xsv 7286xsv-Union 7286xut-SD



1. Sawcut extg. pavement
2. Const. standard curb
   (See COTD drg. no. RD700)
3. Const. curb and gutter
   (See COTD drg. no. RD700)
4. Remove concrete surfacing
   Const. Plain concrete pavement, undowelled 8 inch thick
   (For details and scoring, see sht. BB04 & RB series)
5. Remove sidewalk
   Const. separated P.C. conc. sidewalk
   Sidewalk scoring
   (For scoring, see RB series)
   (See COTD drg. no. RD721 & RD722)
6. Const. sidewalk ramp
   (For details, see sht. BC01 & BC02)
   (See COTD drg. no. RD755 & RD758)
7. Const. curb ramp
   (For details, see sht. BC02)
   (See COTD drg. no. RD755, RD756, RD758, RD759)
8. Furnishing zone
   (For details, see RB series)
9. Const. ornamental pedestrian rail
   (For details, see RB series)
10. Inst. luminaire
    (For locations, see RB series)
    (For details, see PA series)
11. Remove extg. guardrail – 1,425'
12. Remove extg. fence – 190'
13. Remove extg. bollard
    Inst. bollard
    (For details, see RB series)
14. Remove curb
    Const. mountable curb
    (See COTD drg. no. RD700)
15. Const. curb ending
    (See COTD drg. no. RD700)
16. Const. asph. conc. sidewalk
    (For details, see sht. BB04)
17. Remove sidewalk
    Const. P.C. sidewalk – 6" thick
    (For scoring, see BG series)
    (See COTD drg. no. RD721 & RD722)
18. Sta. 3+76+00 to 6+04.32, Rt.
    Remove sidewalk
    Remove extg. rock walls
    Remove extg. basalt wall
    Const. retaining wall
    Const. reinforced conc. sidewalk
    (For details, see GB series)
    (For scoring, see RB series)
    (See COTD drg. no. RD722)
19. Wall backfill at building face
    (for details, see sht. BB04)

SCALE 1 INCH = 20 FEET

20 0 20 40

NOTE:
1. For horizontal geometry of curbs, see shts. BC01–BC06.
2. Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.
3. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

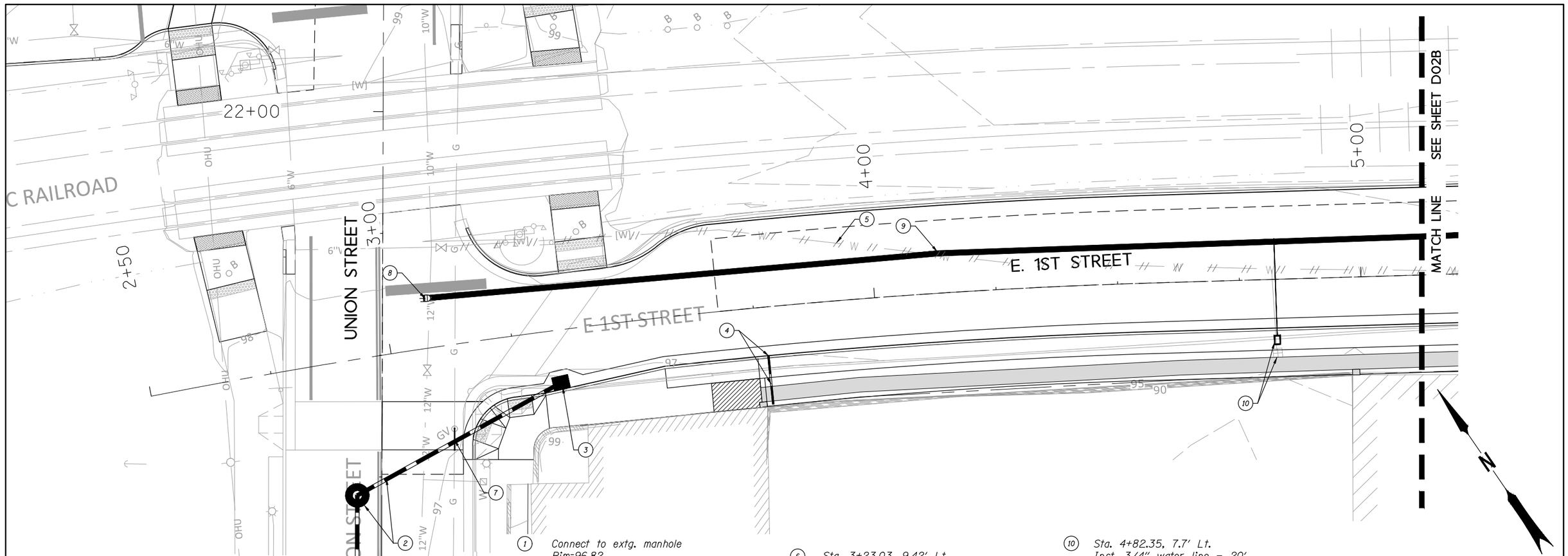
Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

The Hub of the Pacific Northwest
CITY of THE DALLES
OREGON

GENERAL CONSTRUCTION

SHEET NO. D01A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D01A
Plotted: 10/9/25 at 8:51pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



(1) *Connect to extg. manhole*
Rim=96.82
IE In (NE)=92.92
Inst. 8" storm sew. pipe - 94'
S=1.00%
5' depth
Grade 2 Trench resurf. 224 sq. yd. per 00405.48
(See COTD drg. nos. RD300, RD302, RD339)

(2) *Sta. "U" 21+21.19, 5.0' lt.*
Const. shallow manhole
Rim=97.3± (match extg.)
IE In (E)=93.96
IE Out (SW)=93.86
Inst. 8" RCP storm sew. pipe - 48'
S=1.15%
5' depth
With concrete cap
Trench resurf. 4 sq. yd.
(See COTD drg. no. RD306, RD336, RD342, RD344, RD345)

(3) *Sta. 3+34.00, Rt.*
Const. type G-1 inlet
Rim=96.91
IE Out (W)=94.51
(See COTD drg. no. RD363, RD364)

(4) *Sta. 3+77.18, Rt.*
Const. weep hole discharge in curb
Inst. 3" PVC pipe - 10'
(See COTD drg. no. RD700)

(5) *Remove or abandon extg. water line*

(6) *Sta. 3+23.03, 9.42' Lt.*
Inst. 12" 45-deg bend
Inst. 12" water line - 91'
Inst. concrete thrust block
3' depth
Trench resurf. 12 sq. yd.
(See COTD drg. no. RD250)

(7) *Coordinate with NW Natural to relocate extg. gas line over proposed storm drain*

(8) *Sta. 3+09.31' 10 LT.*
Connect to extg. water line via hot tap
Contractor to verify Size of Ex. Pipe. Prior to installation and ordering parts
Inst. 12" Hot Tap
Inst. 12" water line - 107'
Inst. concrete thrust block
3' depth
Trench resurfacing 30 sq. yd.
(See COTD drg. no. RD250)

(9) *Sta. 4+13.67, 8.2' Lt.*
Deflection, Inst. 12" water line - 120'
3' depth
Trench resurf. 31 sq. yd.

(10) *Sta. 4+82.35, 7.7' Lt.*
Inst. 3/4" water line - 20'
3' depth
Trench resurf. 3 sq. yd.
Reconnect building water service
Field verify size and location
Relocate water meter
(See COTD drg. no. RD274)
Reconstruct service line. Licensed plumber to do work on customer side of the meter

SCALE 1 INCH = 20 FEET
20 0 20 40

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *Water valves to be only operated by city public works crew. Contractor to call city 24 hours before construction.*

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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OREGON

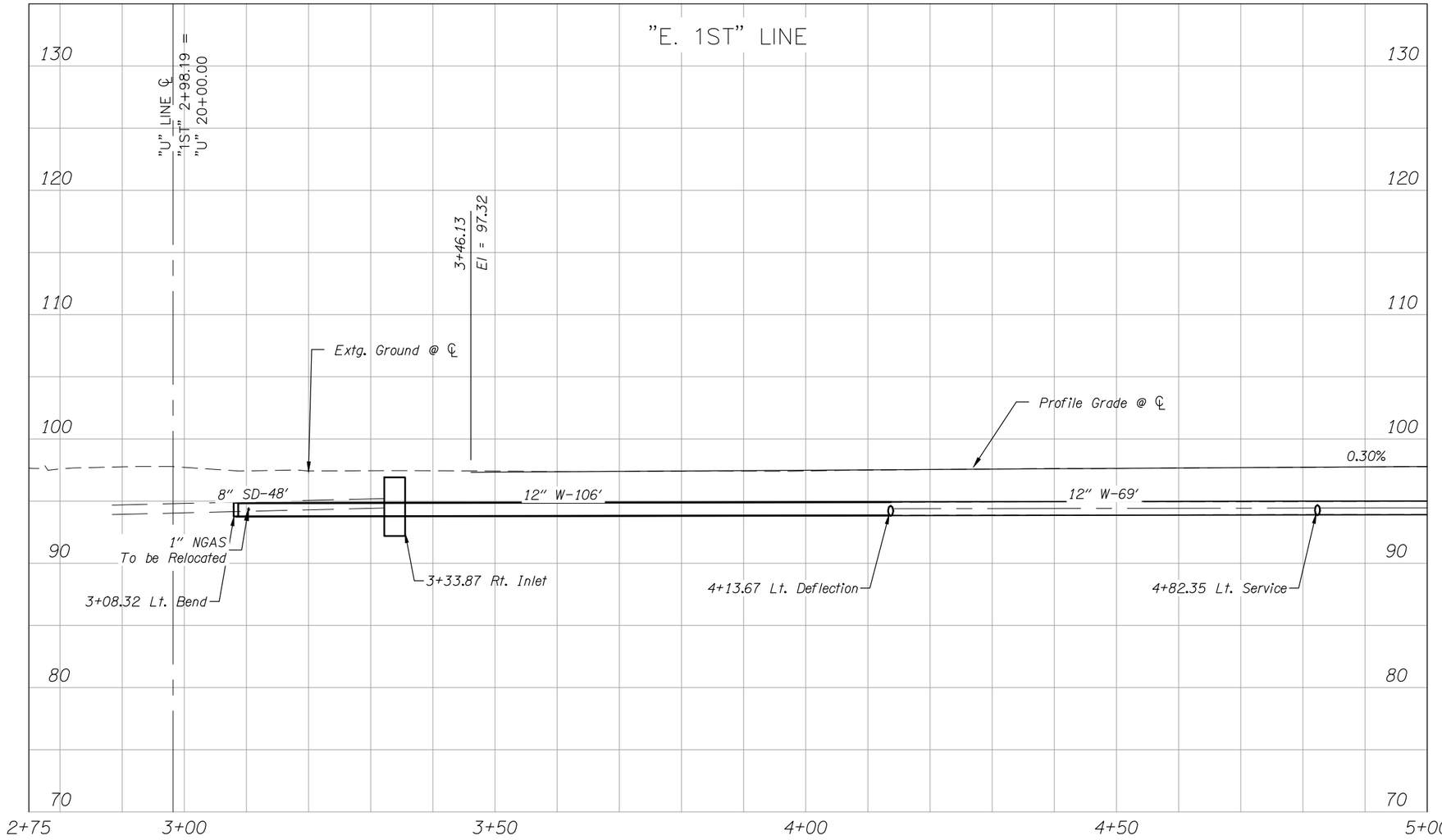
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

DRAINAGE & UTILITIES

SHEET NO. D01B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D01B
Plotted: 10/9/25 at 8:54pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xai-lum 7286xut-WT 7286xst 7286xsv 7286xut-SD 7286xsv-Union 24115 illumination base X_230065_IRRG



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO.
D01C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D01C
Plotted: 10/9/25 at 8:56pm By: pschmidtke
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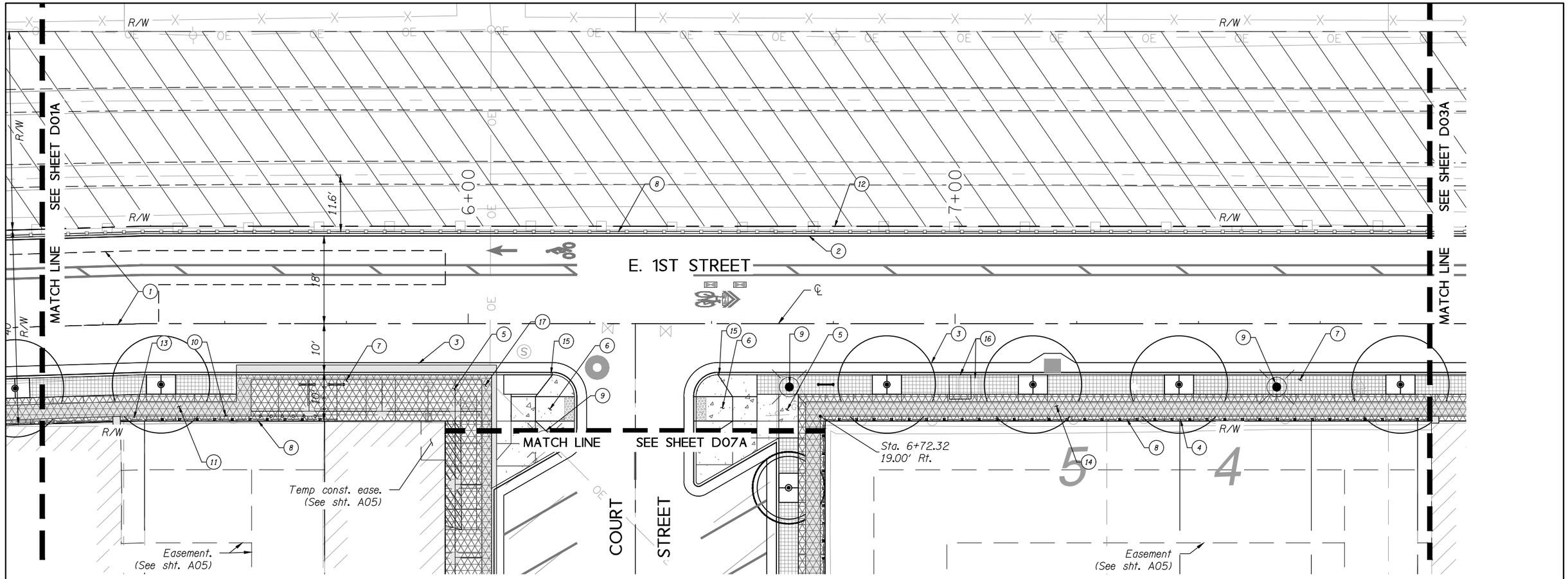

1. Sawcut extg. pavement
2. Const. standard curb
3. Const. curb and gutter
4. Remove extg. railing, save black chain link fencing, deliver to the City Public Works Shop. - 127'
5. Remove sidewalk
   Const. separated P.C. conc. sidewalk
   Sidewalk scoring
   (For scoring, see RB series)
   (See COTD drg. no. RD721 & RD722)
6. Const. curb ramp
   (For details, see sht. BC03)
7. Furnishing zone
   (For details, see RB series)
8. Const. ornamental pedestrian rail
   (For details, see RB series)
9. Inst. luminaire
   (For locations, see RB series)
   (For details, see PA series)
10. Remove extg. wall cavity
    Sta. 5+28± to Sta. 5+70±
    (For details, see GB series)
11. See sht. D01A, note 18
    Remove sidewalk
    Remove extg. walls
    Const. retaining wall
    Const. reinforced conc. sidewalk
12. See sht. D01A, note 11
    Remove extg. guardrail
13. See sht. D01A, note 12
    Remove extg. fence
14. Sta. 6+73.32 to 9+22.60, Rt.
    Remove sidewalk
    Remove extg. rock wall
    Remove extg. basalt wall
    Const. retaining wall
    Const. reinforced conc. sidewalk
    (For details, see GB series)
    (For scoring, see RB series)
    (See COTD drg. no. RD722)
15. Install City provided concrete stamp
16. Remove and Save Steel Doors
    Reinstall steel doors in landscape area
17. Sawcut, Remove, and Save concrete panel with "C.C. HEDGE 1911".
    Deliver to City.

SCALE 1 INCH = 20 FEET

20 0 20 40

NOTE:
1. For horizontal geometry of curbs, see shts. BC01-BC06.
2. Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.
3. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.

REGISTERED PROFESSIONAL ENGINEER
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OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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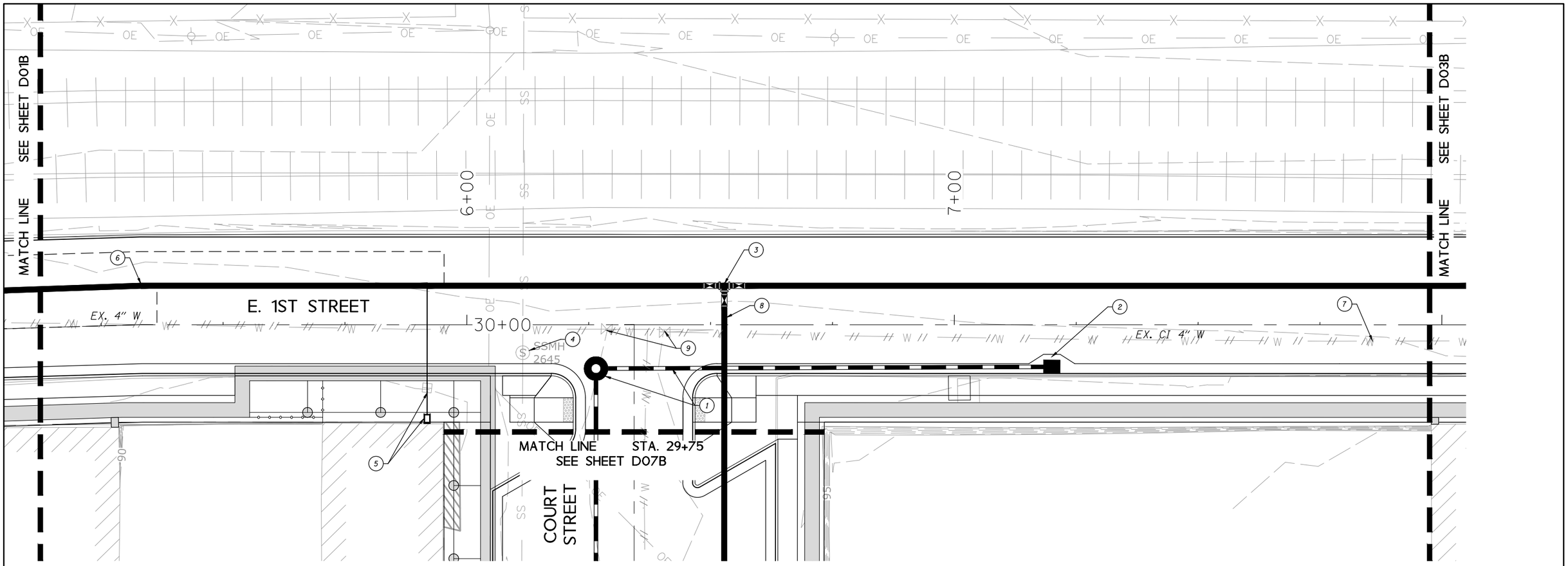
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

GENERAL CONSTRUCTION

SHEET NO. D02A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D02A
Plotted: 10/9/25 at 8:52pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



(1) *Sta. 6+26.49, 9' Rt.*
Const. shallow manhole
Rim=97.99
IE 8" In (SE)=95.38
IE 8" Out (SW)=95.28
Inst. 8" storm sew. pipe - 94'
S=0.67%
Trench resurfacing 30 sq. yd.
5' depth
with concrete cap

(2) *Sta. 7+20.00, Rt. Gutter line*
Const. type G-1 inlet
Rim=97.58
IE Out (NW)=96.01
(See COTTD drg. no. RD363, RD364)

(3) *Sta. 6+52.82, 8' Lt.*
Inst. 12x12x12 tee with restrained joints.
Inst. (3) 12" gate valves with
restrained joints
Inst. concrete thrust block
Inst. 12" water line - 347'
3' depth
Trench resurfacing 120 sq. yd.
(See COTD drg. no. RD250, RD258, RD300)

(4) *Minor adjust manhole*

(5) *Sta 5+91.84*
Inst. 3/4" water line - 20'
3' depth
Trench resurf. 3 sq. yd.
Reconnect building water service
Field verify size and location
Relocate water meter
(See COTD drg. no. RD274)
Meter to be wired from top and hanging down
Reconstruct service line. Licensed
plumber to do work on customer side of the
meter.

(6) *Sta. 5+33.27, 8' Lt.*
Deflection, Inst. 12" water line - 117'
3' depth
Trench resurf. 16 sq. yd.

(7) *Remove or abandon extg. water line*

(8) *Inst. 12" water line - 137'*
3' depth
Trench resurfacing 32 sq. yd.

(9) *Remove extg. water valve - 2*

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *Water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.*

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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The Hub of the Pacific Northwest
CITY OF THE DALLES
OREGON

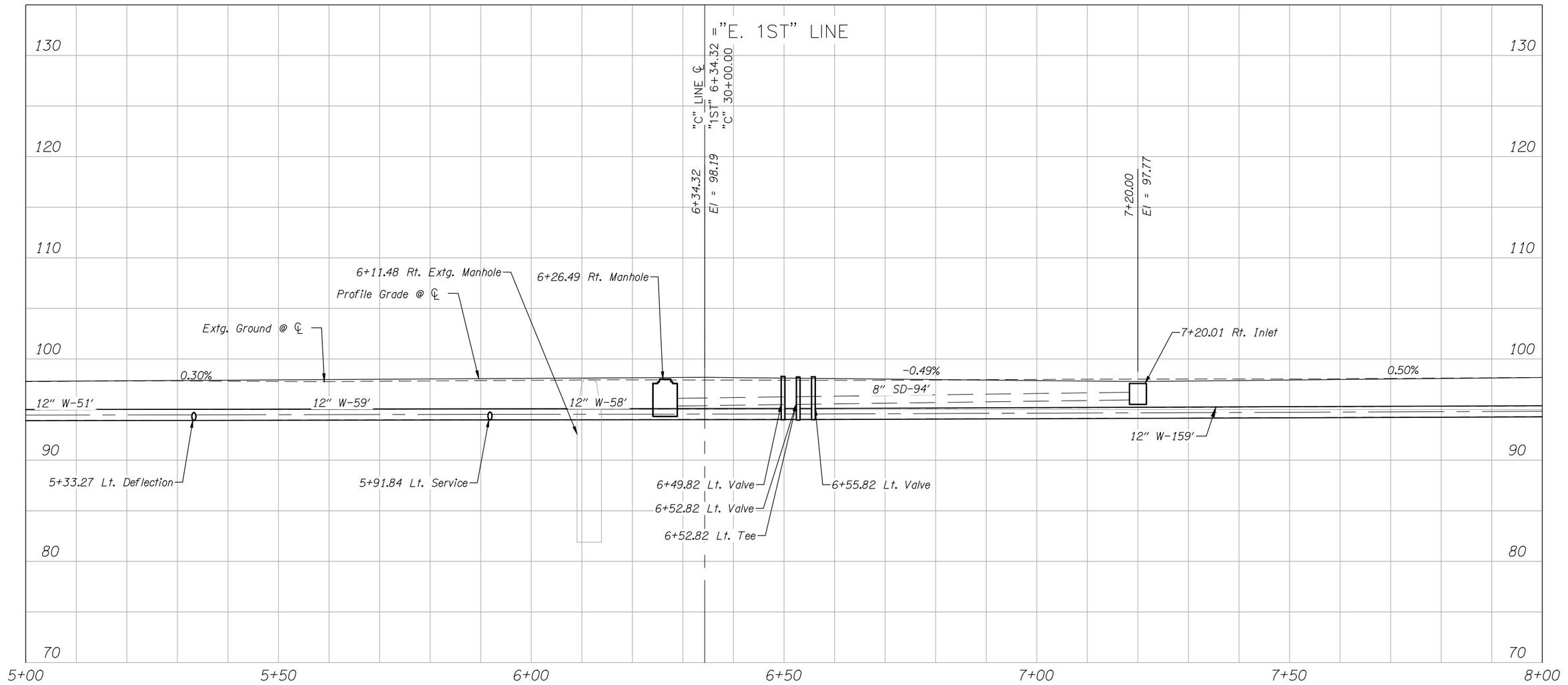
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

DRAINAGE & UTILITIES

SHEET NO. D02B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D02B
Plotted: 10/9/25 at 8:54pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286kai-lum 7286xut-WT 7286xst 7286xsv 7286xut-SD 7286xsv-Union 24115 illumination base X_230065_IRRG



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

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OREGON
Dec. 27, 2012
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WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO.
D02C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D02C
Plotted: 10/9/25 at 8:56pm By: pschmidtke
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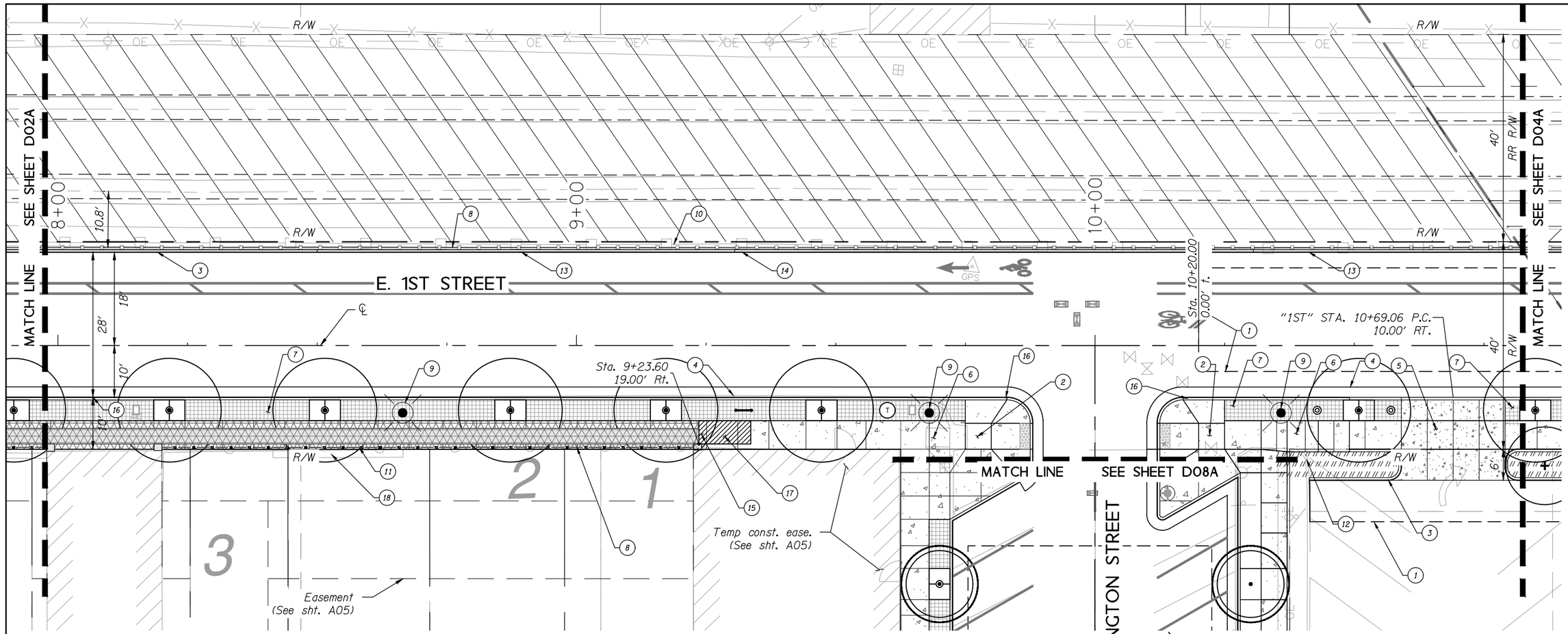

(1) Sawcut extg. pavement

(2) Const. curb ramp
(For details, see sht. BC04)

(3) Const. standard curb

(4) Const. curb and gutter

(5) Const. Conc. dwy (commercial)
(For details, see sht. BB04)
(See COTD drg. no. RD740)

(6) Remove sidewalk
Const. separated P.C. conc. sidewalk
Sidewalk scoring
(For scoring, see RB series)
(See COTD drg. no. RD721 & RD722)

(7) Furnishing zone
(For details, see RB series)

(8) Const. ornamental pedestrian rail
(For details, see RB series)

(9) Inst. luminaire
(For locations, see RB series)
(For details, see PA series)

(10) See sht. D01A, note 11
Remove extg. guardrail

(11) Remove extg. railing, save black chain link fencing, deliver to the City PW Shop - 104'

(12) Remove extg. curb

(13) Const. modified standard curb
Sta. 8+50 to Sta. 9+25
Sta. 10+25 to Sta. 11+75
(For details, see sht. BA01 & BA02)

(14) Const. modified curb
Sta. 9+25 to Sta. 10+25
(For details and location, see sht. BA01)

(15) See sht. D02A, note 14

(16) Install City provided concrete stamp

(17) Wall backfill at building face
(for details, see sht. BB04)

(18) Protect for Historical Facade

SCALE 1 INCH = 20 FEET
20 0 20 40

NOTE:
1. For horizontal geometry of curbs, see shts. BC01-BC06.
2. Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.
3. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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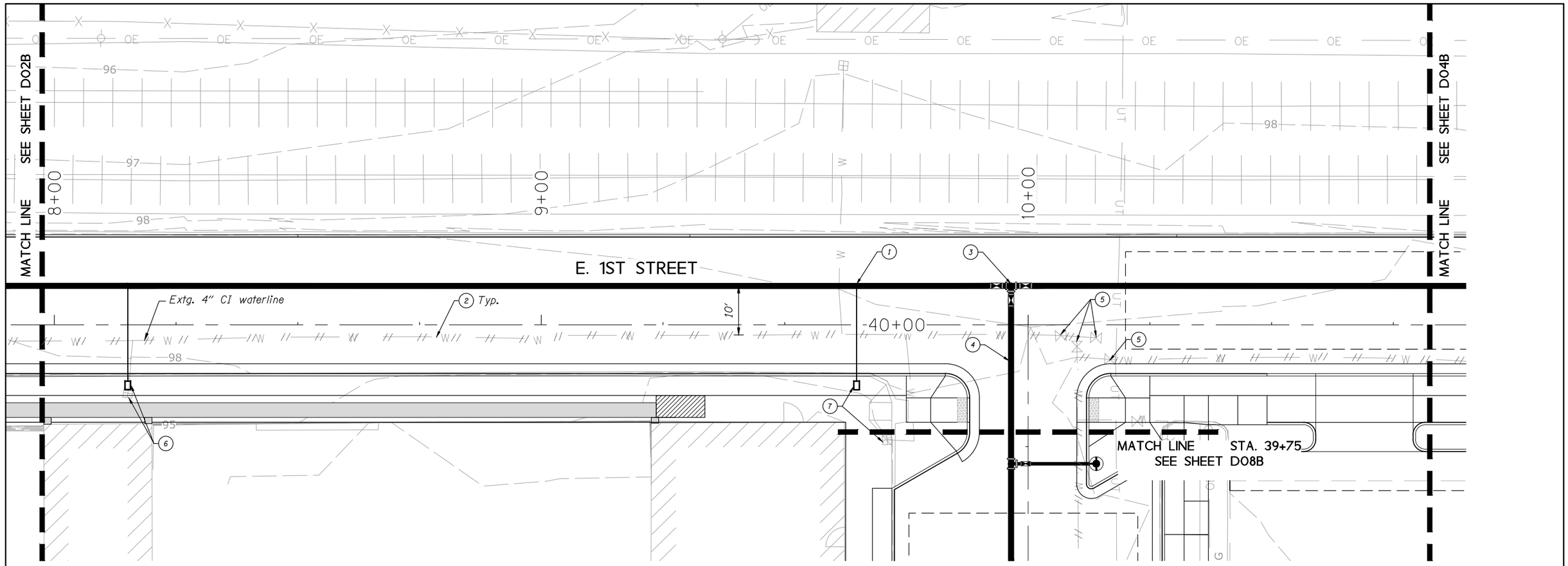
Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

GENERAL CONSTRUCTION

SHEET NO. D03A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D03A
Plotted: 10/9/25 at 8:52pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



1. *Sta. 9+61±, 8'± Lt.*
   Connect to extg. water service line
   Field verify size and location
   (See COTD drg. no. RD274)

2. *Remove or abandon extg. water line*

3. *Sta. 9+96.49, 8' Lt.*
   Inst. 12" tee with restrained joints
   Inst. (3) 12" gate valves with restrained joints
   Inst. concrete thrust block
   Inst. 12" water line - 405'
   3' depth
   Trench resurf. 135 sq. yd.
   (See COTD drg. no. RD250)

4. *Inst. 12" water line - 34'*
   3' depth

5. *Remove existing valve - 4*

6. *Sta. 8+15±, 14'± Rt.*
   Relocate water meter
   Inst. 3/4" water line - 20'
   3' depth
   Trench resurfacing 3 sq. yd.
   Field verify size and location
   Reconnect building water service
   (See COTD drg. no. RD274)
   Licensed plumber to do work on customer side of the meter

7. *Sta. 9+64.76, 24' Rt.*
   Relocate water meter
   Inst. 3/4" water line - 20'
   3' depth
   Trench resurfacing 3 sq. yd.
   Reconnect building water service
   Field verify size and location
   (See COTD drg. no. RD274)
   Reconstruct x lf of service line. Licensed plumber to do work on customer side of the meter.

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *Water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.*

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OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

DRAINAGE & UTILITIES

SHEET NO. D03B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D03B
Plotted: 10/9/25 at 8:54pm By: pschmidtke
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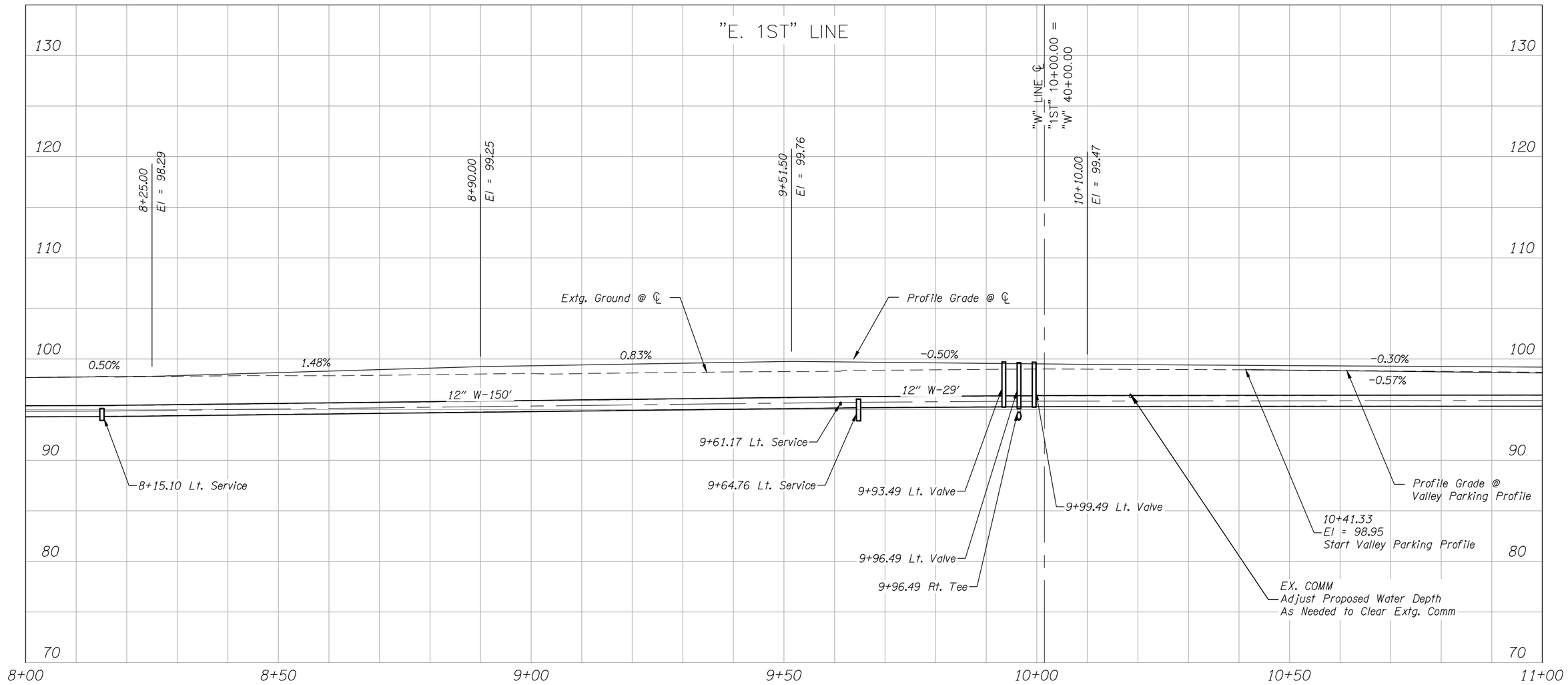

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

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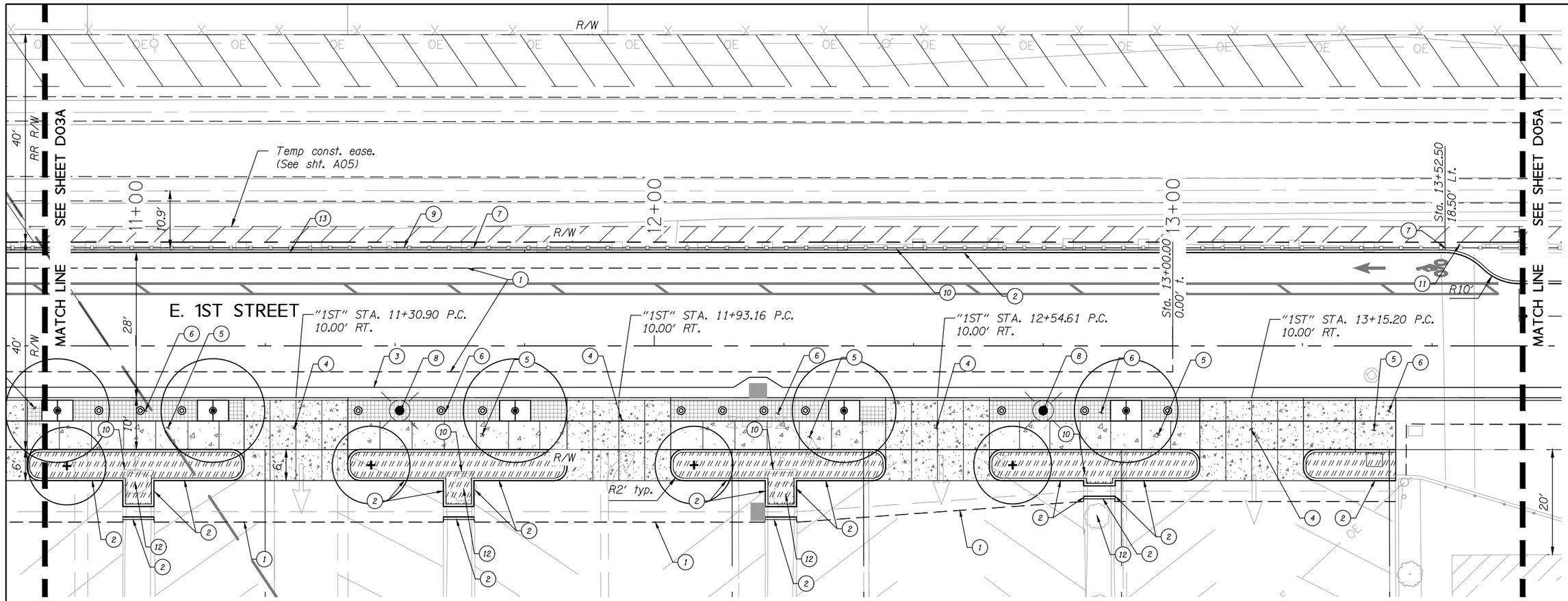
OREGON

PROFILE

SHEET NO.
D03C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D03C
Plotted: 10/9/25 at 8:56pm By: pschmidtke
XREFs: x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst 7286xut-WT 7286xut-SD X_230065_IRRG



(1) *Sawcut extg. pavement*

(2) *Const. standard curb*

(3) *Const. curb and gutter, modified*
(For details, see sht. BB04)

(4) *Const. Conc. dwy. (commercial)*
(For details, see sht. BB04)
(See COTD drg. no. RD740)

(5) *Const. separated P.C. conc. sidewalk*
Sidewalk scoring
(For scoring, see RB series)
(See COTD drg. no. RD721 & RD722)

(6) *Furnishing zone*
(For details, see RB series)

(7) *Const. ornamental pedestrian rail*
(For details, see RB series)

(8) *Inst. luminaire*
(For locations, see RB series)
(For details, see PA series)

(9) *See sht. D01A, note 11*
Remove extg. guardrail

(10) *Remove extg. curb*

(11) *Remove extg. bollard*

(12) *Tree*

(13) *Sheet sht. D04A, note 13*
Const. modified standard curb

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. *For horizontal geometry of curbs, see shts. BC01-BC06.*
2. *Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.*
3. *During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.*

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

kpff Consulting Engineers
111 SW 5th Avenue
Suite 2600
Portland, Oregon 97204
503-542-3860

The Hub of the Pacific Northwest
CITY of THE DALLES
OREGON

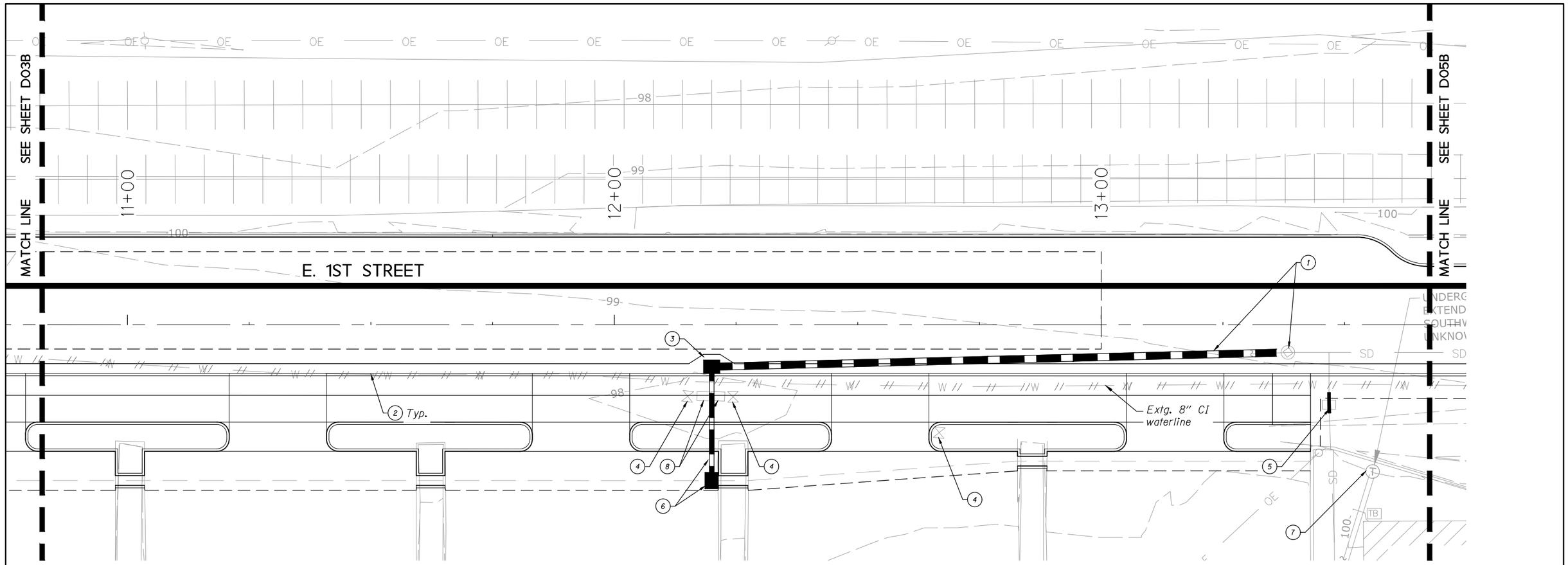
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

GENERAL CONSTRUCTION

SHEET NO. D04A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D04A
Plotted: 10/9/25 at 8:52pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



1. *Sta. 13+38±, Rt.*
   Rim=99.08
   Remove storm pipe
   Connect to extg. manhole
   Minor adjust manhole
   IE 15" In (NW)=94.12
   IE 15" Out (SE)=94.12
   Trench resurfacing 40 sq. yd.
   Inst. 15" storm sew. pipe - 118'
   S=0.53%
   5' depth

2. *Remove or abandon extg. water line*

3. *Sta. 12+20.00, Rt.*
   Const. type G-2 inlet
   Rim=98.65
   IE 10" IN = 94.74 (SW)
   IE 15" Out (SE)=94.74
   (See COTD drg. no. RD363, RD364)

4. *Adjust water valve - 3*

5. *Remove inlet*
   Field verify and match extg. size and slope
   Inst. 8" storm sew. pipe - 5'
   Connect to extg pipe - 2

6. *Sta. 12+20.00, Rt.*
   Const. type G-1 inlet
   Rim=98.30
   IE Out (E) = 95.30
   Inst. 10" storm sew. pipe - 23'
   S=2.38%
   3' depth
   Trench resurfacing 8 sq. yd.

7. *Minor adjust manhole*
   (See COTD drg. no. RD360)

8. *Remove inlet - 2*

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *Water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.*

REGISTERED PROFESSIONAL ENGINEER
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OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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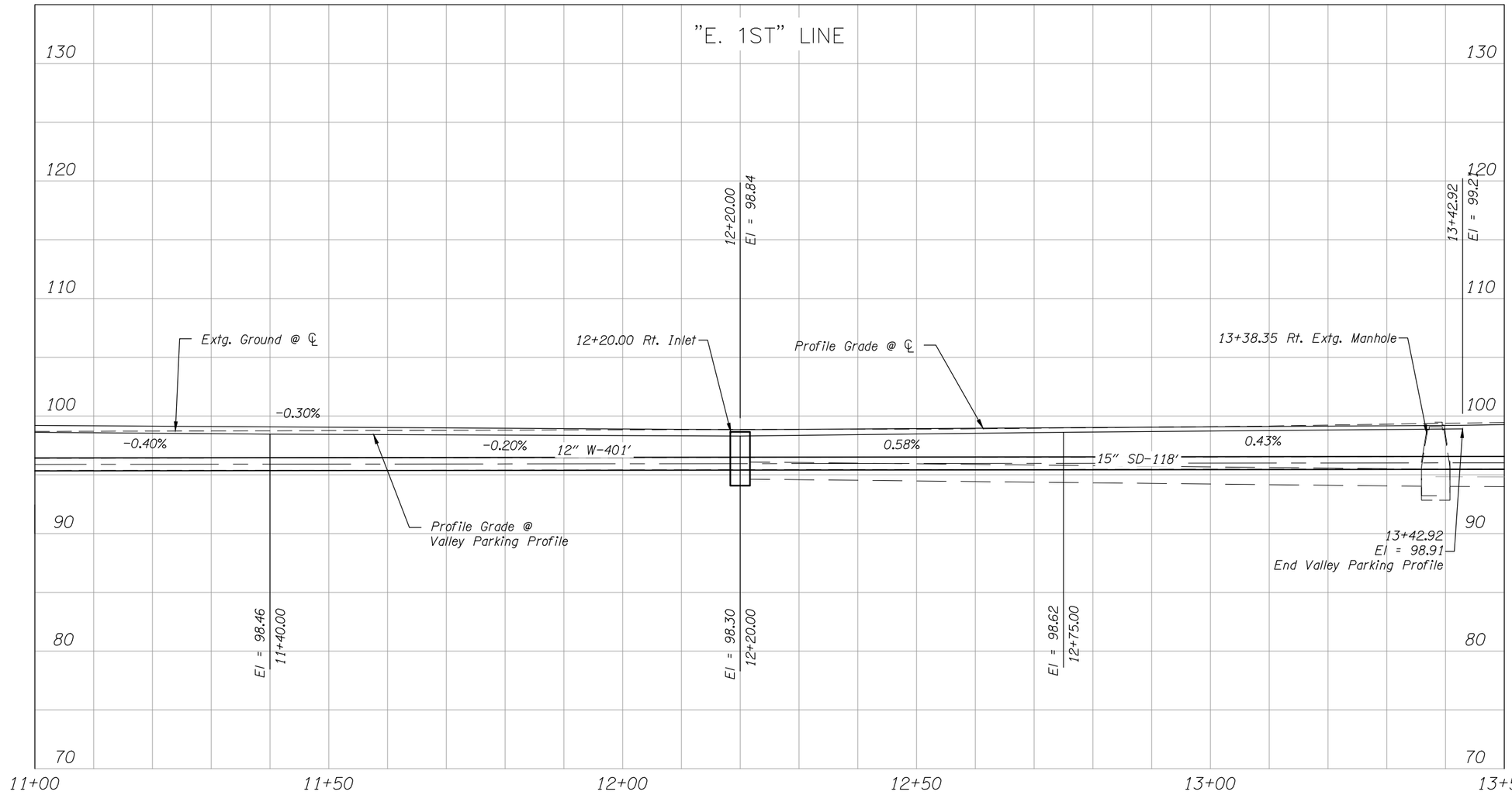
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

DRAINAGE & UTILITIES

SHEET NO. D04B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D04B
Plotted: 10/9/25 at 8:54pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286kai-lum 7286xut-WT 7286xst 7286xsv 7286xut-SD 7286xsv-Union 24115 illumination base X_230065_IRRG



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REGISTERED PROFESSIONAL ENGINEER
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OREGON
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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO. D04C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D04C
Plotted: 10/9/25 at 8:56pm By: pschmidtke
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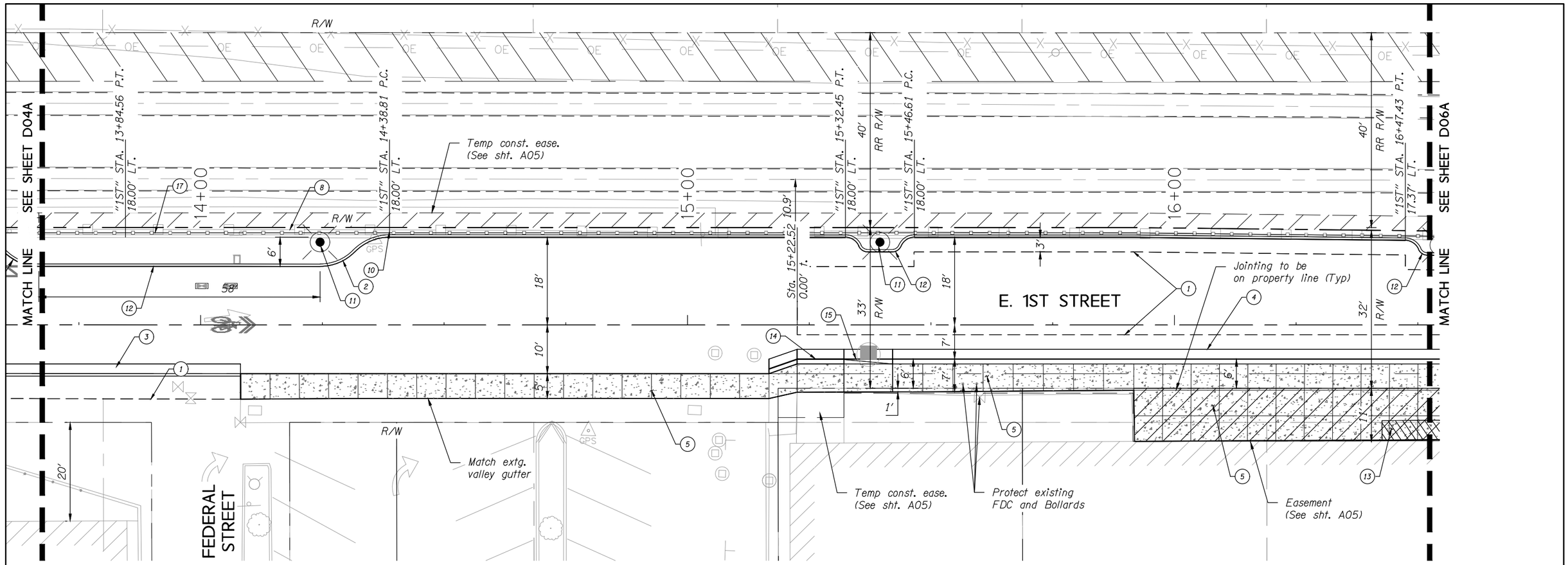

1. Sawcut extg. pavement
2. Const. standard curb
3. Const. curb and gutter
4. Const. low profile mountable curb and gutter
   (For details, see sht. BB04)
5. Const. 8 inch concrete surfacing
   (For details and scoring,
   see sht. BB04 and RB series)
6. Remove asphalt sidewalk
   Const. curb line P.C. conc. sidewalk
   Sidewalk scoring
   (For scoring, see RB series)
   (See COTD drg. no. RD720 & RD722)
7. Const. curb ramp
   (For details, see sht. BC05)
8. See sht. D01A, note 11
   Remove extg. guardrail
9. Furnishing zone
   (For details, see RB series)
10. Const. ornamental pedestrian rail
    (For details, see RB series)
11. Inst. luminaire
    (For locations, see RB series)
    (For details, see PA series)
12. Const. curb extension
    (For details, see sht. BB04)
13. Remove extg. wood stairs. Stairs to be replaced by others.
14. Const. curb and gutter, modified
    (For details, see sht. BB04)
15. Curb type transition
16. Light Pole to be installed per adjacent Federal Street Project
17. Install 6' Wrought Iron Fencing with Mesh Panels
    (Sta. 13+52.50 to 14.38.8) (For details, see RB series)

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. For horizontal geometry of curbs, see shts. BC01-BC06.
2. Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.
3. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.

REGISTERED PROFESSIONAL ENGINEER
86882PE
DIGITALLY SIGNED 2025.10.13 18:35:29-07'00'
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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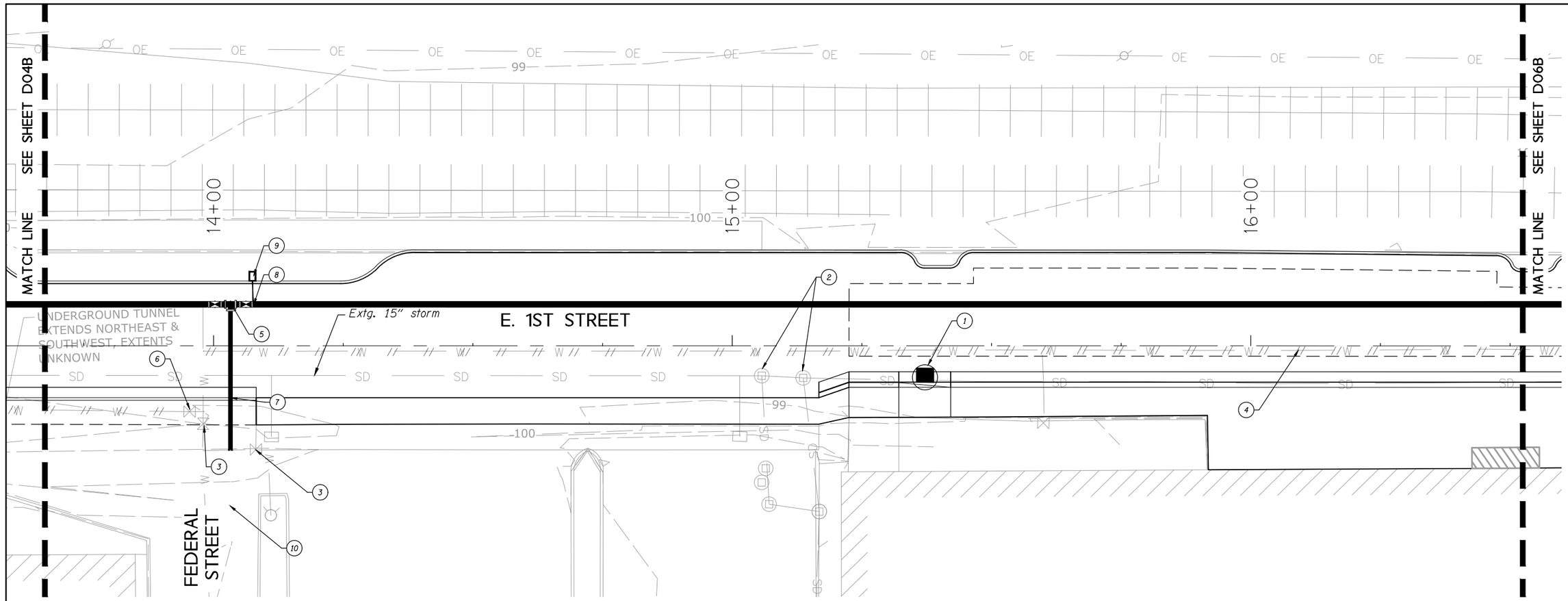
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

GENERAL CONSTRUCTION

SHEET NO. D05A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D05A
Plotted: 10/13/25 at 2:26pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



(1) *Sta. 15+37.19, Rt.*
Const. manhole with inlet
Over extg. storm sew.
(See ODOT drg. no. RD348)
(See COTD drg. no. RD344, RD364)

(2) *Minor adjust manhole - 2*

(3) *Adjust water valve*

(4) *Remove or abandon extg. water line*

(5) *Sta. 14+03.25, 8' Lt.*
Inst. 12"x8" tee with restrained joints.
Inst. (2) 12" gate valves with restrained joints
Inst. concrete thrust block
Inst. 12" water line - 326'
3' depth
Trench resurf. 108 sq. yd.
(See COTD drg. no. RD250)

(6) *Remove extg. valve*

(7) *Inst. 8" water line - 30'*
3' depth
Trench resurfacing 9 sq. yd.
Connect to extg. water line at valve

(8) *Sta. 14+07.6, 8' Lt.*
Inst. 1" Tap with restrained joints
Inst. 1" gate valve with restrained joints
Inst. 1" water line - 5'
3' depth
Inst. concrete thrust block
(See ODOT drg. nos. RD250, RD254)

(9) *Sta. 14+07.6, 13' Rt*
Inst. double check and stub for irrigation, see landscape plans

(10) *Proposed City installed 8" waterline*

SCALE 1 INCH = 20 FEET
20 0 20 40

N

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *Water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.*

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

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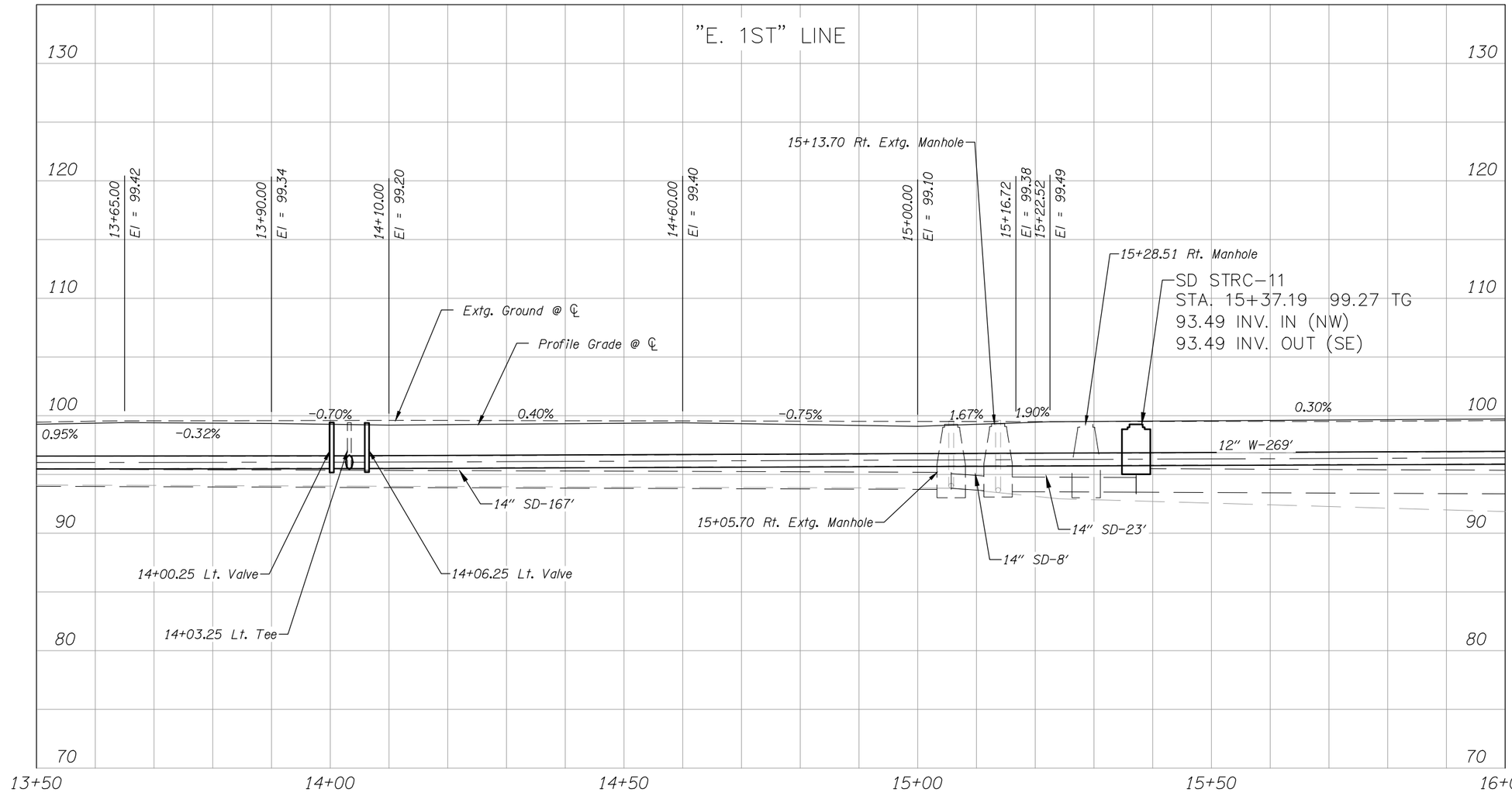
City of THE DALLES
OREGON

DRAINAGE & UTILITIES

SHEET NO. D05B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D05B
Plotted: 10/9/25 at 8:54pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286kai-lum 7286xut-WT 7286xst 7286xsv 7286xut-SD 7286xsv-Union 24115 illumination base X_230065_IRRG



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

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WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO.
D05C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D05C
Plotted: 10/9/25 at 8:57pm By: pschmidtke
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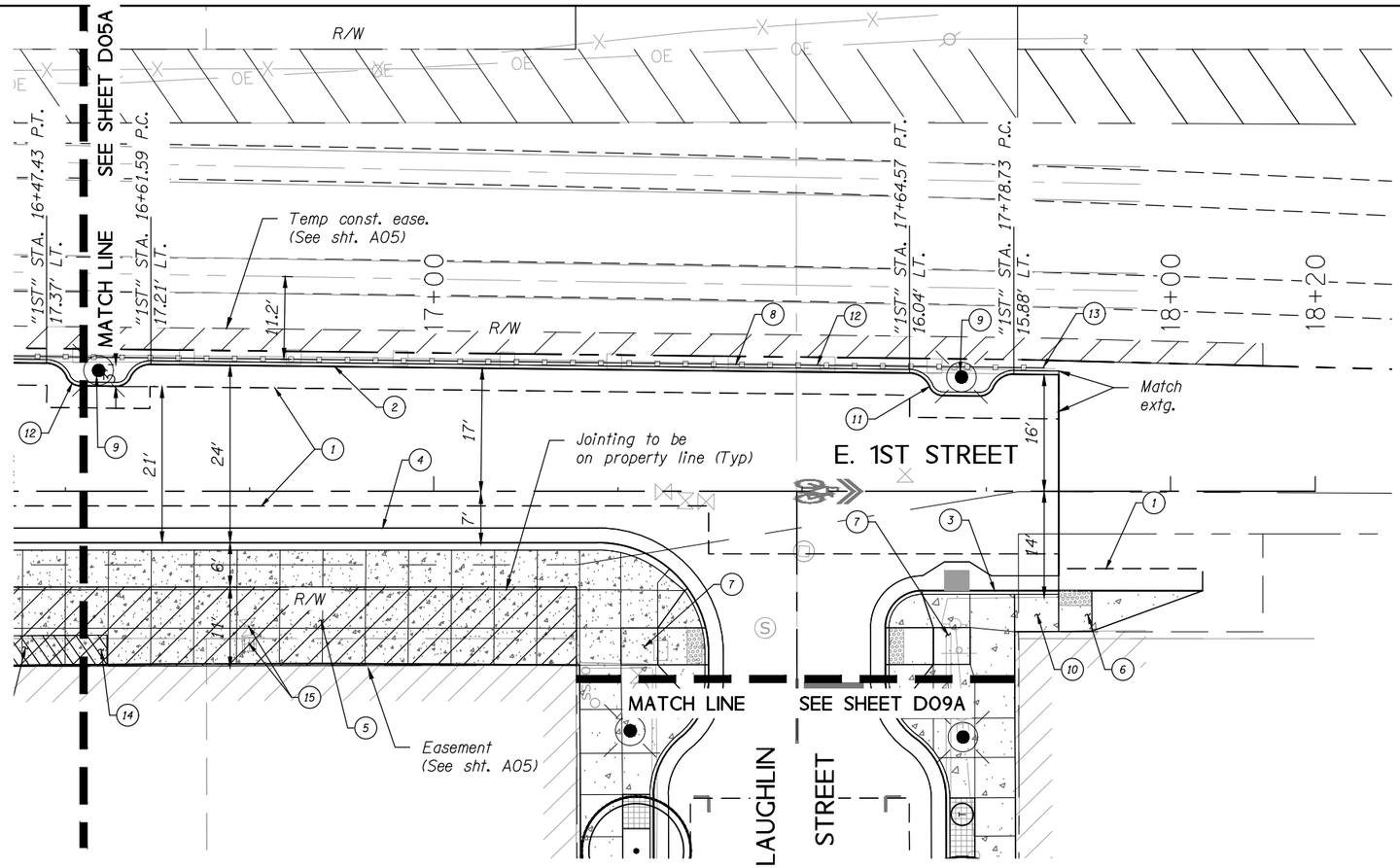

1. Sawcut extg. pavement
2. Const. standard curb
3. Const. curb and gutter
4. Const. mountable curb and gutter
   (For details, see sht. BB04)
5. Const. 8 inch concrete surfacing
   (For details and scoring,
   see sht. BB04 and RB series)
6. Const. curb ramp ending, taper option
   Sidewalk scoring
   (For details, see sht. BC06)
   (See COTD drg. no. RD754)
7. Const. curb ramp
   (For details, see sht. BC06)
8. Const. ornamental pedestrian rail
   (For details, see RB series)
9. Inst. luminaire
   (For locations, see RB series)
   (For details, see PA series)
10. Const. curb line P.C. conc. sidewalk
    Sidewalk scoring
    (For scoring, see RB series)
    (See COTD drg. no. RD720 & RD722)
11. Const. curb extension
    (For details, see sht. BB04)
12. See sht. D01A, note 11
    Remove extg. guardrail
13. Inst. guardrail end piece (Type C)
    (See drg. no. RD417)
14. See sht. D05A, note 13
    Wood stairs
15. Adjust Meter to Finished Grade

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. For horizontal geometry of curbs, see shts. BC01-BC06.
2. Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.
3. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - R.C.

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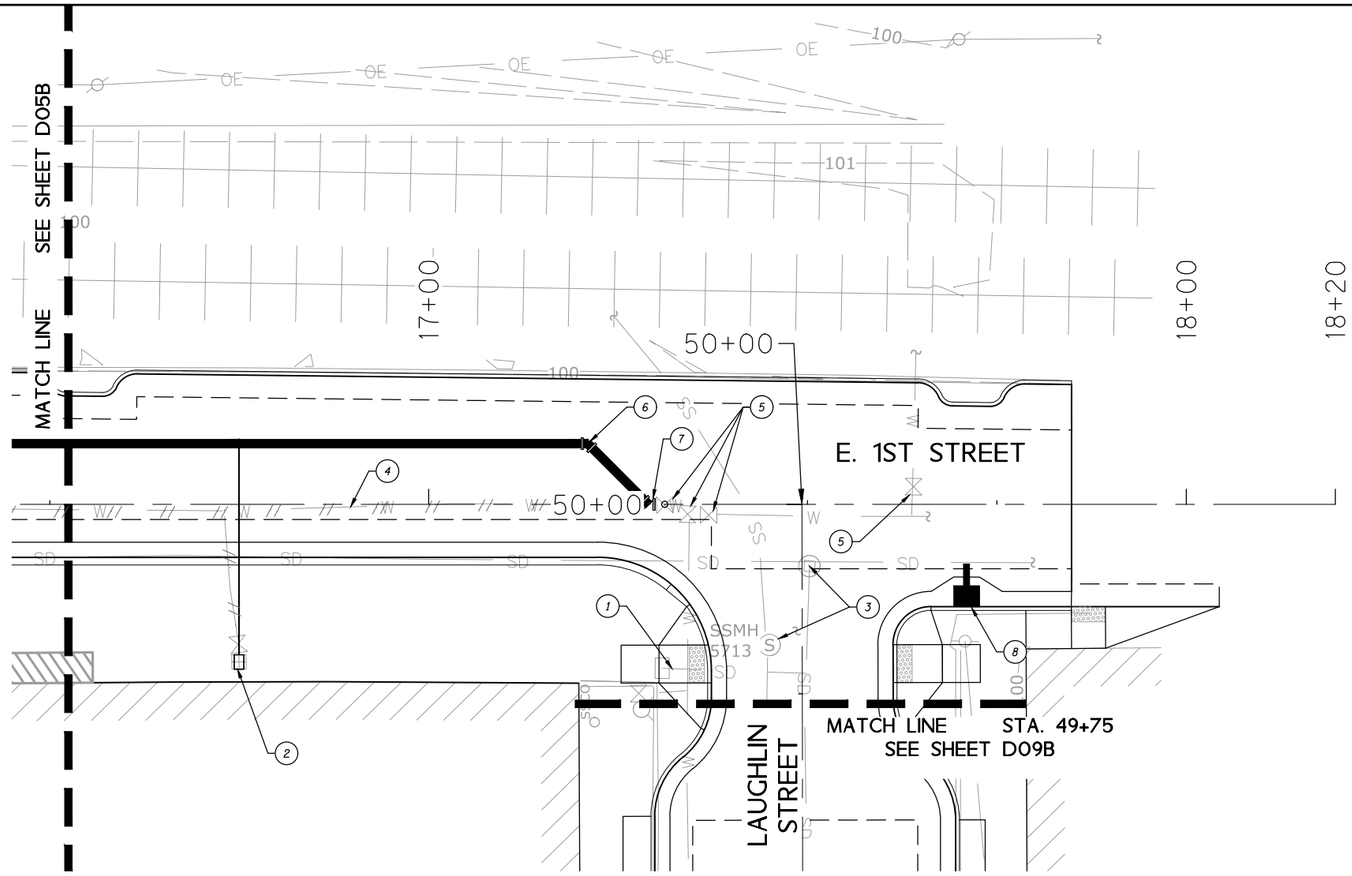
CITY of THE DALLES
OREGON

GENERAL CONSTRUCTION

SHEET NO. D06A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D06A
Plotted: 10/9/25 at 8:52pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



1. *Remove extg. inlet*
   plug and abandon extg. lateral

2. *Sta. 16+75±, 8′ Lt.*
   Connect to extg. water meter
   Inst. 3/4″ water line - 29′
   3′ depth
   Trench resurf. 2 sq. yd.
   Reconnect building water service
   Field verify size and location
   (See COTD drg. nos. RD274)
   Reconstruct service line. Licensed plumber to do work on customer side of the meter

3. *Minor adjust manhole - 2*

4. *Remove or abandon extg. water line*

5. *Adjust water valve - 4*

6. *Sta. 17+21.00, 8′ Lt.*
   Inst. 12″ 45-deg bend with restrained joints.
   Inst. 12″ water line - 11′
   3′ depth.
   Inst. concrete thrust block
   Trench resurf. 3 sq. yd.
   (See COTD drg. no. RD250)

7. *Sta. 17+29.00*
   Inst. 12″ 45-deg bend with restrained joints.
   Connect to extg. 8″ water line at valve
   Inst. concrete thrust block
   (See COTD drg. no. RD250)

8. *Sta. 17+71.00, Rt.*
   Const. type G-1 inlet
   Rim=99.33
   IE 8″ Out (NW) = 96.3
   Inst. 8″ storm sew. pipe - 4′
   S=2.00% min.
   6′ depth
   Connect to extg. 15″ storm pipe
   Verify connection in field to drain.
   Provide field measurements to engineer prior to construction.
   (See COTD drg. no. RD363, RD364)

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *Water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.*

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OREGON
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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

DRAINAGE & UTILITIES

SHEET NO. D06B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D06B
Plotted: 10/9/25 at 8:54pm By pschmidtke
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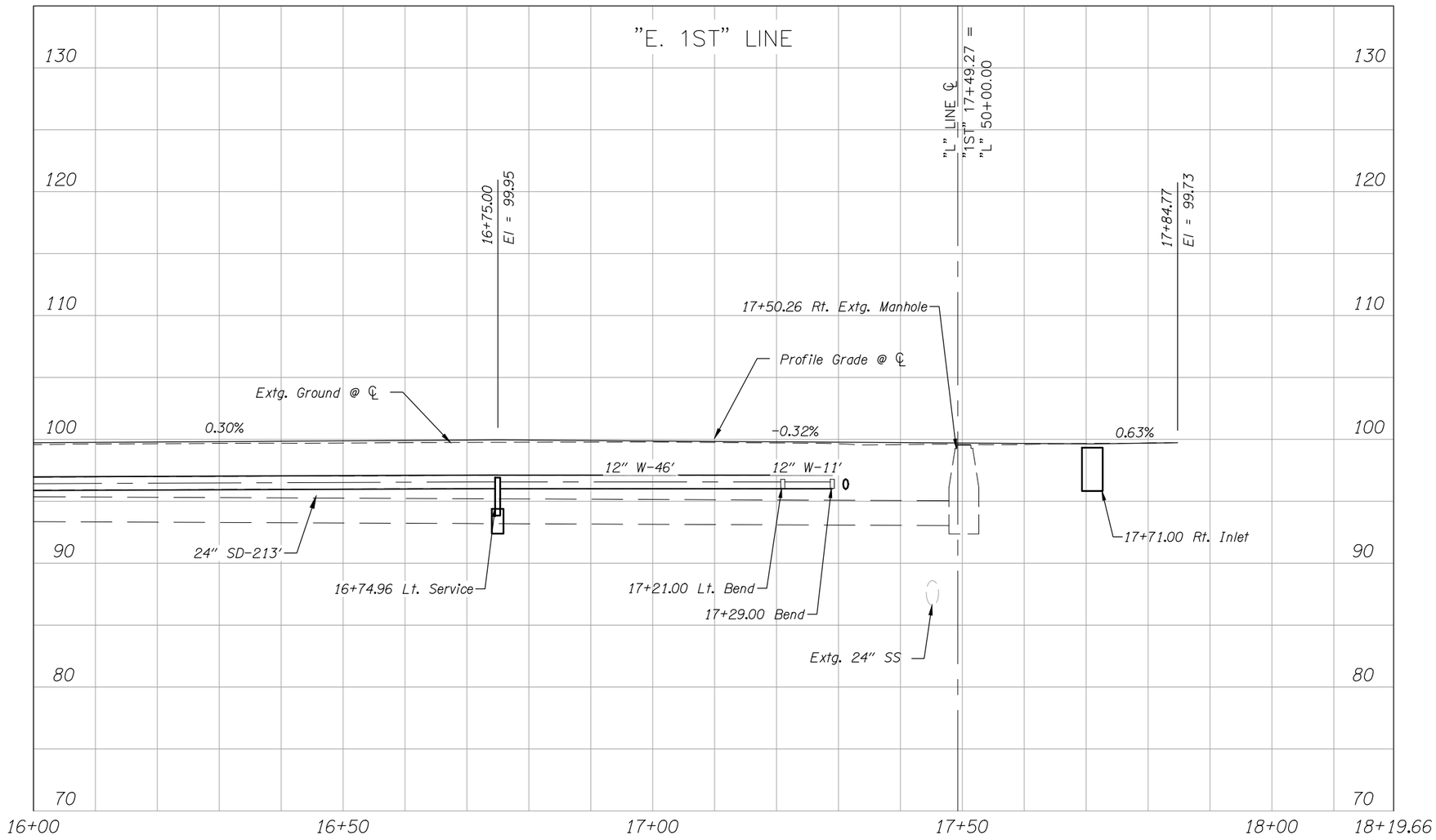

SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REGISTERED PROFESSIONAL ENGINEER
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OREGON
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WASCO COUNTY

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Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO.
D06C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D06C
Plotted: 10/9/25 at 8:57pm By: pschmidtke
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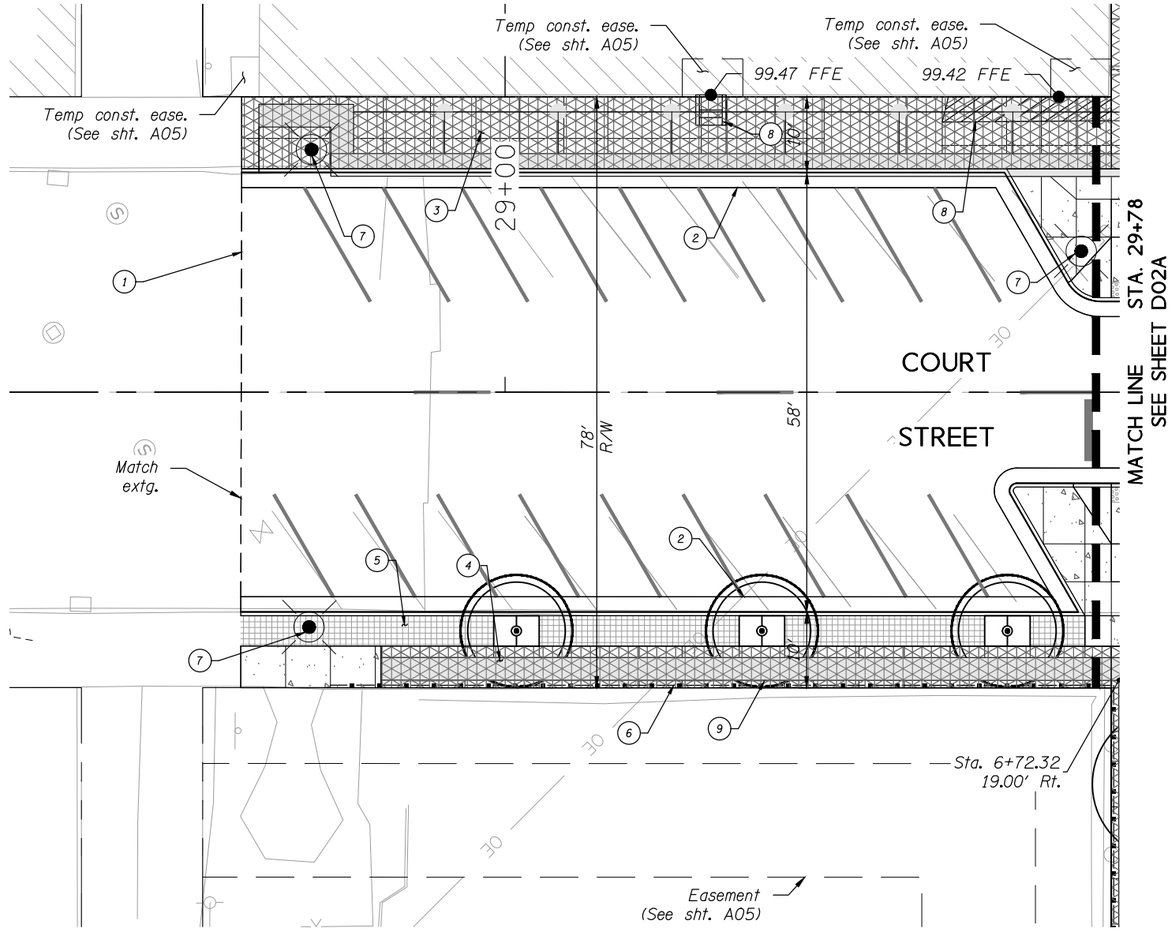

(1) *Sawcut extg. pavement*

(2) *Const. curb and gutter*

(3) *Sta. 28+67.86 to 6+04.32, Lt.*
Remove sidewalk
Remove extg. basalt wall
Const. retaining wall
Const. reinforced conc. sidewalk
Sidewalk scoring
(For details, see GB series)
(For details, see RB series)
(See COTG drg. no. RD720 & RD722)

(4) *Sta. 28+65.18 to 6+73.32, Rt.*
Remove sidewalk
Const. reinforced conc. sidewalk
(For details, see GB series)
(For scoring, see RB series)
(See COTG drg. no. RD722)

(5) *Furnishing zone*
(For details, see RB series)

(6) *Const. ornamental pedestrian rail*
(For details, see RB series)

(7) *Inst. luminaire*
(For locations, see RB series)
(For details, see PA series)

(8) *Remove extg. wood ramp and stairs. Reconstruct stairs by others.*

(9) *Remove extg. railing, save black chain link fencing, deliver to the City PW Shop. - 95'*

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. *For horizontal geometry of curbs, see shts. BC01-BC06.*
2. *Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.*
3. *During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.*

REGISTERED PROFESSIONAL ENGINEER
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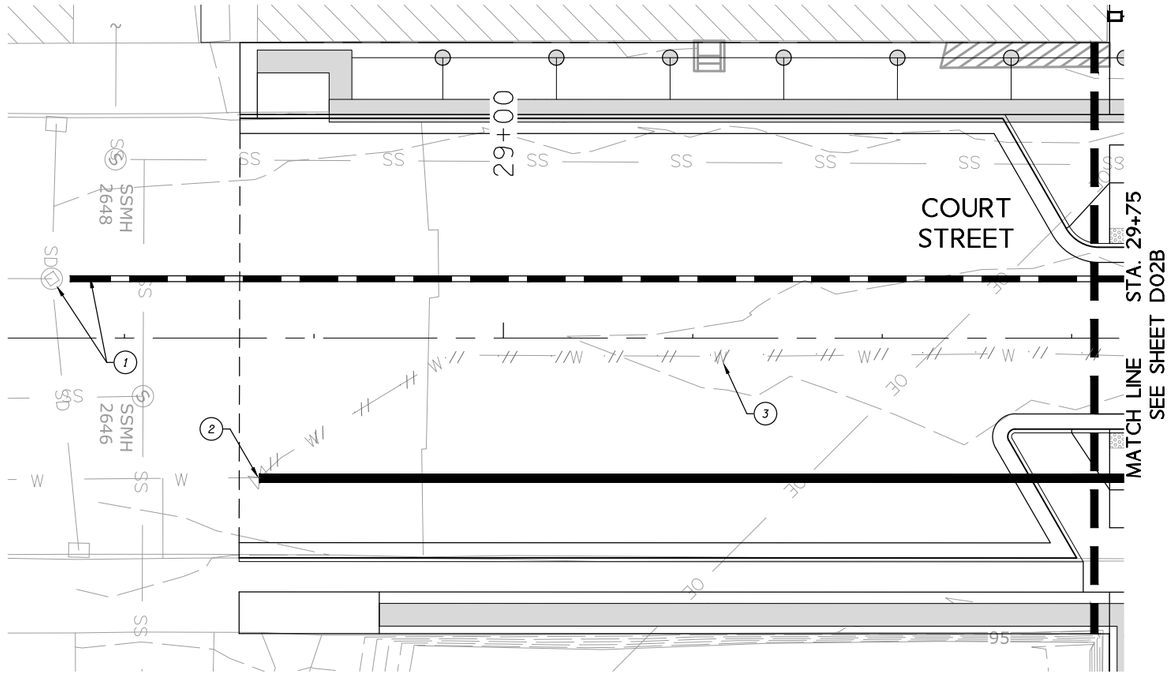
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

GENERAL CONSTRUCTION

SHEET NO. D07A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D07A
Plotted: 10/9/25 at 8:52pm By pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



(1) *Connect to extg. manhole*
Rim=97.44
IE In (N)=94.54
Inst. 8" storm sew. pipe - 151'
S=0.50%
5' depth
Trench resurf. 7 sq. yd.

(2) *Sta. 28+67.85, 18.50' Rt.*
Adjust valve
Connect to existing 6" water line at existing valve.

(3) *Remove or abandon extg. water line*

SCALE 1 INCH = 20 FEET

20 0 20 40

N

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.*

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

kpff Consulting Engineers
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Suite 2600
Portland, Oregon 97204
503-542-3860

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

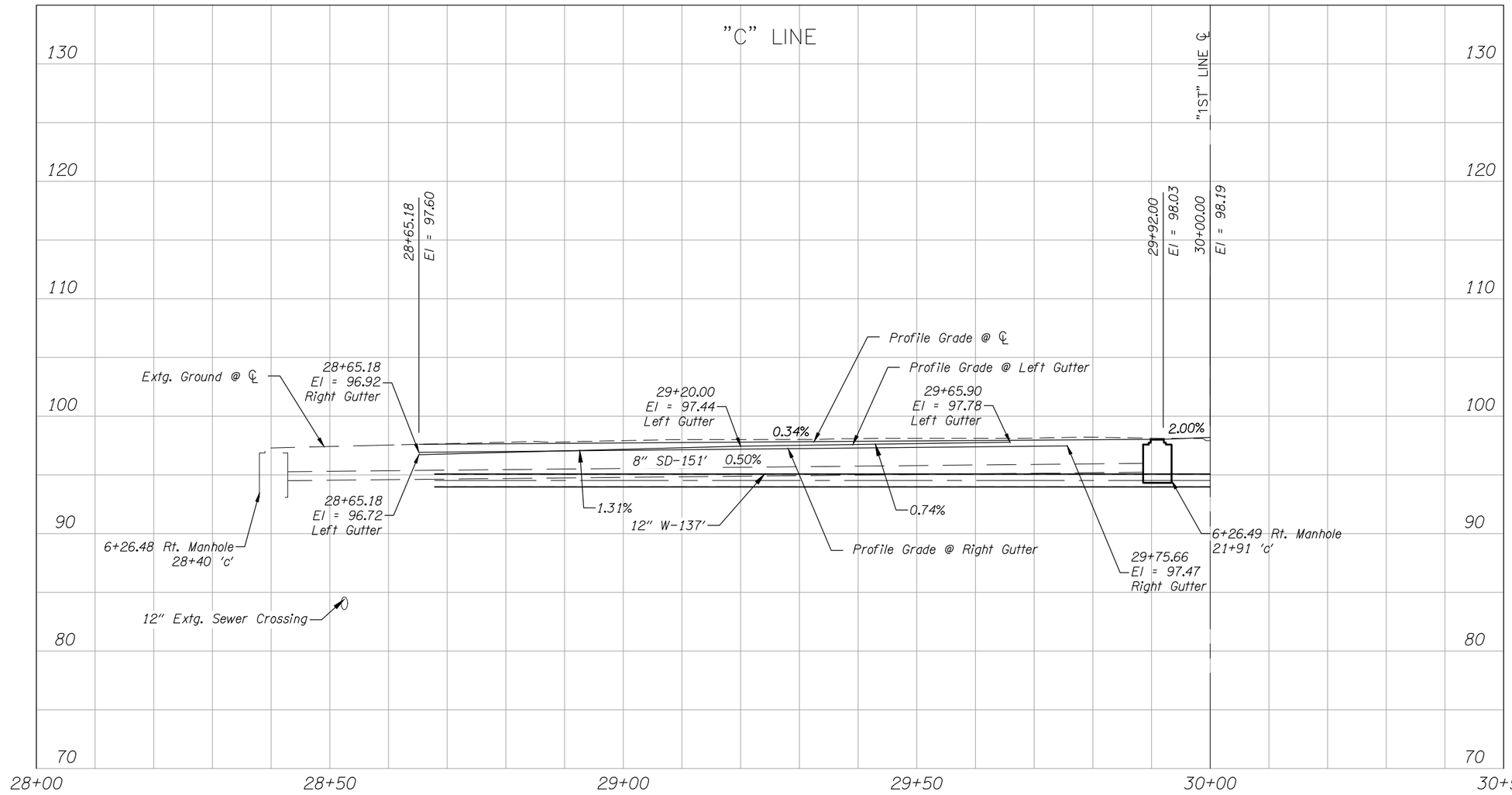
Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

The Hub of the Pacific Northwest
CITY of THE DALLES
OREGON

DRAINAGE & UTILITIES

SHEET NO. D07B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D07B
Plotted: 10/9/25 at 8:54pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286kai-lum 7286xut-WT 7286xst 7286xsv 7286xut-SD 7286xsv-Union 24115 illumination base X_230065_IRRG



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REGISTERED PROFESSIONAL ENGINEER
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PETER S. CRAIG
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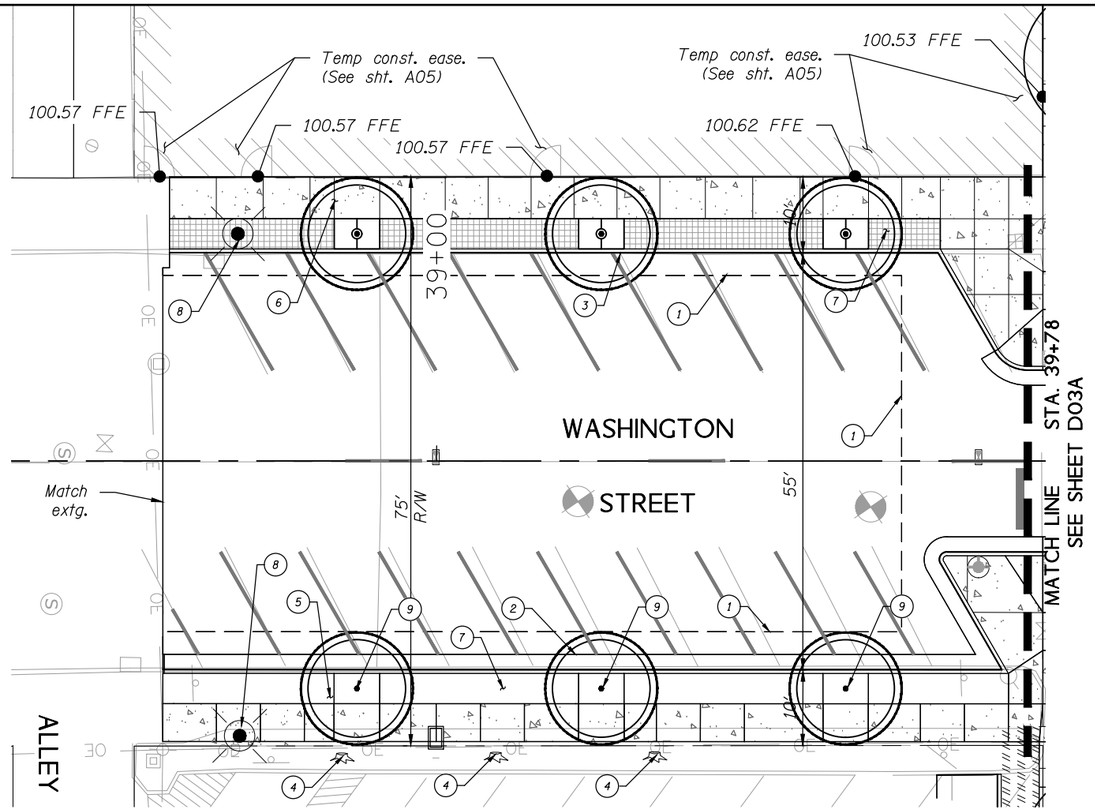
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO.
D07C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D07C
Plotted: 10/9/25 at 8:57pm By: pschmidtke
XREFs: x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst 7286xut-WT 7286xut-SD X_230065_IRRG



1. Sawcut extg. pavement
2. Const. curb and gutter
3. Const. standard curb
4. Remove tree stump
5. Remove sidewalk
   Const. curb line P.C. conc. sidewalk
   Sidewalk scoring
   (For scoring, see RB series)
   (See COTD drg. no. RD721 & RD722)
6. Remove sidewalk
   Const. separated P.C. conc. sidewalk
   Sidewalk scoring
   (For scoring, see RB series)
   (See COTD drg. no. RD720 & 722)
7. Furnishing zone
   (For details, see RB series)
8. Inst. luminaire
   (For locations, see RB series)
   (For details, see PA series)
9. Install tree, see landscape plans

SCALE 1 INCH = 20 FEET

20 0 20 40

NOTE:
1. For horizontal geometry of curbs, see shts. BC01-BC06.
2. Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.
3. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.

REGISTERED PROFESSIONAL ENGINEER
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City of THE DALLES
OREGON

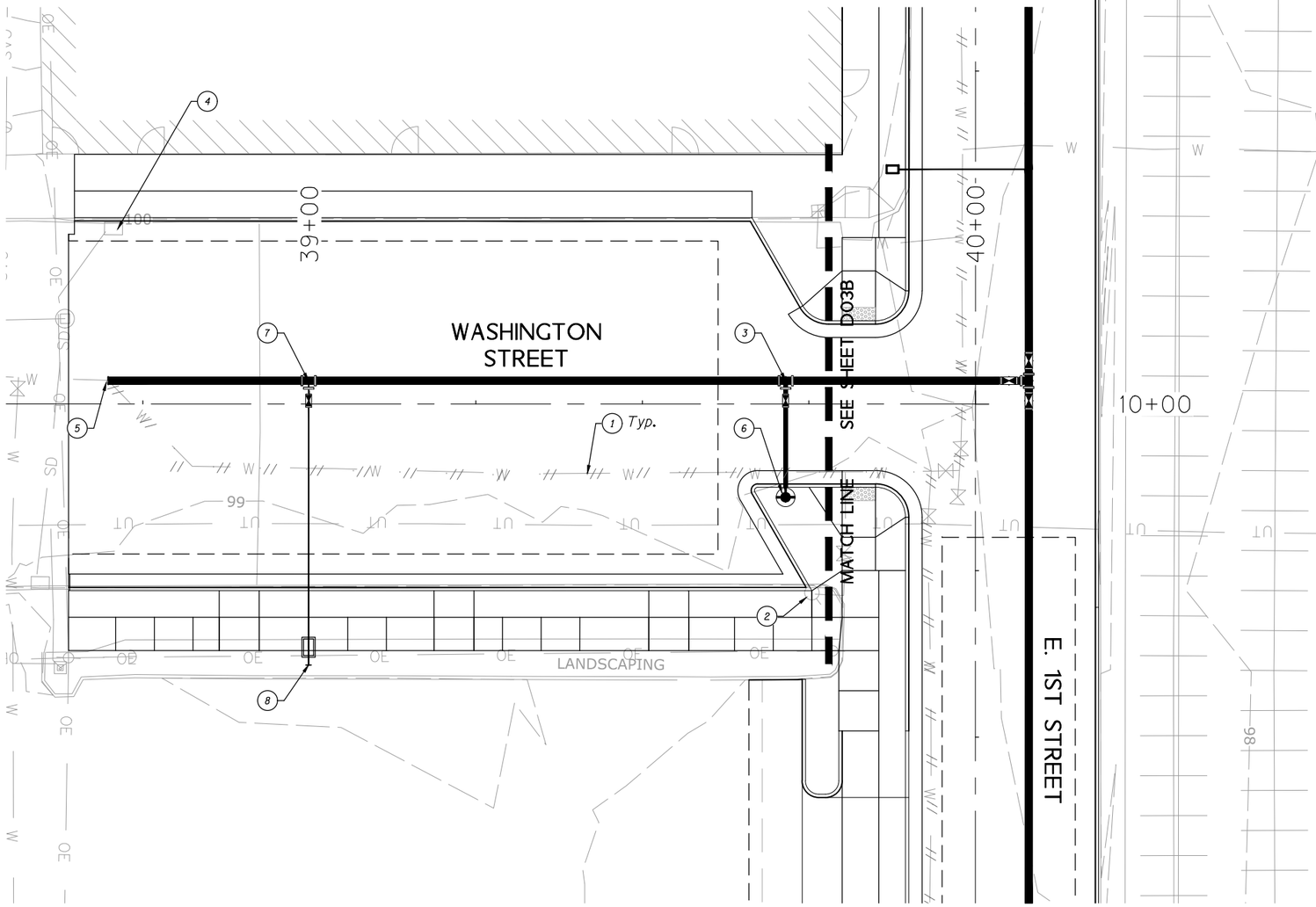
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

GENERAL CONSTRUCTION

SHEET NO. D08A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D08A
Plotted: 10/9/25 at 8:52pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



1. Remove or abandon extg. water line

2. Remove extg. hydrant assembly

3. Sta. 39+71.50, 3.5′ Lt.
   Inst. 12x12x6 tee with restrained joints
   Inst. 6″ gate valve with restrained joints
   Inst. 6″ water line – 18′
   3′ depth
   Inst. concrete thrust block
   (See ODOT drg. nos. RD250, RD254)

4. Remove extg. catch basin
   Plug pipe

5. Sta. 38+69.80, 3.5′ Lt.
   Inst. 12″ water line – 102′
   3′ depth
   Trench resurf. 34 sq. yd.
   Connect to extg. 8″ water line

6. Sta. 39+71.50, 14.0′ Rt
   Inst. hydrant assembly

7. Sta. 38+00, 3.5′ Lt.
   Inst. 1″ Tap with restrained joints
   Inst. 1″ gate valve with restrained joints
   Inst. 1″ water line – 43′
   3′ depth
   Inst. concrete thrust block
   (See ODOT drg. nos. RD250, RD254)

8. Sta. 39+00, 39.5′ Rt
   Inst. double check and stub for irrigation, see landscape plans

NOTE:
1. All dimension are feet unless otherwise noted.
2. Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.
3. water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.

SCALE 1 INCH = 20 FEET
20 0 20 40

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OREGON
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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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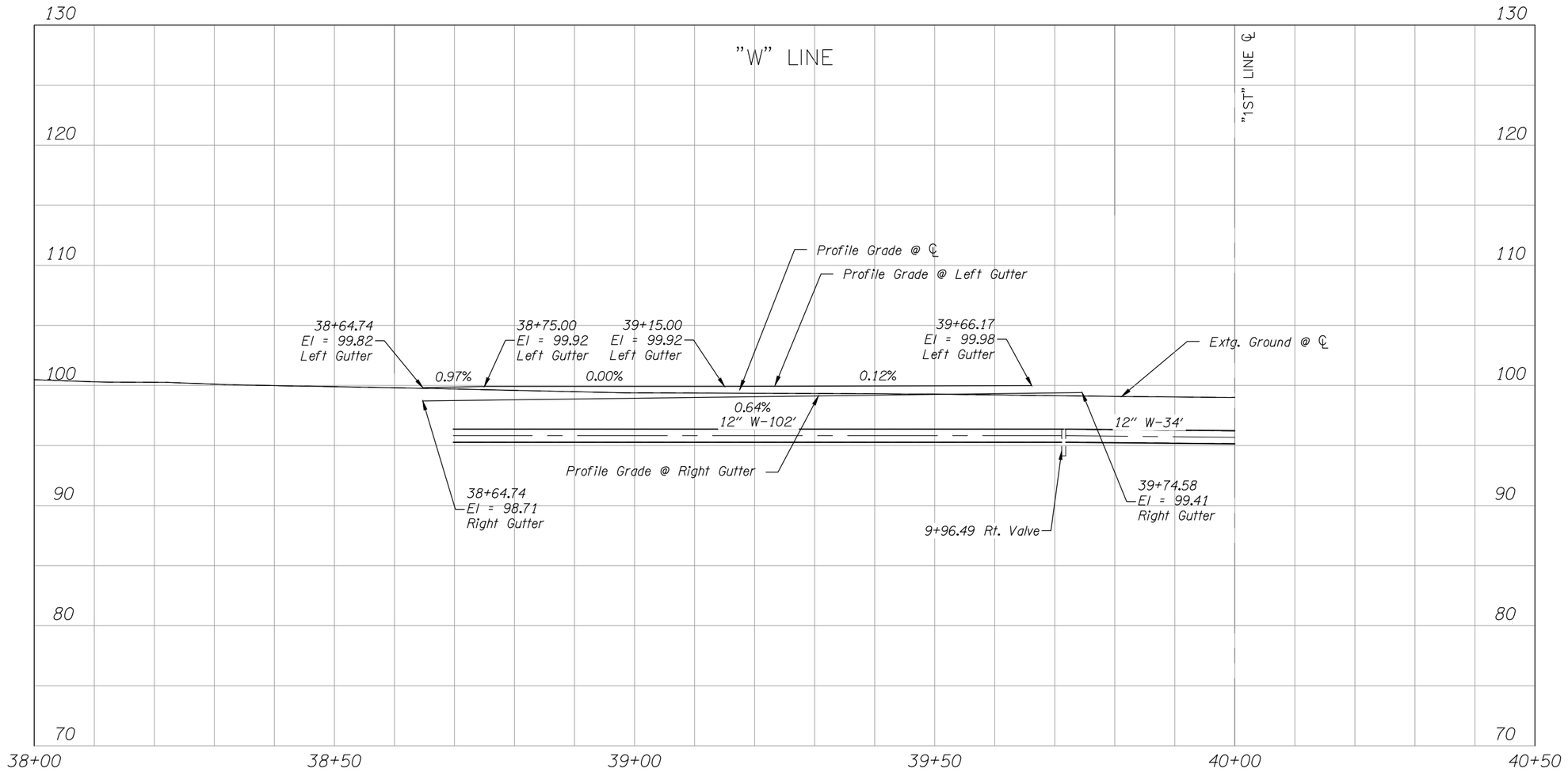
Drafted By - R.C.

The Hub of the Pacific Northwest
City of THE DALLES
OREGON

DRAINAGE & UTILITIES

SHEET NO. D08B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D08B
Plotted: 10/9/25 at 8:54pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286kai-lum 7286xut-WT 7286xst 7286xsv 7286xut-SD 7286xsv-Union 24115 illumination base X_230065_IRRG



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REGISTERED PROFESSIONAL ENGINEER
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Dec. 27, 2012
PETER S. CRAIG
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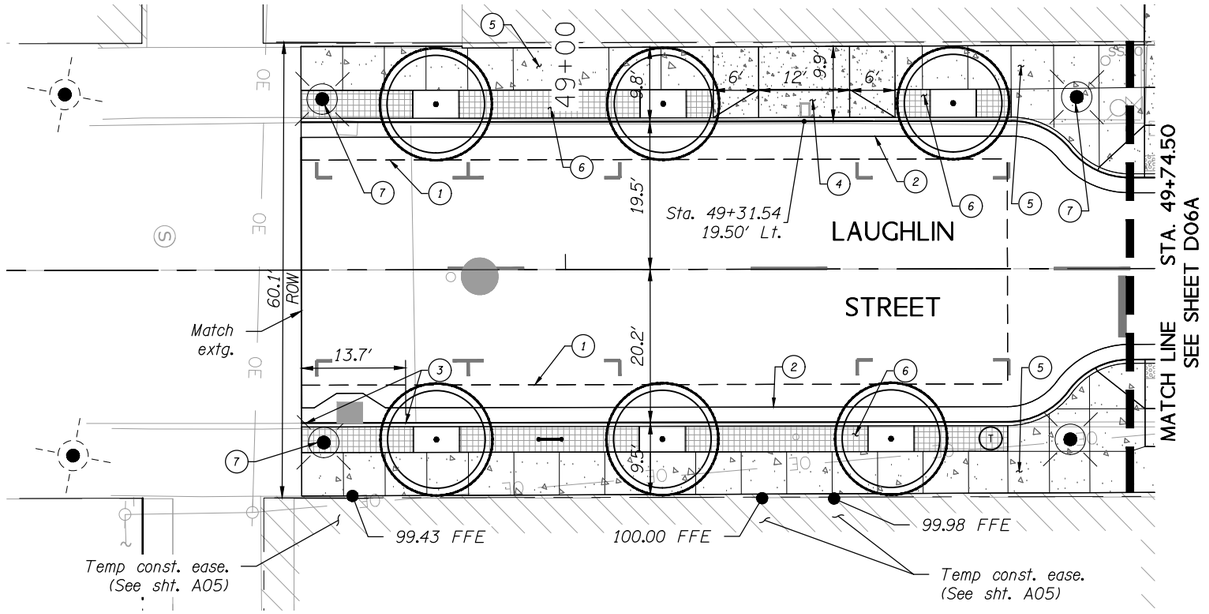
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO.
D08C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D08C
Plotted: 10/9/25 at 8:57pm By: pschmidtke
XREFs: x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst 7286xut-WT 7286xut-SD X_230065_IRRG



(1) Sawcut extg. pavement

(2) Const. curb and gutter

(3) Const. curb and gutter
(For details, see sheet BC06)

(4) Remove Driveway
Const. P.C. conc. commercial dwy.
Center on loading dock
(See COTD drg. no. RD740)

(5) Remove sidewalk
Const. P.C. conc. sidewalk
Sidewalk scoring
(For details, see RB series)
(See COTD drg. no. RD721 & RD722)

(6) Furnishing zone
(For details, see RB series)

(7) Inst. luminaire

(For locations, see RB series)
(For details, see PA series)

SCALE 1 INCH = 20 FEET
20 0 20 40

NOTE:
1. For horizontal geometry of curbs, see shts. BC01-BC06.
2. Construction occurs in a known archaeological boundary. See Monitoring Plan and Treatment Plan for more information on archaeological procedures and expectations.
3. During demolition of existing sidewalk and curb, salvage all historic stamping and metal insignias and deliver to the City Public works at 1215 West First Street. Concrete panels with stamping to be delivered to the City.

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EXPIRATION DATE: 12/31/2025

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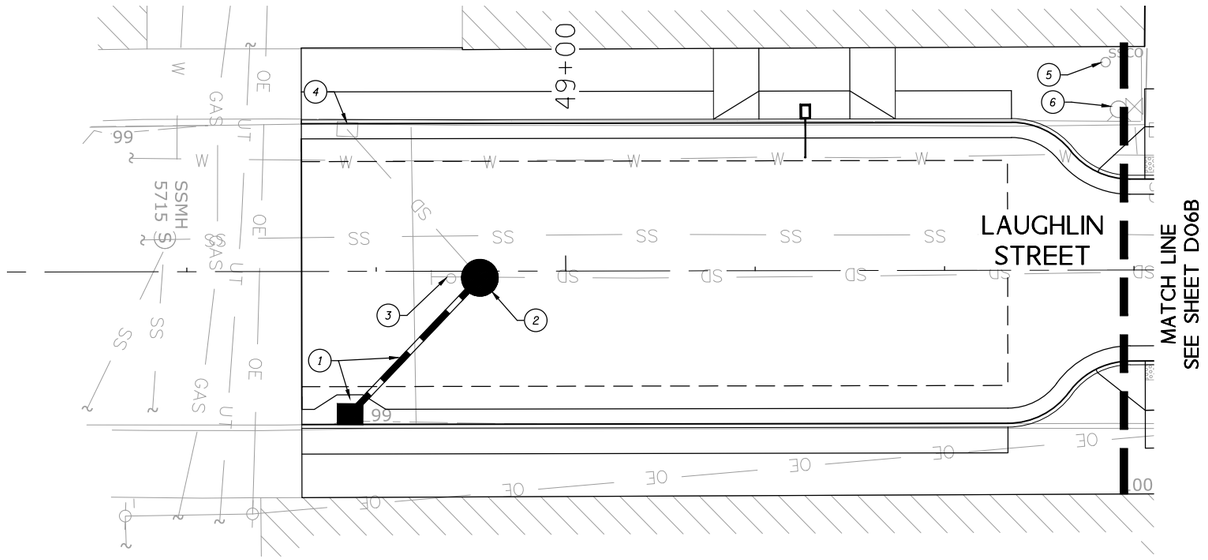
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

GENERAL CONSTRUCTION

SHEET NO. D09A

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01A-GC.dwg TAB:D09A
Plotted: 10/9/25 at 8:52pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst-pk 24115 illumination base 7286xpl 7286xut-WT 7286xut-SD 7286xst 7286xsv X_16041_DSGN_BASE X_16041_SITE 7286xsv-Union X_230065_IRRG



(1) *Sta. 48+71.50, Rt.*
Const. type G-1 inlet
Rim = 99.00
IE Out (SE) = 96.00
Inst. 8" storm sew. pipe - 25'
S=5.89%
4' depth
Trench resurf. 7 sq. yd.
(See COTD drg. no. RD363, RD364)

(2) *Sta. 48+88.68, 0.88' Rt.*
Const. manhole
Over extg. storm sew.
Rim = 99.53
IE 8" In (S) = 94.55
IE 8" In (W) = 94.55
IE 12" In (SW) = 94.55
IE 12" Out (NE) = 94.55
(See COTD drg. no. RD335)

(3) *Remove cleanout*

(4) *Adjust existing inlet*

(5) *Adjust cleanout*

(6) *Protect existing hydrant and adjust to finished grade.*

SCALE 1 INCH = 20 FEET

20 0 20 40

NOTE:
1. *All dimension are feet unless otherwise noted.*
2. *Detailed flushing and chlorination plan for the waterline submitted to city prior to construction of the waterline.*
3. *water valves to be only operated by city staff / personnel. Contractor to call city 24 hours before construction.*

REGISTERED PROFESSIONAL ENGINEER
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OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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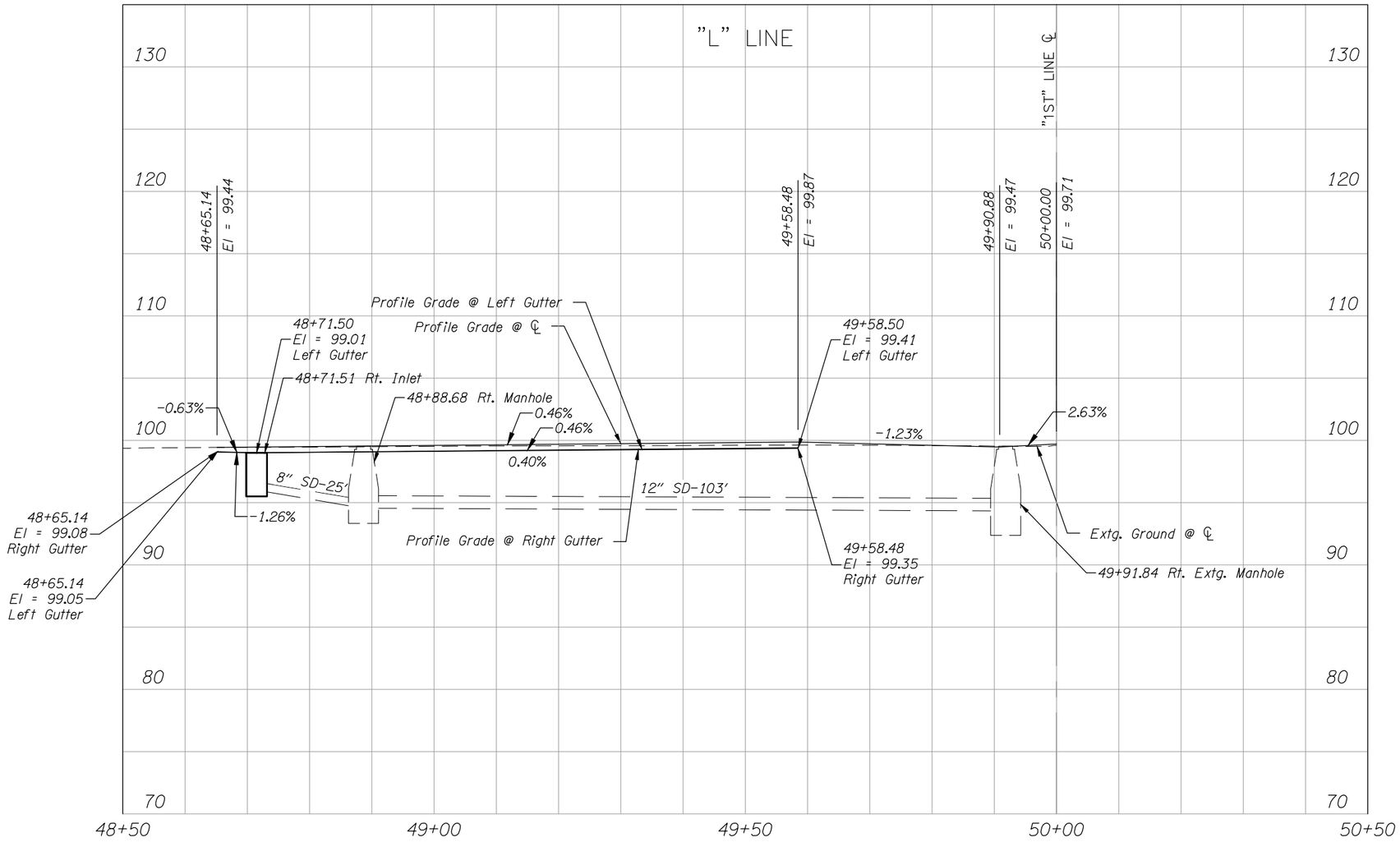
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

DRAINAGE & UTILITIES

SHEET NO. D09B

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01B-UT.dwg TAB:D09B
Plotted: 10/9/25 at 8:54pm By pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286kai-lum 7286xut-WT 7286xst 7286xsv 7286xut-SD 7286xsv-Union 24115 illumination base X_230065_IRRG



SCALE: 1" = 20' HORIZ.
1" = 10' VERT.

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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503-942-3860

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

PROFILE

SHEET NO.
D09C

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-D01C-PROF.dwg TAB:D09C
Plotted: 10/9/25 at 8:57pm By: pschmidtke
XREFs: x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst 7286xut-WT 7286xut-SD X_230065_IRRG

To Be Accompanied By ODOT Drg. Nos. TM800, TM820, TM821, TM840, TM841, TM844 & TM850

N

E. 1ST STREET

ROAD CLOSED
48x30
Type "W1"
(Mount On TSS)

2 - 8' B(III)LR

ROAD CLOSED TO THRU TRAFFIC
60x30
Type "W1"

8' B(III)LR

2ND STREET

UNION STREET

COURT STREET

WASHINGTON STREET

FEDERAL STREET

LAUGHLIN STREET

ROAD CLOSED AHEAD
48x48

NOTE:

1. *MAINTAIN ACCESS TO LOCAL BUSINESS AS REQUIRED IN THE SPECIAL PROVISIONS.*

LEGEND

AREA UNDER CONSTRUCTION

SCALE 1 INCH = 100 FEET

100 0 100 200

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City of THE DALLES
OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

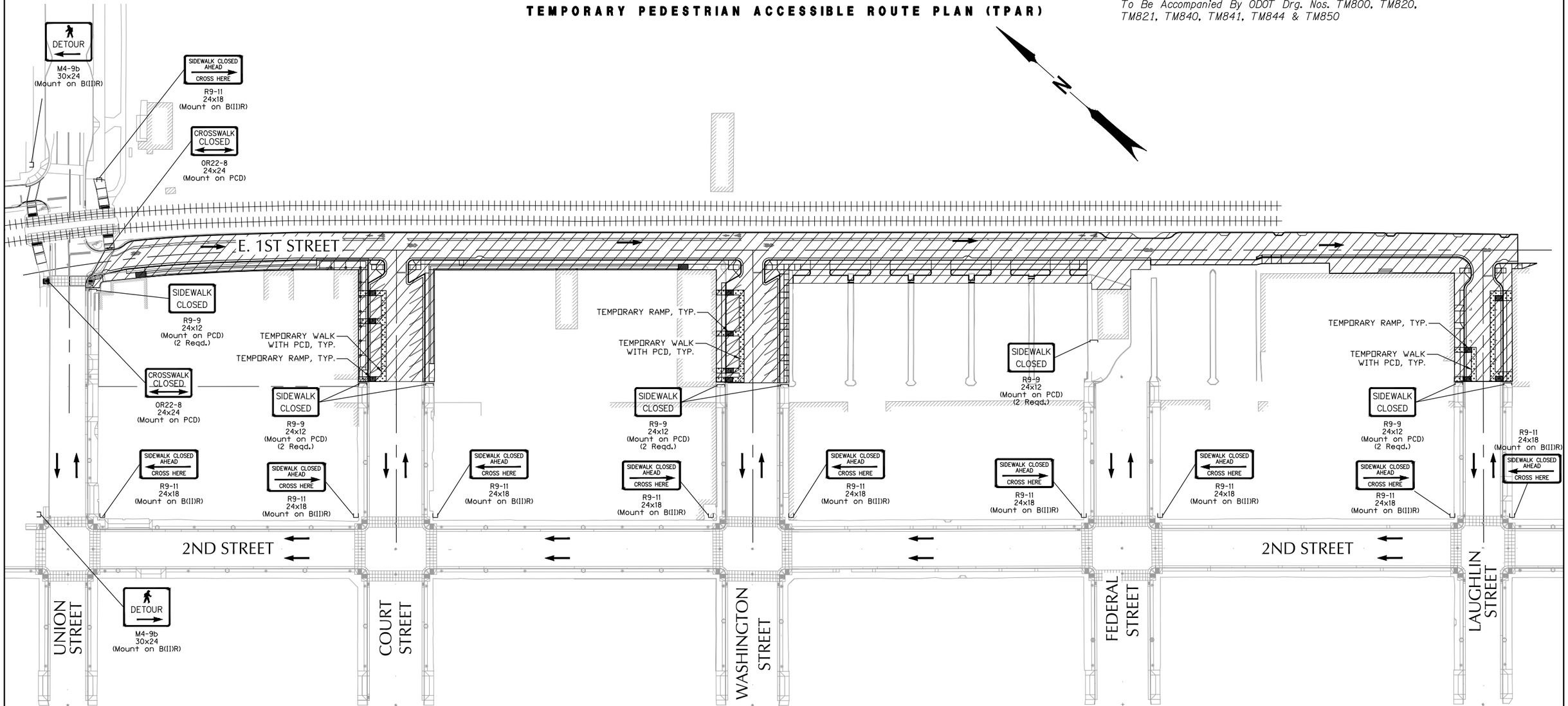
TRAFFIC CONTROL PLAN

SHEET NO. EC01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-EC01-TCP.DWG TAB:EC01
Plotted: 10/9/25 at 8:58pm By: pschmidtke
XREFs: 7286xba 7286xtb-11X17-ODOT 7286xst 9985_AB 7286xpv 7286xsv-Union 7286xsv 7286xapi

TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE PLAN (TPAR)

To Be Accompanied By ODOT Drg. Nos. TM800, TM820, TM821, TM840, TM841, TM844 & TM850



NOTE:

1. *PROVIDE TEMPORARY WALKS AND TEMPORARY RAMPS AS SHOWN FOR SIDEWALK CONSTRUCTION ADJACENT TO BUILDINGS. PROVIDE ADDITIONAL DETOUR SIGNAGE PER DETAIL TM844.*

LEGEND

AREA UNDER CONSTRUCTION

UNDER PEDESTRIAN TRAFFIC

SCALE 1 INCH = 100 FEET

100 0 100 200

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

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Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

TRAFFIC CONTROL PLAN

SHEET NO. EC02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-EC01-TCP.DWG TAB:EC02
Plotted: 10/9/25 at 8:58pm By: pschmidtke
XREFs: 7286xba 7286xtb-11X17-ODOT 7286xst 9985_AB 7286xpv 7286xsv-Union 7286xsv 7286xapi

(1) Const. inlet protection
(Type 3) - 20
(See COTD drg. no. RD1010)

(2) Const. concrete truck wash out
(See COTD drg. no. RD1070)

LEGEND

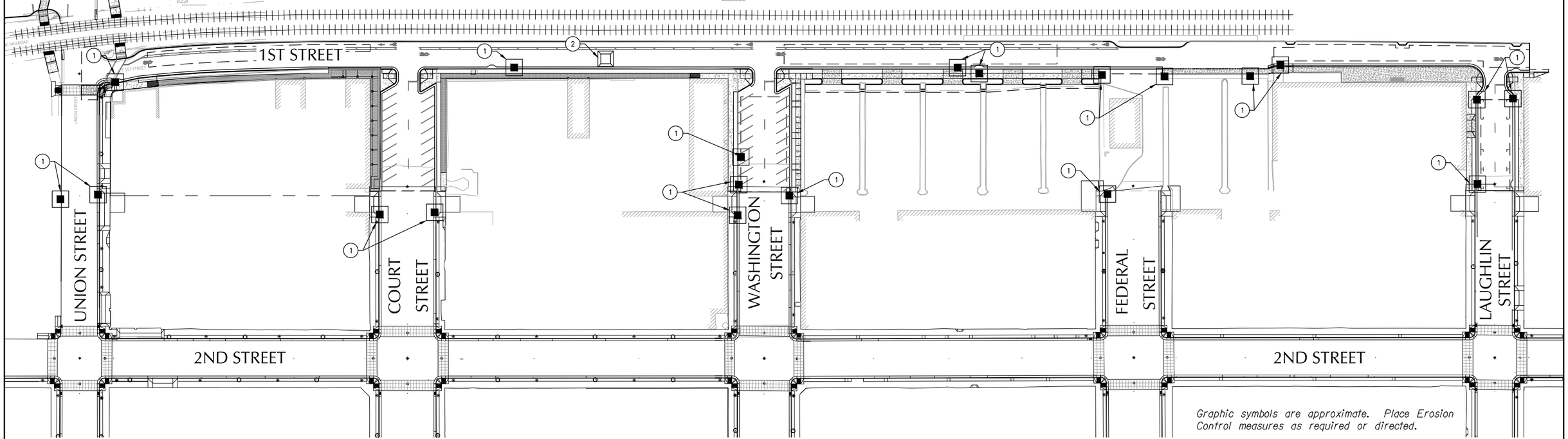
Inlet Protection

Concrete Truck Wash Out

N

SCALE 1 INCH = 100 FEET

100 0 100 200



Graphic symbols are approximate. Place Erosion Control measures as required or directed.

GENERAL NOTES:

The construction, adjustment, maintenance, and upgrade of these Erosion and Sediment Control measures is the responsibility of the contractor for the duration of the project to comply with Section 00280 of the Oregon Standard Specifications for construction and the NPDES 1200-CA permit.

Erosion and Sediment Control measures shown on this plan are for anticipated site conditions. Adjust or upgrade these measures for unexpected storm events to ensure that sediment and sediment-laden water does not leave the site.

Develop a revised plan for the Erosion and Sediment Control measures shown as required by Section 00280, Oregon Standard Specifications for Construction. Implement this plan for all clearing and grading activities and in segments applicable to each staging phase. Construct in such a manner so as to ensure that sediment and sediment-laden water does not enter the roadway or drainage system, or violate applicable water standards.

Install measures within the right-of-way unless directed otherwise.

STANDARD DRAWINGS

☐	RD1000	Construction entrance
☐	RD1005	Check dam type 1,3,4
☐	RD1006	Check dam type 2,6
■	RD1010	Inlet protection type 2,3,6,7,11
☐	RD1015	Inlet protection type 4
☐	RD1020	Inlet protection type 5
☐	RD1030	Sediment barrier type 2,3,4
☐	RD1031	Sediment barrier type 5,6
☐	RD1032	Sediment barrier type 8
☐	RD1033	Sediment barrier type 9
☐	RD1040	Sediment fence
☐	RD1045	Temporary slope drain with energy dissipator
☐	RD1050	Temporary scour basin/ energy dissipator
☐	RD1055	Slope and Channel Matting
☐	RD1060	Tire wash facility type 1 and 2
☐	RD1065	Sediment trap
■	RD1070	Concrete truck wash out

REGISTERED PROFESSIONAL ENGINEER
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Drafted By - R.C.

EROSION CONTROL PLAN

SHEET NO. FB01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-FB01-ECP.dwg TAB:FB01
Plotted: 10/9/25 at 8:58pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst 9985_AB 7286xsv 7286xut-SD 7286xsv-Union

1. HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONNEL THAT INCLUDES THE INSPECTOR TO DISCUSS EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION LIMITS.

2. ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS.

3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS.

4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESCP AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.

5. ALL PERMIT REGISTRANTS MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT.

6. THE ESCP MEASURES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, UPGRADE THESE MEASURES AS NEEDED TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL EROSION AND SEDIMENT CONTROL REGULATIONS.

7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT.

8. PHASE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION.

9. EROSION AND SEDIMENT CONTROL MEASURES INCLUDING PERIMETER SEDIMENT CONTROL MUST BE IN PLACE BEFORE VEGETATION IS DISTURBED AND MUST REMAIN IN PLACE AND BE MAINTAINED, REPAIRED, AND PROMPTLY IMPLEMENTED FOLLOWING PROCEDURES ESTABLISHED FOR THE DURATION OF CONSTRUCTION, INCLUDING PROTECTION FOR ACTIVE STORM DRAIN INLETS AND CATCH BASINS AND APPROPRIATE NON-STORMWATER POLLUTION CONTROLS.

10. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK.

11. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES AND FOR ALL ROADWAYS INCLUDING GRAVEL ROADWAYS.

12. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS.

13. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND-DISTURBING ACTIVITIES.

14. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE.

15. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, LEFTOVER PAINTS, SOLVENTS, AND GLUES FROM CONSTRUCTION OPERATIONS.

16. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES.

17. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL.

18. IF A STORMWATER TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN PLAN APPROVAL BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS.

19. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR.

20. AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS.

21. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND DURING WET WEATHER.

22. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL.

23. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT, AND BEFORE BMP REMOVAL.

24. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT.

25. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DIVISION OF STATE LANDS REQUIRED TIMEFRAME.

26. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS.

27. THE ENTIRE SITE MUST BE TEMPORARILY STABILIZED USING VEGETATION OR A HEAVY MULCH LAYER, TEMPORARY SEEDING, OR OTHER METHOD SHOULD ALL CONSTRUCTION ACTIVITIES CEASE FOR 30 DAYS OR MORE.

28. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE.

29. PROVIDE PERMANENT EROSION CONTROL MEASURES ON ALL EXPOSED AREAS. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. HOWEVER, DO REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AS EXPOSED AREAS BECOME STABILIZED, UNLESS DOING SO CONFLICTS WITH LOCAL REQUIREMENTS. PROPERLY DISPOSE OF CONSTRUCTION MATERIALS AND WASTE, INCLUDING SEDIMENT RETAINED BY TEMPORARY BMPS.

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OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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The Hub of the Pacific Northwest
CITY OF THE DALLES
OREGON

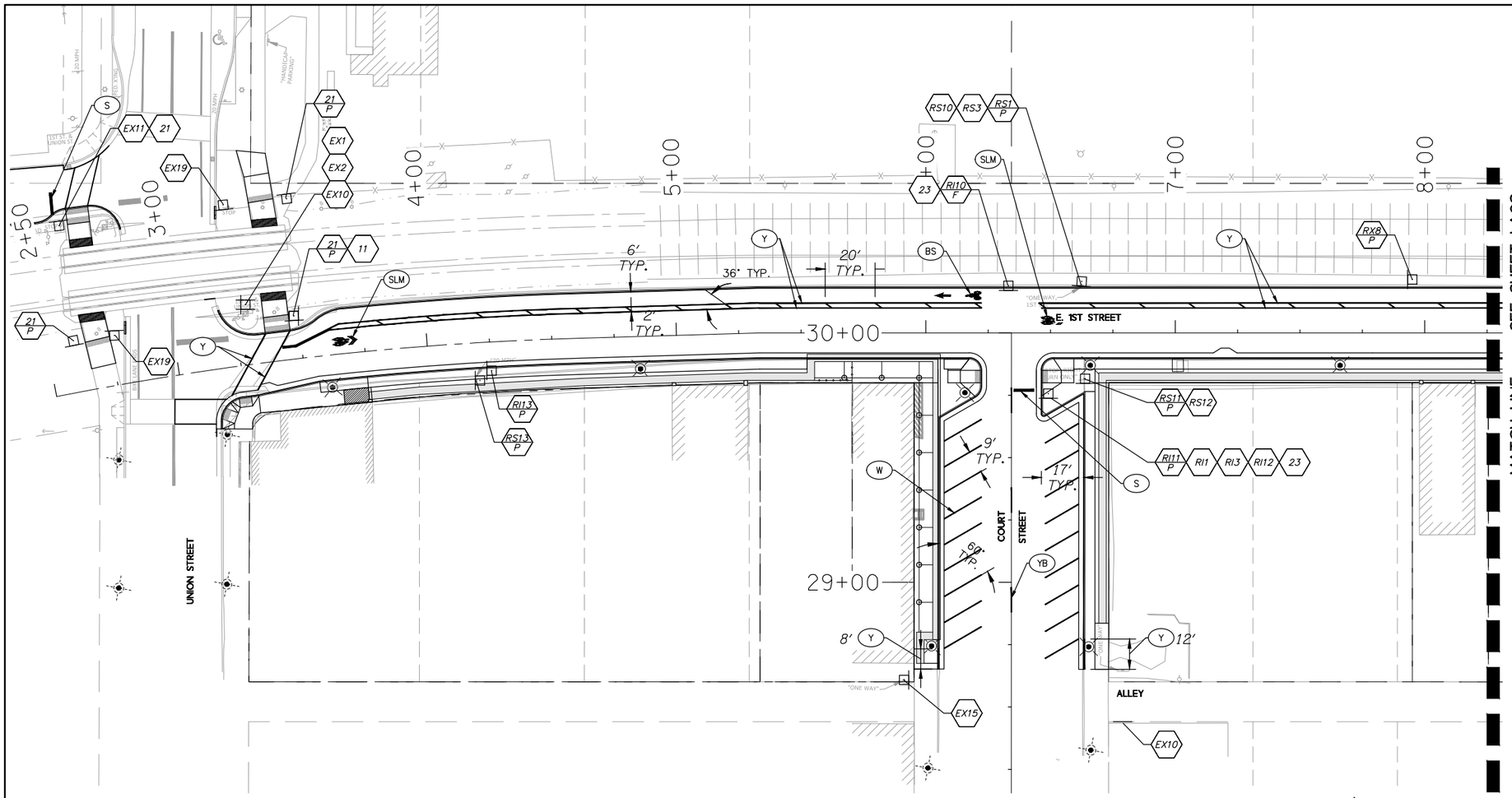
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

EROSION CONTROL NOTES

SHEET NO.
FB02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-FB01-ECP.dwg TAB:FB02
Plotted: 10/9/25 at 8:58pm By: pschmidtke
XREFs: 7286xtb-11X17-ODOT 7286xst 9985_AB 7286xsv 7286xut-SD 7286xsv-Union



Sign bubble legend

- N / M — Install new sign (N) on new (M) sign support
- EXN — Maintain and protect existing sign (N) and support
- RSN — Remove and save existing sign (N)
- RSN / M — Remove and save existing sign (N) and remove (M) sign support
- RIN — Reinstall existing sign (N)
- RIN / M — Reinstall existing sign (N) on new (M) sign support
- RXN / M — Remove existing sign (N) and (M) sign support
- RXN — Remove existing sign (N)

Striping bubble legend

- SLM — Shared lane marking, ODOT drg. no. TM503
- BS — Bike lane standard stencil, ODOT drg. no. TM503
- YB — 4" Broken yellow line, ODOT drg. no. TM500
- W — 4" Solid white line, ODOT drg. no. TM500
- W-2 — 8" Solid white line, ODOT drg. no. TM500
- Y — 4" Solid yellow line, ODOT drg. no. TM500
- S — Stop bar, 1' white bar, ODOT drg. no. TM503

N = Sign number
M = Material
Material options:

F = Mount sign on fence.
P = Pipe sign support.

NOTE:

1. To be accompanied by ODOT drg. nos. TM200-201, TM206, TM500-503, TM635, TM676, TM681-688.
2. Salvaged two-sided signs are to be reinstalled as two-sided signs.
3. Refer to Sheet LB01 for sign details.

SCALE 1 INCH = 50 FEET

50 0 50 100

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UNION STREET TO LAUGHLIN STREET

THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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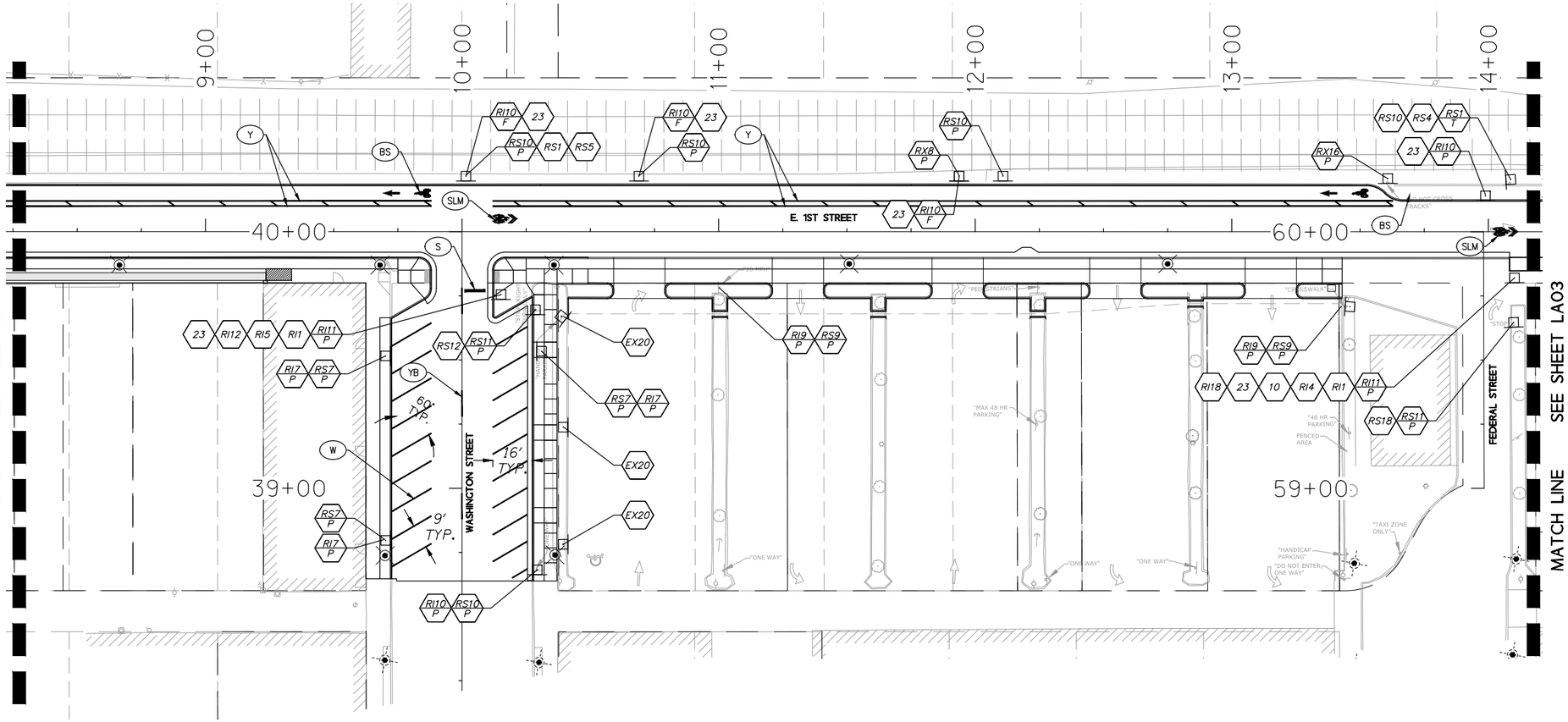
Drafted By - R.C.

PERMANENT SIGNING & STRIPING PLAN

SHEET NO. LA01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-LA01-SIGN.dwg TAB:LA01
Plotted: 10/9/25 at 9:02pm By: pschmidtke
XREFs: 7286xba x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst-pk 7286xsv 7286xst 7286xsv-Union 24115 illumination base X_16041_DSGN_BASE



Sign bubble legend

- N/P — Install new sign (N) on new (M) sign support+
- EXN — Maintain and protect existing sign (N) and support
- RSN — Remove and save existing sign (N)
- RSN/M — Remove and save existing sign (N) and remove (M) sign support
- RIN — Reinstall existing sign (N)
- RIN/M — Reinstall existing sign (N) on new (M) sign support
- RXN/M — Remove existing sign (N) and (M) sign support
- RXN — Remove existing sign (N)

Striping bubble legend

- SLM — Shared lane marking, ODOT drg. no. TM503
- BS — Bike lane standard stencil, ODOT drg. no. TM503
- YB — 4" Broken yellow line, ODOT drg. no. TM500
- W — 4" Solid white line, ODOT drg. no. TM500
- W-2 — 8" Solid white line, ODOT drg. no. TM500
- Y — 4" Solid yellow line, ODOT drg. no. TM500
- S — Stop bar, 1' white bar, ODOT drg. no. TM503

N = Sign number
M = Material
Material options:

F = Mount sign on fence.
P = Pipe sign support.

NOTE:
1. To be accompanied by ODOT drg. nos. TM200-201, TM206, TM500-503, TM635, TM676, TM681-688.
2. Salvaged two-sided signs are to be reinstalled as two-sided signs.
3. Refer to Sheet LB01 for sign details.

SCALE 1 INCH = 50 FEET

50 0 50 100

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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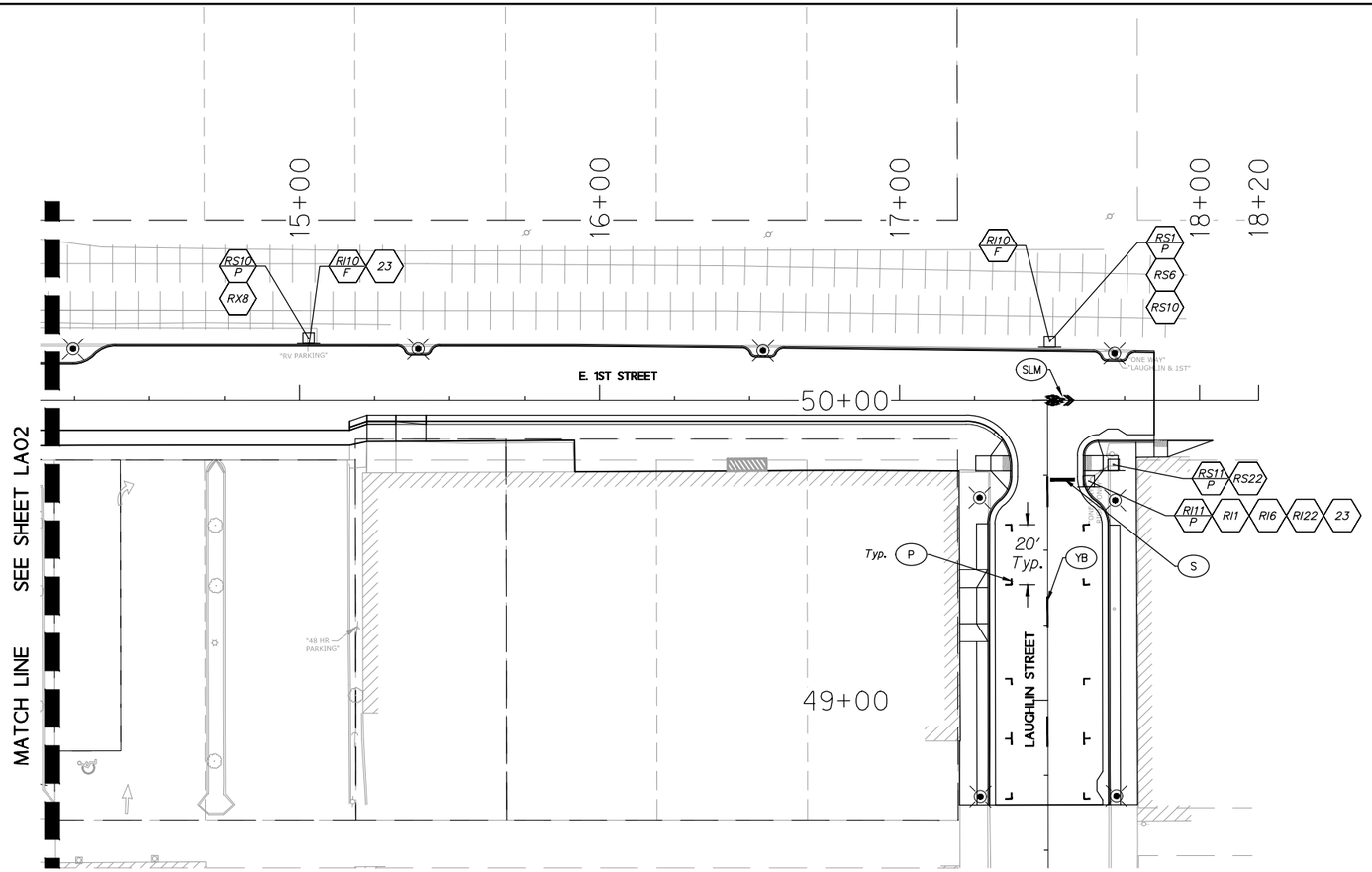
PERMANENT SIGNING & STRIPING PLAN

SHEET NO. LA02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-LA01-SIGN.dwg TAB:LA02
Plotted: 10/9/25 at 9:02pm By: pschmidtke
XREFs: 7286xba x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst-pk 7286xsv 7286xst 7286xsv-Union 24115 illumination base X_16041_DSGN_BASE



Sign bubble legend

- RSN — *Remove and save existing sign (N)*
- RSN / M — *Remove and save existing sign (N) and remove (M) sign support*
- RIN — *Reinstall existing sign (N)*
- RIN / M — *Reinstall existing sign (N) on new (M) sign support*

Stripping bubble legend

- SLM — *Shared lane marker, ODOT drg. no. TM503*
- YB — *4" Broken yellow line, ODOT drg. no. TM500*
- Y — *4" Solid yellow line, ODOT drg. no. TM500*
- P — *On-street parking (white), ODOT drg. no. TM503*
- S — *Stop bar, 1' white bar, ODOT drg. no TM503*

N = Sign number
M = Material
Material options:

F = Mount sign on fence.
P = Pipe sign support.

N

SCALE 1 INCH = 50 FEET

50 0 50 100

NOTE:

1. *To be accompanied by ODOT drg. nos. TM200-201, TM206, TM500-503, TM635, TM676, TM681-688.*
2. *Salvaged two-sided signs are to be reinstalled as two-sided signs.*
3. *Refer to Sheet LB01 for sign details.*

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THE DALLES FIRST STREET PROJECT
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PERMANENT SIGNING & STRIPING PLAN

SHEET NO. LA03

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-LA01-SIGN.dwg TAB:LA03
Plotted: 10/9/25 at 9:02pm By: pschmidtke
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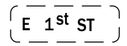


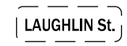
Sign No. 1

Sign No. 2

Sign No. 3

Sign No. 4

Sign No. 5



Sign No. 6

Sign No. 7

Sign No. 9

Sign No. 10

Sign No. 11

Sign No. 12

Sign No. 13

Sign No. 14

Sign No. 15

Sign No. 16

NOT USED

Sign No. 17

Sign No. 18

Sign No. 19

Sign No. 20

Sign No. 21

Sign No. 22

Sign No. 23

REGISTERED PROFESSIONAL ENGINEER
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THE DALLES FIRST STREET PROJECT
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Design Team Leader - P.C.
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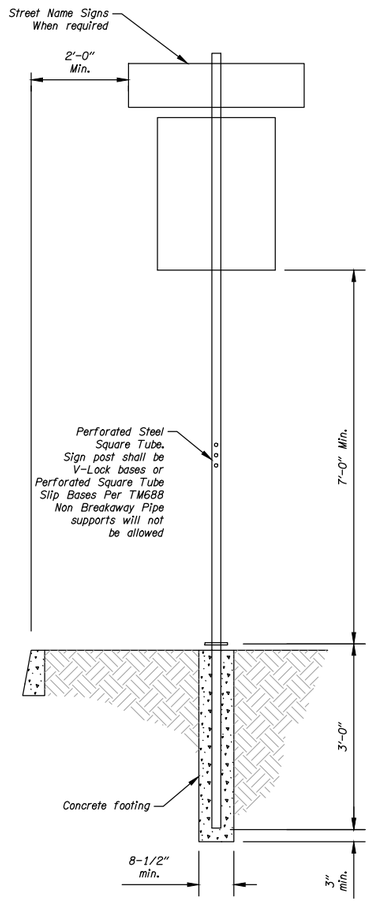
OREGON

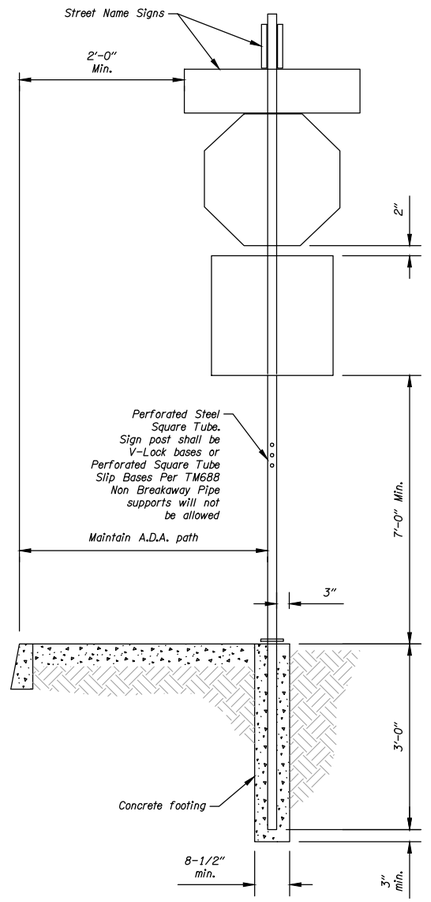
SIGN DETAILS

SHEET NO.
LB01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-LA01-SIGN.dwg TAB:LB01
Plotted: 10/9/25 at 9:02pm By: pschmidtke
XREFs: 7286xba x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst-pk 7286xsv 7286xst 7286xsv-Union 24115 illumination base X_16041_DSGN_BASE



PIPE SIGN SUPPORT DETAIL
ONE SIGN



PIPE SIGN SUPPORT DETAIL
TWO OR MORE SIGNS

GENERAL NOTES

1. Hot dip galvanize after fabrication Standard 2" welded steel pipe conform to the ASTM 'Specifications for Welded Steel Pipe' A120 and A123 for galvanizing.
2. All pipe shall be capped as approved by engineer when street name signs are not required.
3. These pipe supports are not breakaway and are to be used only in urban areas behind a vertical curb.

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Drafted By - R.C.

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CITY of THE DALLES
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SIGN DETAILS

SHEET NO.
LB02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-LA01-SIGN.dwg TAB:LB02
Plotted: 10/9/25 at 9:02pm By: pschmidtke
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SIGN & POST DATA TABLE

SIGN NO.	SIGN LOCATION 4\ (TM200-TM201, TM635)	SIGN DIMENSIONS		SUB-STRATE			COLOR 1\					LEGEND		SIGN NO. 2\	TYPE OF SUPPORT																					POST		FOOTING		REMARKS
							BACKGROUND		LEGEND																											SECONDARY SIGN (TM676 & TM678)			SIZE	LENGTH	LOCATION 3\	MIN. DEPTH 5\	
		WIDTH	HEIGHT	PLYWOOD	SHEET ALUMINUM	EXTRUDED ALUM. (TM675)	ASTM TYPE III OR TYPE IV	EXISTING PIPE POST	ASTM TYPE III OR TYPE IV	ASTM TYPE IX	NON-REFLECTIVE	PERMANENT	REMOVABLE (TM230 - TM233)		PIPE POST SUPPORT (TM670-TM671, TM676)	SQ. TUBE SIGN SUPPORT (TM671, TM676, TM681, TM687-TM689)	TRIANGULAR BASE BREAKAWAY (TM602)	H - FRAME	MULTI-POST BREAKAWAY (TM220, TM600-TM601)	STAINLESS STEEL CLAMP (SSC) (TM677)	SIGNAL POLE MOUNT (TM680)	MAST ARM SIGN MOUNT (TM679)	BRIDGE STRUCTURE MOUNT (TM677)	CANTILEVER / BUTTERFLY (TM622-TM627)	SIGN BRIDGE (TM606-TM612, TM614-TM620)	EXIT NUMBER SIGN MOUNT (TM220, TM225)	ROUTE MARKER FRAME (TM678)	MILEPOST MARKER POST (TM221-TM222)	CROSSWALK CLOSURE BARRICADE (TM490)	VERTICAL SIGN MOUNTS ON EXISTING STRUCTURES	CUSTOM VARIABLE SUPPORT	C 4X5.4	C 4X7.25	LENGTH	(BASED ON ESTIMATED LENGTH)	(MUST BE FIELD VERIFIED)			
1	"1ST" 3+29 LT	EXIST	9		X			X				X		1																									MOUNT ABOVE SIGN 10
	"1ST" 6+49 RT	EXIST	9		X							X		1	X																									MOUNT ABOVE SIGN 3
	"1ST" 10+15 RT	EXIST	9		X							X		1	X																									MOUNT ABOVE SIGN 5
	"1ST" 14+10 RT	EXIST	9		X							X		1	X																									MOUNT ABOVE SIGN 4
	"1ST" 3+29 LT	EXIST	9		X							X		1	X																									MOUNT ABOVE SIGN 6
2	"1ST" 3+29 LT	EXIST	9									X		2	X																									MOUNT ABOVE SIGN 11
3	"1ST" 6+49 RT	EXIST	9									X		3	X																									MOUNT ABOVE SIGN 11
4	"1ST" 14+10 RT	EXIST	9									X		4	X																									MOUNT ABOVE SIGN 11
5	"1ST" 10+15 RT	EXIST	9									X		5	X																									MOUNT ABOVE SIGN 11
6	"1ST" 17+63 RT	EXIST	9									X		6	X																									MOUNT ABOVE SIGN 11, SAME SUPPORT AS NO. 11
7	"W" 39+53 RT	24	30				X		X			X		7	X																							12.5		1.5	3	
	"W" 39+51 RT	24	30				X		X			X		7	X																							12.5		1.5	3	
	"W" 38+79 LT	24	30				X		X			X		7	X																							12.5		1.5	3	
9	"1ST" 13+40 RT	30	30					X						9	X																							12.5				
10	"1ST" 3+29 LT	36	12		X		X		X			X		10																											
	"1ST" 10+01 LT	36	12		X		X		X			X		10																											MOUNT SIGN ON FENCE
	"1ST" 12+27 LT	36	12		X		X		X			X		10																											MOUNT SIGN ON FENCE
	"1ST" 13+98 LT	36	12		X		X		X			X		10	X																							11		1.5	3	
	"1ST" 14+10 RT	36	12		X		X		X			X		10																											MOUNT BELOW SIGN 11
	"1ST" 15+03 LT	36	12		X		X		X			X		10																											MOUNT SIGN ON FENCE
	"1ST" 17+50 LT	36	12		X		X		X			X		10																											MOUNT SIGN ON FENCE
11	"1ST" 3+48 LT	30	30		X		X		X			X		11	X																							11		1.5	3	ROTATE SIGN TOWARD BIKE LANE
	"1ST" 6+49 RT	30	30		X		X		X			X		11	X																							17.5		1.5	3	
	"1ST" 10+15 RT	30	30		X		X		X			X		11	X																							17.5		1.5	3	
	"1ST" 14+10 RT	30	30		X		X		X			X		11	X																							16.5		1.5	3	
	"1ST" 17+63 RT	30	30		X		X		X			X		11	X																							19		1.5	3	

1\ BK=BLACK
BL=BLUE
BR=BROWN
FY=FLUORESCENT YELLOW
G=GREEN
O=ORANGE
R=RED
RB=RED-BLUE
SW=SILVER-WHITE
W=WHITE
Y=YELLOW
YG=YELLOW-GREEN

2\ NOTE: L,C,R ARE LOCATIONS OF POSTS FACING THE SIGN.
L=LEFT POST
C=CENTER POST
R=RIGHT POST

3\ DISTANCE FROM EDGE OF TRAVEL LANE, FACE OF CURB, GUARDRAIL, OR BARRIER TO THE CENTERLINE OF FOOTING. FOR ADDITIONAL INFORMATION SEE STANDARD DRAWINGS TM601, TM602 AND TM635.

4\ NOTE: THE LOCATIONS SHOWN ARE APPROXIMATE EXCEPT FOR SPEED ZONES, SCHOOL ZONES, OBJECT MARKERS AND MILEPOST MARKERS. EXACT LOCATIONS ARE TO BE DETERMINED BY THE ENGINEER.

5\ MINIMUM DEPTH OF FOOTING FOR TRIANGULAR BASE BREAKAWAY AND MULTI-POST BREAKAWAY INSTALLATIONS IS FOR A 2' DIAMETER FOOTING. FOR ADDITIONAL INFORMATION SEE STANDARD DRAWINGS TM601 AND TM602.

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

kpff Consulting Engineers
111 SW 5th Avenue
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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

SIGN & POST DATA TABLE

SHEET NO. LC01

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-LA01-SIGN.dwg TAB:LC01
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XREFs: 7286xba x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst-pk 7286xsv 7286xst 7286xsv-Union 24115 illumination base X_16041_DSGN_BASE

SIGN & POST DATA TABLE

SIGN NO.	SIGN LOCATION 4\ (TM200-TM201, TM635)	SIGN DIMENSIONS		SUB-STRATE			COLOR 1\				LEGEND		SIGN NO. 2\	TYPE OF SUPPORT																					POST		FOOTING		REMARKS
							BACKGROUND		LEGEND																										SECONDARY SIGN (TM676 & TM678)			SIZE	LENGTH	LOCATION 3\	MIN. DEPTH 5\	
		WIDTH	HEIGHT	PLYWOOD	SHEET ALUMINUM	EXTRUDED ALUM. (TM675)	ASTM TYPE III OR TYPE IV	EXISTING PIPE POST	ASTM TYPE III OR TYPE IV	ASTM TYPE IX	NON-REFLECTIVE	PERMANENT	REMOVABLE (TM230 - TM233)		PIPE POST SUPPORT (TM670-TM671, TM676)	SQ. TUBE SIGN SUPPORT (TM671, TM676, TM681, TM687-TM689)	TRIANGULAR BASE BREAKAWAY (TM602)	H - FRAME	MULTI-POST BREAKAWAY (TM220, TM600-TM601)	STAINLESS STEEL CLAMP (SSC) (TM677)	SIGNAL POLE MOUNT (TM680)	MAST ARM SIGN MOUNT (TM679)	BRIDGE STRUCTURE MOUNT (TM677)	CANTILEVER / BUTTERFLY (TM622-TM627)	SIGN BRIDGE (TM606-TM612, TM614-TM620)	EXIT NUMBER SIGN MOUNT (TM220, TM225)	ROUTE MARKER FRAME (TM678)	MILEPOST MARKER POST (TM221-TM222)	CROSSWALK CLOSURE BARRICADE (TM490)	VERTICAL SIGN MOUNTS ON EXISTING STRUCTURES	CUSTOM VARIABLE SUPPORT	C 4X5.4	C 4X7.25	LENGTH	(BASED ON ESTIMATED LENGTH)	(MUST BE FIELD VERIFIED)			
12	"1ST" 6+49 RT	24	24		X		X		X			X		12																								MOUNT BELOW SIGN 11
	"1ST" 10+15 RT	24	24		X		X		X			X		12																								MOUNT BELOW SIGN 11
13	"1ST" 4+25 RT	24	30		X		X		X			X		13	X																				12.5		1.5	3	
19	"1ST" 2+77 LT	24	30		X			X				X		19																								
	"1ST" 3+26 LT	24	30		X			X				X		19																								
21	"1ST" 2+63 LT	24	12				X		X			X		21																								MOUNT BELOW EXISTING SIGN 11, ROTATE TOWARDS WALK
	"1ST" 3+48 LT	24	12					X				X		21																								MOUNT BELOW SIGN 11, ROTATE TOWARDS WALK
	"1ST" 2+60 LT	24	12				X		X			X		21	X																				11		1.5	3	ROTATE TOWARDS WALK
	"1ST" 3+50 LT	24	12				X		X			X		21	X																				11		1.5	3	ROTATE TOWARDS WALK
22	"1ST" 17+63 RT	30	36				X		X			X		22																								MOUNT BELOW SIGN 11 ON SAME SUPPORT
23	"1ST" 6+33 LT	24	18				X		X			X		23																								MOUNT ON FENCE BELOW SIGN 10
	"1ST" 6+49 RT	24	18				X		X			X		23																								MOUNT BELOW SIGN 12 ON SAME SUPPORT
	"1ST" 10+01 LT	24	18				X		X			X		23																								MOUNT ON FENCE BELOW SIGN 10
	"1ST" 10+15 RT	24	18				X		X			X		23																								MOUNT BELOW SIGN 12 ON SAME SUPPORT
	"1ST" 12+27 LT	24	18				X		X			X		23																								MOUNT ON FENCE BELOW SIGN 10
	"1ST" 13+98 LT	24	18				X		X			X		23																								MOUNT ON FENCE BELOW SIGN 10
	"1ST" 14+10 RT	24	18				X		X			X		23																								MOUNT BELOW SIGN 12 ON SAME SUPPORT
	"1ST" 17+63 RT	24	18				X		X			X		23																								MOUNT BELOW SIGN 22 ON SAME SUPPORT

1\ BK=BLACK
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2\ NOTE: L,C,R ARE LOCATIONS OF POSTS FACING THE SIGN.
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REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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CITY of THE DALLES
OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - F.M. / S.L. / T.K. / P.S.
Drafted By - R.C.

SIGN & POST DATA TABLE

SHEET NO. LC02

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-LA01-SIGN.dwg TAB:LC02
Plotted: 10/9/25 at 9:02pm By: pschmidtke
XREFs: 7286xba x_7224_DSGN_BASE_ST 7286xtb-11X17-ODOT 7286xst-pk 7286xsv 7286xst 7286xsv-Union 24115 illumination base X_16041_DSGN_BASE

STREETSCAPE MATERIALS SCHEDULE

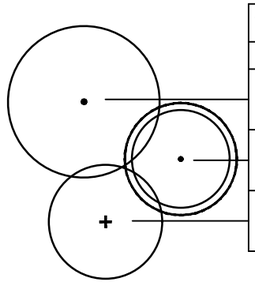
Symbol	Qty	Item	Remarks	Specs
	31 ea.	Tree Grate	See "Tree Well Layout Table".	01040
	1,370 ft.	Ornamental Pedestrian Rail Type 1		01050
	486 ft.	Ornamental Pedestrian Rail Type 2		01050
	87 ft.	Ornamental Pedestrian Rail Type 3	Similar to Ornamental Pedestrian Rail Type 1.	01050
	3,700 sq. ft.	Unit Pavers	Variable color pattern according to detail on sheet RD04.	00760
	n/a	Concrete Score Joints	Score joints not indicated at curb ramp locations. Score pattern does not prescribe joint type such as contraction or expansion. Refer to Civil sheets for grade breaks and joint placement at ramps and joint types at sidewalks and crossings.	00756 / 00759
	10 cu. yd.	Cinder Mulch	Provide cinder mulch at open planting area in parking lot to match existing condition.	01040
	12 cu. yd.	Ballast Mulch	Provide at tree wells along Laughlin Street and at tree grates.	01040
	3,036 sq. ft. / 378 ea.	Tree Soil Cells	Station work point indicated does not include excavation lines or areas of backfill on sides of soil cells. Coordinate all soil cells with existing and proposed utilities. Provide shop drawing horizontal layout and details of soil cells.	01040
	45 ft.	Paver Edge Restraint	Provide at tree well edges along Laughlin St.	00760
	18 ea.	Bollard		01095
T	3 ea.	Litter Receptacle	Agency-furnished, Contractor installed. Contractor shall provide and install mounting hardware and concrete pad, as required.	n/a
	8 ea.	Bicycle Rack	Agency-furnished, Contractor installed bicycle rack. Contractor shall provide and install concrete footing and fasteners.	n/a
	431 sq. ft.	Plantings (Shrubs and Groundcovers)	Agency-furnished, Contractor installed plants. Contractor shall provide and install planting soil mix and mulch.	01040

TREE WELL LAYOUT TABLE

Key	Description	Alignment	Station	Offset
T1	Tree Well WP / Tree (ULJF)	1ST	3+81.45	12.50' Rt.
T2	Tree Well WP / Tree (ULJF)	1ST	4+09.73	12.50' Rt.
T3	Tree Well WP / Tree (ULJF)	1ST	4+40.03	12.50' Rt.
T4	Tree Well WP / Tree (ULJF)	1ST	4+70.21	12.50' Rt.
T5	Tree Well WP / Tree (ULJF)	1ST	5+06.55	12.50' Rt.
T6	Tree Well WP / Tree (ULJF)	1ST	5+36.92	12.50' Rt.
T7	Tree Well WP / Tree (ULJF)	1ST	6+86.01	12.50' Rt.
T8	Tree Well WP / Tree (ULJF)	1ST	7+16.01	12.50' Rt.
T9	Tree Well WP / Tree (ULJF)	1ST	7+46.01	12.50' Rt.
T10	Tree Well WP / Tree (ULJF)	1ST	7+91.48	12.50' Rt.
T11	Tree Well WP / Tree (ULJF)	1ST	8+21.48	12.50' Rt.
T12	Tree Well WP / Tree (ULJF)	1ST	8+51.48	12.50' Rt.
T13	Tree Well WP / Tree (ULJF)	1ST	8+87.26	12.50' Rt.
T14	Tree Well WP / Tree (ULJF)	1ST	9+17.26	12.50' Rt.
T15	Tree Well WP / Tree (ULJF)	1ST	9+47.26	12.50' Rt.
T16	Tree Well WP / Tree (ULJF)	1ST	10+50.86	12.50' Rt.
T17	Tree Well WP / Tree (ULJF)	1ST	10+84.90	12.50' Rt.
T18	Tree Well WP / Tree (ULJF)	1ST	11+14.90	12.50' Rt.
T19	Tree Well WP / Tree (ULJF)	1ST	11+73.16	12.50' Rt.
T20	Tree Well WP / Tree (ULJF)	1ST	12+08.88	12.50' Rt.
T21	Tree Well WP / Tree (ULJF)	1ST	12+38.88	12.50' Rt.
T22	Tree Well WP / Tree (ULJF)	1ST	12+91.00	12.50' Rt.

TREE WELL LAYOUT TABLE

Key	Description	Alignment	Station	Offset
T23	Tree Well WP / Tree (MAAM)	C	29+01.51	31.50' Rt.
T24	Tree Well WP / Tree (MAAM)	C	29+33.91	31.50' Rt.
T25	Tree Well WP / Tree (MAAM)	C	29+66.31	31.50' Rt.
T26	Tree Well WP / Tree (MAAM)	W	38+89.48	29.98' Lt.
T27	Tree Well WP / Tree (MAAM)	W	39+21.73	29.97' Lt.
T28	Tree Well WP / Tree (MAAM)	W	39+53.98	29.97' Lt.
T29	Tree Well WP / Tree (MAAM)	W	38+92.34	30.02' Rt.
T30	Tree Well WP / Tree (MAAM)	W	39+23.72	30.02' Rt.
T31	Tree Well WP / Tree (MAAM)	W	39+55.10	30.03' Rt.
T32	Tree Well WP / Tree (MAAM)	L	48+82.93	21.85' Lt.
T33	Tree Well WP / Tree (MAAM)	L	49+12.93	21.85' Lt.
T34	Tree Well WP / Tree (MAAM)	L	49+51.20	21.86' Lt.
T35	Tree Well WP / Tree (MAAM)	L	48+82.95	22.4' Rt.
T36	Tree Well WP / Tree (MAAM)	L	49+12.75	22.40' Rt.
T37	Tree Well WP / Tree (MAAM)	L	49+42.93	22.40' Rt.



TREE SCHEDULE

ID	Qty	Botanical Name	Common Name	Size & Type	Spacing	Remarks
ULJF	22	Ulmus propinqua 'JFS-Bieberich'	Emerald Sunshine Elm	2" cal.; B&B	As shown	6' ht. min branching
MAAM	15	Maackia amurensis	Amur Maackia	2" cal.; B&B	As shown	6' ht. min branching
LIST	4	Liquidambar styraciflua 'Rotundiloba'	Fruitless Sweetgum	2" cal.; B&B	As shown	6' ht. min branching

STREETSCAPE SITE NOTES

1. Station points provided in RB series sheets relate to specific streetscape element layout work points. Refer to RD series sheets for layout work points of the specific streetscape details indicated.
2. Verify all dimensions and project layout prior to any construction or installation of materials. If layout conflicts arise, contact the Engineer before continuing.
3. See RB series sheets for concrete score joint layout and detail on sheet RD04 for construction and general layout information.

REGISTERED
242
F. Michael Faha
F. Michael Faha
OREGON
10/31/1988
EXP. 10/31/2025
LANDSCAPE ARCHITECT

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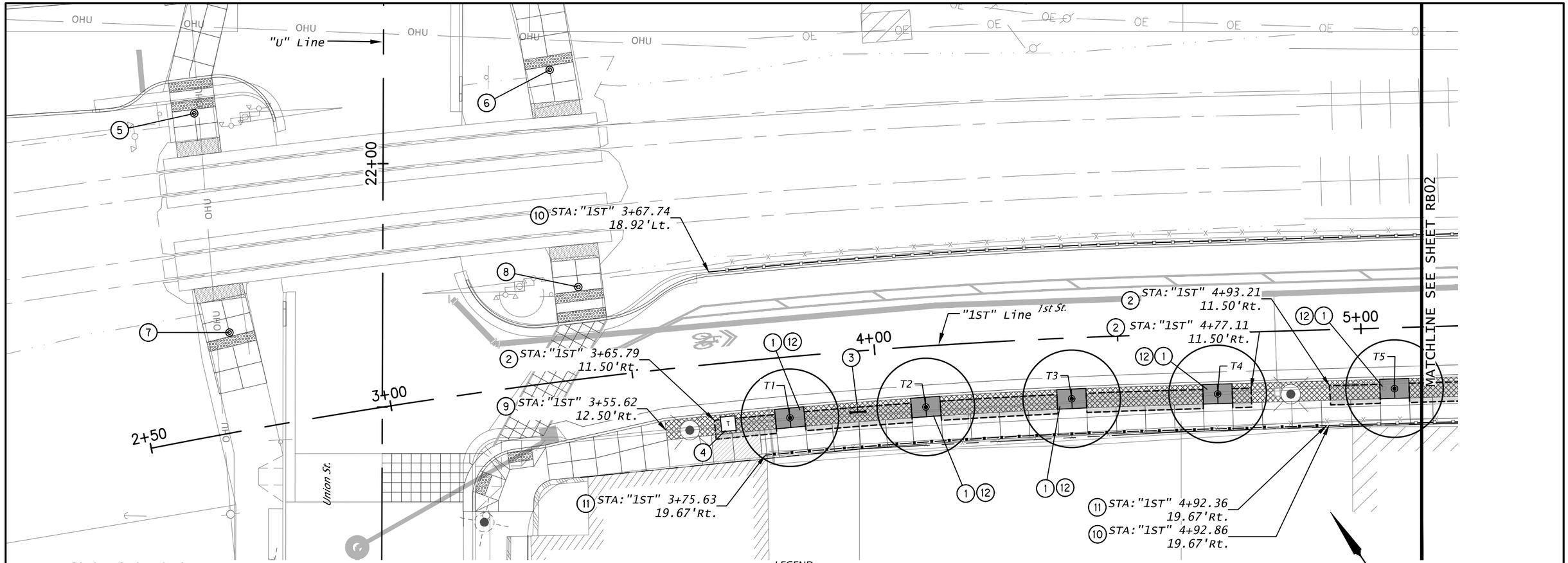
THE DALLES FIRST STREET PROJECT
UNION STREET TO MADISION STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

STREETSCAPE SITE LEGEND AND NOTES

SHEET NO.
RA01

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RA01
Plotted: 10/13/25 at 3:15pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union



CONSTRUCTION NOTES

1. *Const. tree well and tree grate (For details, see shts. RD01 and RD02) (For layout table, see sht. RA01)*
2. *Const. tree soil cells (For details, see sht. RD01)*
3. *Sta. "1ST" 3+95.59, 12.50' Rt. Const. Agency furnished, Contractor installed bicycle rack (For details, see sht. RD04)*
4. *Sta. "1ST" 3+68.59, 12.50' Rt. Const. Agency furnished, Contractor installed litter receptacle (For details, see sht. RD04)*
5. *Sta. "1ST" 2+70.89, 65.90' Lt. Const. bollard (For details, see sht. RD04)*
6. *Sta. "1ST" 3+40.80, 63.81' Lt. Const. bollard (For details, see sht. RD04)*
7. *Sta. "1ST" 2+70.03, 20.34' Lt. Const. bollard (For details, see sht. RD04)*
8. *Sta. "1ST" 3+41.18, 18.82' Lt. Const. bollard (For details, see sht. RD04)*
9. *Const. unit pavers (For details, see sht. RD04)*
10. *Const. ornamental pedestrian rail type 1 (For details, see sht. RD03)*
11. *Const. ornamental pedestrian rail type 2 (For details, see sht. RD03)*
12. *Plant deciduous tree at tree grate (For details, see sht. RD05)*

LEGEND

- *T## — Tree Well and Tree Grate w/ Layout Key*
- *Tree Soil Cells*
- *Ornamental Pedestrian Rail Type 1*
- *Ornamental Pedestrian Rail Type 2*
- *Bicycle Rack (Agency-Furnished, Contractor Installed)*
- *Litter Receptacle (Agency-Furnished, Contractor Installed)*
- *Bollard*
- *Unit Pavers*
- *Concrete Score Joints*

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Design Team Leader - P.C.
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Drafted By - W.S. / C.W.

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CITY of THE DALLES
OREGON

STREETSCAPE SITE PLAN

SHEET NO.
RB01

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB01
Plotted: 10/13/25 at 2:58pm By: wess
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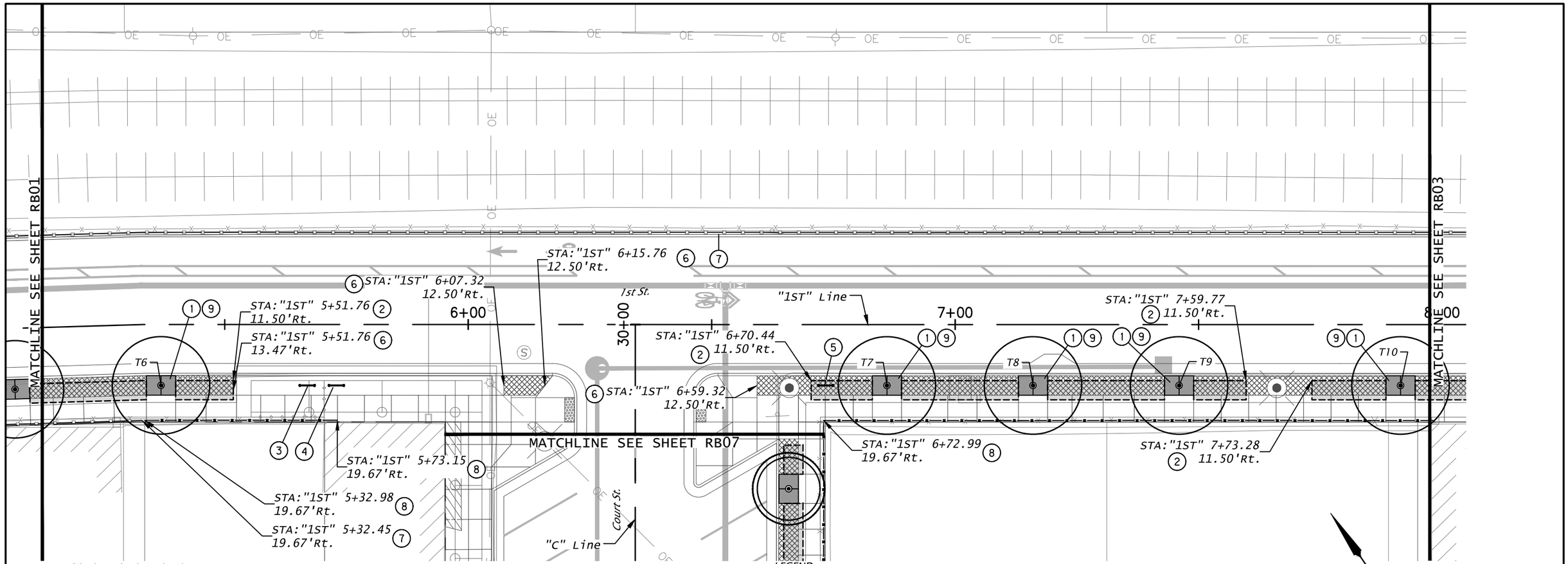

CONSTRUCTION NOTES

1. Const. tree well and tree grate
   (For details, see shts. RD01 and RD02)
   (For layout table, see sht. RA01)
2. Const. tree soil cells
   (For details, see sht. RD01)
3. Sta. "1ST" 5+66.92, 12.50' Rt.
   Const. Agency furnished, Contractor installed bicycle rack
   (For details, see sht. RD04)
4. Sta. "1ST" 5+72.92, 12.50' Rt.
   Const. Agency furnished, Contractor installed bicycle rack
   (For details, see sht. RD04)
5. Sta. "1ST" 6+73.44, 12.50' Rt.
   Const. Agency furnished, Contractor installed bicycle rack
   (For details, see sht. RD04)
6. Const. unit pavers
   (For details, see sht. RD04)
7. Const. ornamental pedestrian rail type 1
   (For details, see sht. RD03)
8. Const. ornamental pedestrian rail type 2
   (For details, see sht. RD03)
9. Plant deciduous tree at tree grate
   (For details, see sht. RD05)

LEGEND

- T## — Tree Well and Tree Grate w/ Layout Key
- Tree Soil Cells
- Ornamental Pedestrian Rail Type 1
- Ornamental Pedestrian Rail Type 2
- Bicycle Rack (Agency-Furnished, Contractor Installed)
- T — Litter Receptacle (Agency-Furnished, Contractor Installed)
- Bollard
- Unit Pavers
- Concrete Score Joints

REGISTERED
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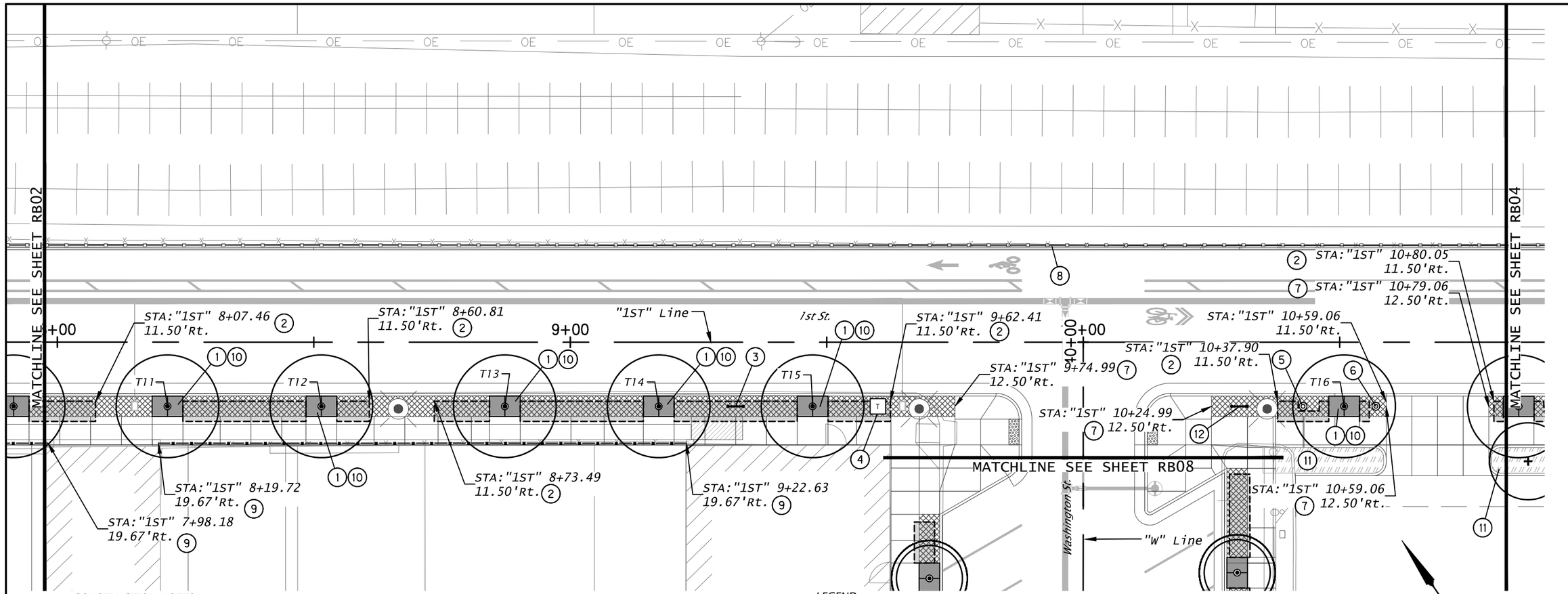
Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

STREETSCAPE SITE PLAN

SHEET NO. RB02

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB02
Plotted: 10/13/25 at 2:58pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286out-SD 7286out-WT 7286xsv-Union



CONSTRUCTION NOTES

1. Const. tree well and tree grate
(For details, see shts. RD01 and RD02)
(For layout table, see sht. RA01)
2. Const. tree soil cells
(For details, see sht. RD01)
3. Sta. "1ST" 9+32.26, 12.50' Rt.
Const. Agency furnished, Contractor installed bicycle rack
(For details, see sht. RD04)
4. Sta. "1ST" 9+59.97, 12.50' Rt.
Const. Agency furnished, Contractor installed litter receptacle
(For details, see sht. RD04)
5. Sta. "1ST" 10+42.86, 12.50' Rt.
Const. bollard
(For details, see sht. RD04)
6. Sta. "1ST" 10+57.06, 12.50' Rt.
Const. bollard
(For details, see sht. RD04)
7. Const. unit pavers
(For details, see sht. RD04)
8. Const. ornamental pedestrian rail type 1
(For details, see sht. RD03)
9. Const. ornamental pedestrian rail type 2
(For details, see sht. RD03)
10. Plant deciduous tree at tree grate
(For details, see sht. RD05)
11. Install cinder mulch
(For details, see sht. RD05)
12. Sta. "1ST" 10+30.43, 12.50' Rt.
Const. Agency furnished, Contractor installed bicycle rack
(For details, see sht. RD04)

LEGEND

- T## — Tree Well and Tree Grate w/ Layout Key
- Tree Soil Cells
- Ornamental Pedestrian Rail Type 1
- Ornamental Pedestrian Rail Type 2
- Bicycle Rack (Agency-Furnished, Contractor Installed)
- T — Litter Receptacle (Agency-Furnished, Contractor Installed)
- Bollard
- Unit Pavers
- Concrete Score Joints
- Cinder Mulch

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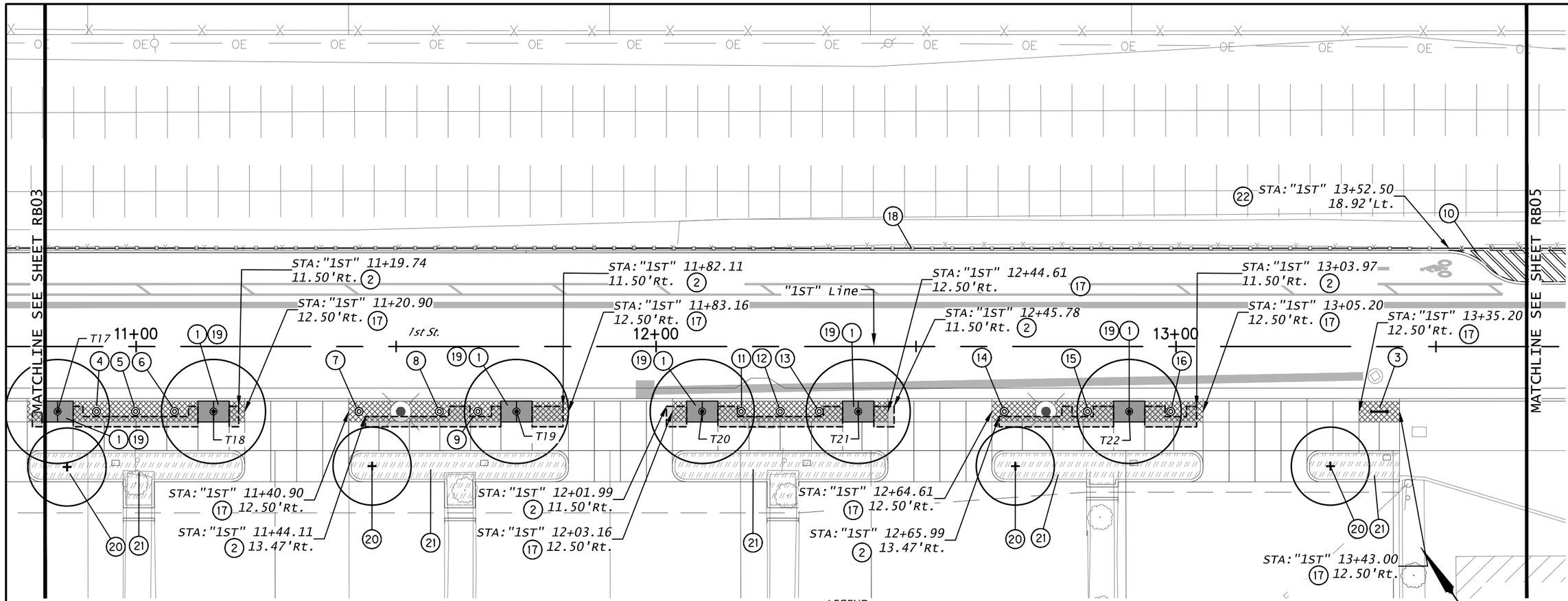
Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

STREETSCAPE SITE PLAN

SHEET NO. RB03

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB03
Plotted: 10/13/25 at 2:58pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xstb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286aut-SD 7286aut-WT 7286xsv-Union



CONSTRUCTION NOTES

1. Const. tree well and tree grate (For details, see shts. RD01 and RD02) (For layout table, see sht. RA01)
2. Const. tree soil cells (For details, see sht. RD01)
3. Sta. "1ST" 13+39.10, 12.50' Rt. Const. Agency furnished, Contractor installed bicycle rack (For details, see sht. RD04)
4. Sta. "1ST" 10+92.40, 12.50' Rt. Const. bollard (For details, see sht. RD04)
5. Sta. "1ST" 10+99.90, 12.50' Rt. Const. bollard (For details, see sht. RD04)
6. Sta. "1ST" 11+07.40, 12.50' Rt. Const. bollard (For details, see sht. RD04)
7. Sta. "1ST" 11+42.90, 12.50' Rt. Const. bollard (For details, see sht. RD04)
8. Sta. "1ST" 11+58.32, 12.50' Rt. Const. bollard (For details, see sht. RD04)
9. Sta. "1ST" 11+65.74, 12.50' Rt. Const. bollard (For details, see sht. RD04)
10. Plant Agency furnished, Contractor installed shrubs and groundcovers.
11. Sta. "1ST" 12+16.38, 12.50' Rt. Const. bollard (For details, see sht. RD04)
12. Sta. "1ST" 12+23.89, 12.50' Rt. Const. bollard (For details, see sht. RD04)
13. Sta. "1ST" 12+31.38, 12.50' Rt. Const. bollard (For details, see sht. RD04)
14. Sta. "1ST" 12+67.00, 12.50' Rt. Const. bollard (For details, see sht. RD04)
15. Sta. "1ST" 12+83.00, 12.50' Rt. Const. bollard (For details, see sht. RD04)
16. Sta. "1ST" 12+99.03, 12.50' Rt. Const. bollard (For details, see sht. RD04)
17. Const. unit pavers (For details, see sht. RD04)
18. Const. ornamental pedestrian rail type 1 (For details, see sht. RD03)
19. Plant deciduous tree at tree grate (For details, see sht. RD05)
20. Plant deciduous tree (For details, see sht. RD05)
21. Install cinder mulch (For details, see sht. RD05)
22. Const. ornamental pedestrian rail type 3 (For details, see sht. RD03)

LEGEND

- Tree Well and Tree Grate w/ Layout Key (T##)
- Tree Soil Cells
- Ornamental Pedestrian Rail Type 1
- Ornamental Pedestrian Rail Type 2
- Ornamental Pedestrian Rail Type 3
- Litter Receptacle (Agency-Furnished, Contractor Installed) (T)
- Bollard
- Unit Pavers
- Concrete Score Joints
- Cinder Mulch

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242
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OREGON
10/31/1988
EXP. 10/31/2025
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THE DALLES FIRST STREET PROJECT UNION STREET TO MADISION STREET

THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

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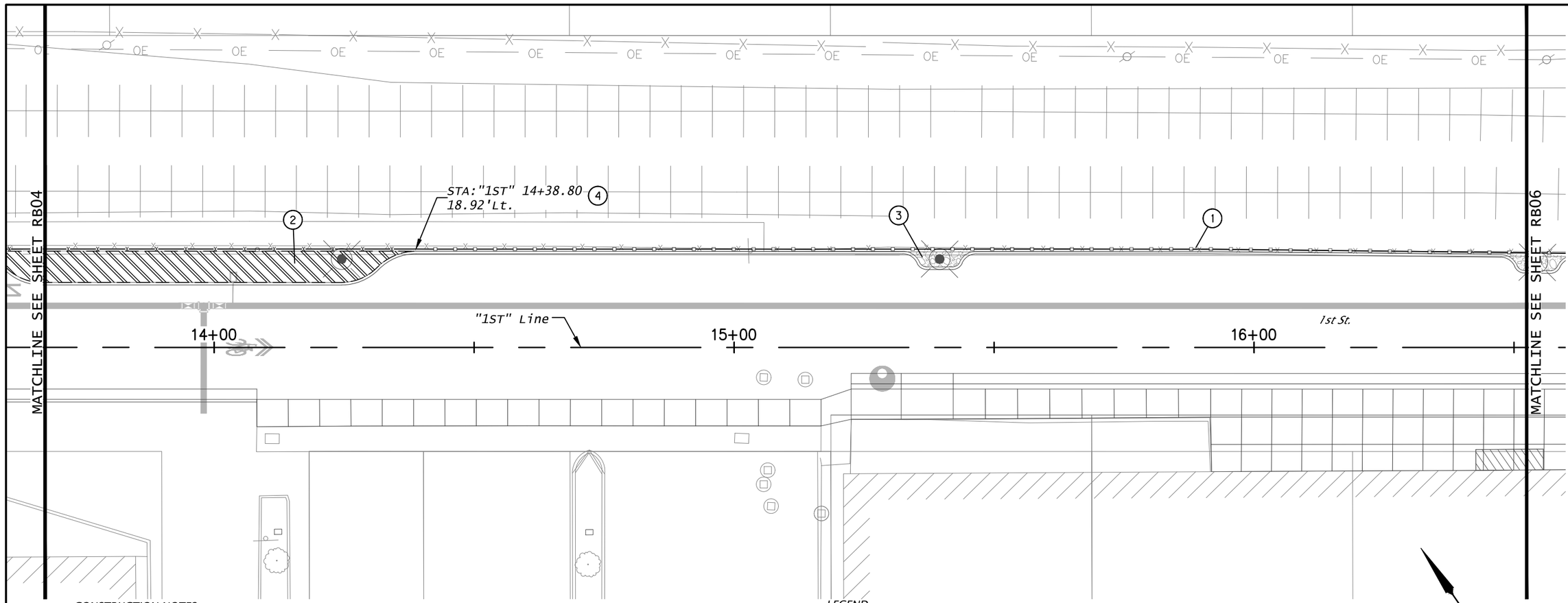
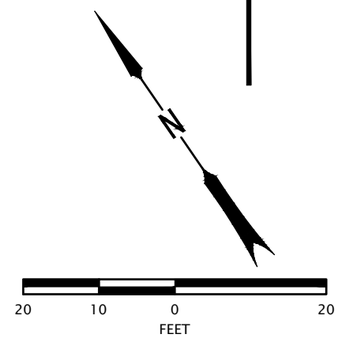
STREETSCAPE SITE PLAN

SHEET NO. RB04

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB04
Plotted: 10/13/25 at 2:58pm By: wess
XREFs: X_230065_DSGN_BASE 7286ext 7286xrb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union





CONSTRUCTION NOTES

1. Const. ornamental pedestrian rail type 1 (For details, see sht. RD03)
2. Plant Agency furnished, Contractor installed shrubs and groundcovers.
3. Install ballast mulch (For details, see sht. RD05)
4. Const. ornamental pedestrian rail type 3 (For details, see sht. RD03)

LEGEND

- Ornamental Pedestrian Rail Type 1
- Ornamental Pedestrian Rail Type 3
- Concrete Score Joints
- Ballast Mulch

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STREETSCAPE SITE PLAN

SHEET NO.
RB05

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB05
Plotted: 10/13/25 at 2:59pm By: wess
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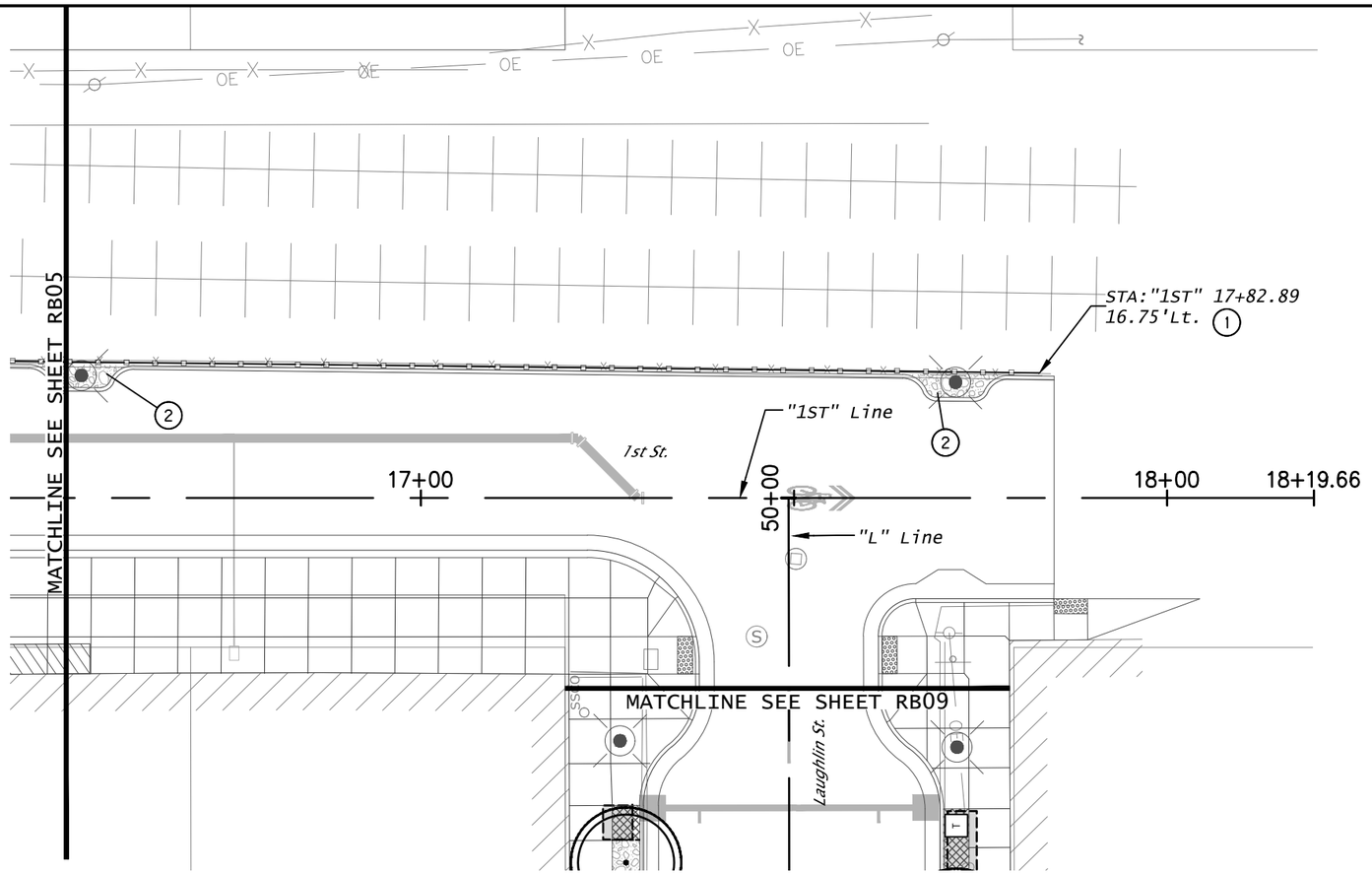

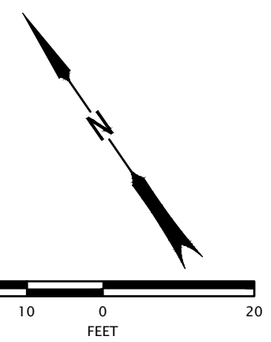

CONSTRUCTION NOTES

1. *Const. ornamental pedestrian rail type 1 (For details, see sht. RD03)*
2. *Install ballast mulch (For details, see sht. RD05)*

LEGEND

- *Ornamental Pedestrian Rail Type 1*
- *Concrete Score Joints*
- *Ballast Mulch*

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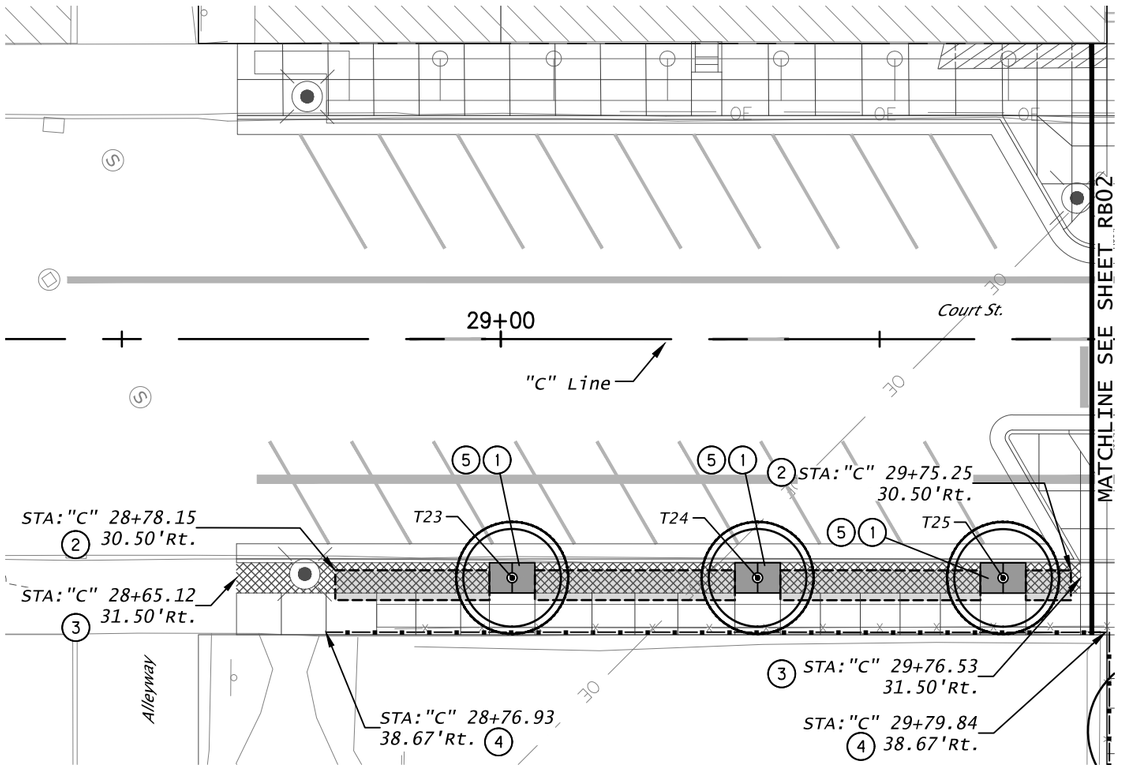
STREETSCAPE SITE PLAN

SHEET NO.
RB06

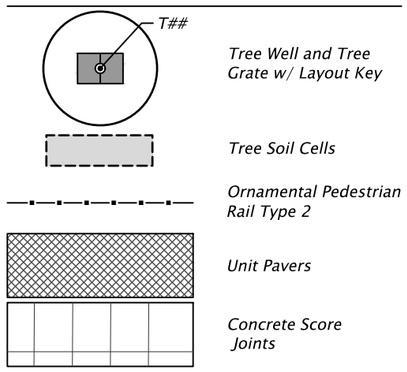
File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB06
Plotted: 10/13/25 at 2:59pm By wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union



CONSTRUCTION NOTES

1. Const. tree well and tree grate
   (For details, see shts. RD01 and RD02)
   (For layout table, see sht. RA01)
2. Const. tree soil cells
   (For details, see sht. RD01)
3. Const. unit pavers
   (For details, see sht. RD04)
4. Const. ornamental pedestrian rail type 2
   (For details, see sht. RD03)
5. Plant deciduous tree at tree grate
   (For details, see sht. RD05)

LEGEND



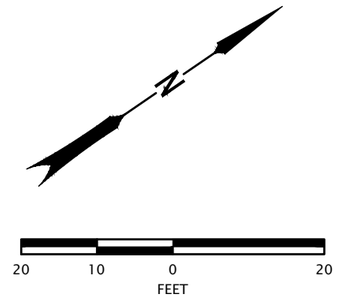
Tree Well and Tree Grate w/ Layout Key

Tree Soil Cells

Ornamental Pedestrian Rail Type 2

Unit Pavers

Concrete Score Joints



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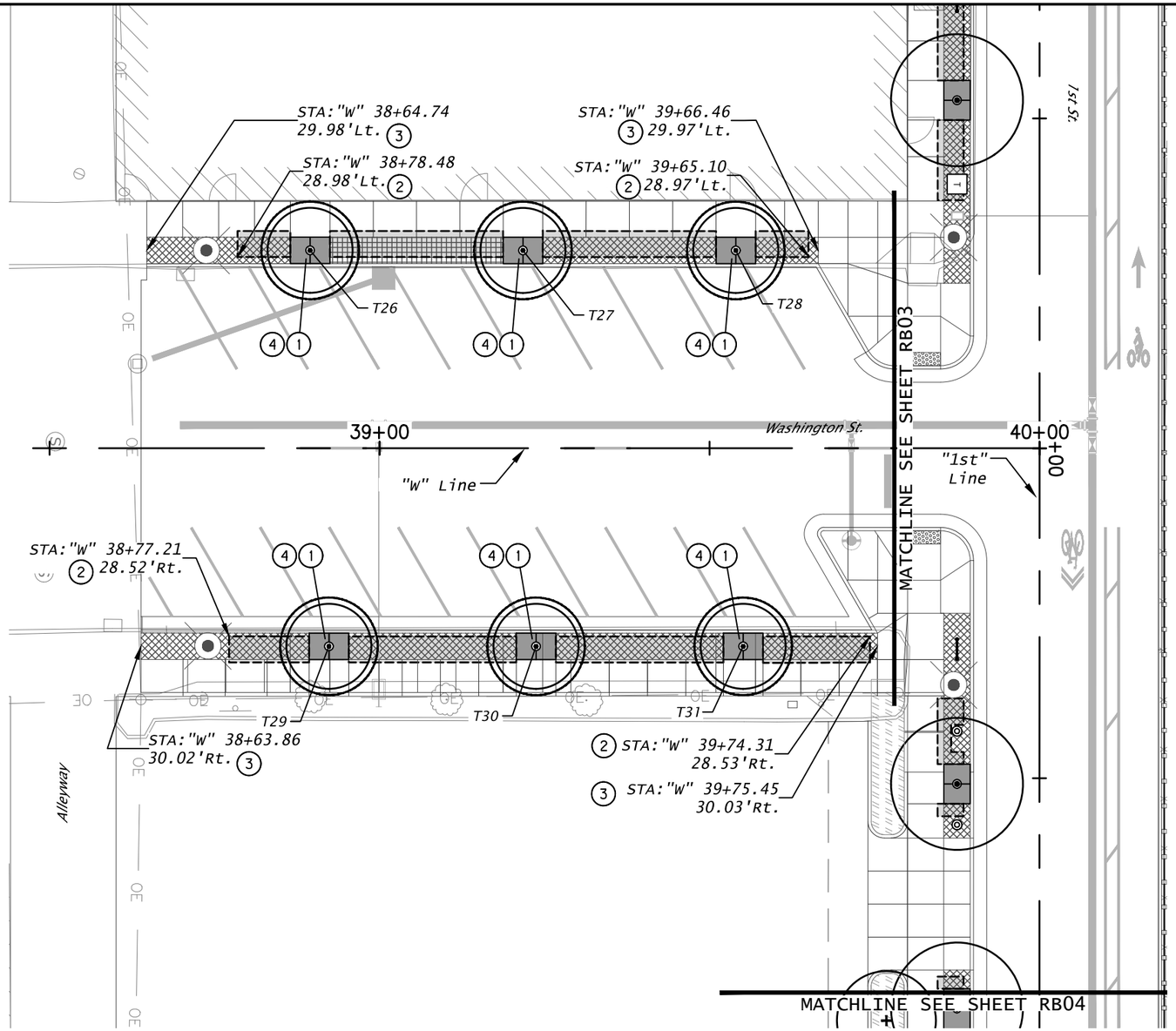
UNION STREET TO MADISION STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

STREETSCAPE SITE PLAN

SHEET NO.
RB07

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB07
Plotted: 10/13/25 at 2:59pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286aut-SD 7286aut-WT 7286xsv-Union



CONSTRUCTION NOTES

1. *Const. tree well and tree grate (For details, see shts. RD01 and RD02) (For layout table, see sht. RA01)*
2. *Const. tree soil cells (For details, see sht. RD01)*
3. *Const. unit pavers (For details, see sht. RD04)*
4. *Plant deciduous tree at tree grate (For details, see sht. RD05)*

LEGEND

- T## — *Tree Well and Tree Grate w/ Layout Key*
- *Tree Soil Cells*
- *Unit Pavers*
- *Concrete Score Joints*

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Design Team Leader - P.C.
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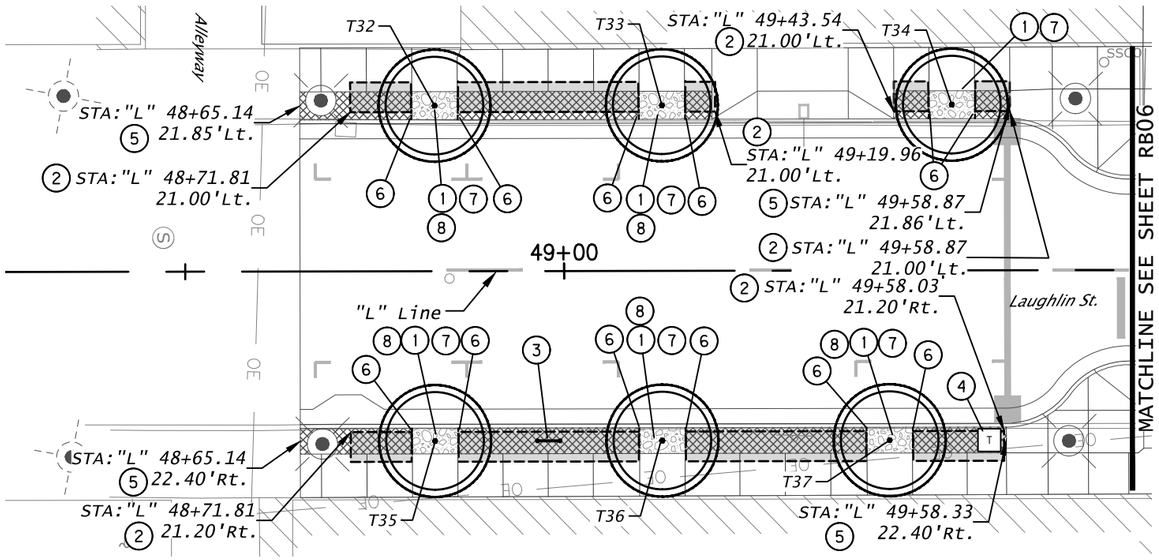
Drafted By - W.S. / C.W.

STREETSCAPE SITE PLAN

SHEET NO.
RB08

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB08
Plotted: 10/13/25 at 2:59pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union



CONSTRUCTION NOTES

1. *Const. tree well*
   (For details, see shts. RD01 and RD02)
   (For layout table, see sht. RA01)
2. *Const. tree soil cells*
   (For details, see sht. RD01)
3. *Sta. "L" 48+97.93, 22.40' Rt.*
   Const. Agency furnished, Contractor installed bicycle rack
   (For details, see sht. RD04)
4. *Sta. "L" 49+56.08, 22.40' Rt.*
   Const. Agency furnished, Contractor installed litter receptacle
   (For details, see sht. RD04)
5. *Const. unit pavers*
   (For details, see sht. RD04)
6. *Const. paver edge restraint*
   (For details, see sht. RD04)
7. *Plant deciduous tree*
   (For details, see sht. RD05)
8. *Install ballast mulch*
   (For details, see sht. RD05)

LEGEND

- T## — *Tree Well (Open) w/ Layout Key*
- *Tree Soil Cells*
- *Bicycle Rack (Agency-Furnished, Contractor Installed)*
- T — *Litter Receptacle (Agency-Furnished, Contractor Installed)*
- *Unit Pavers*
- *Concrete Score Joints*
- *Ballast Mulch*

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STREETSCAPE SITE PLAN

SHEET NO.
RB09

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_SITE.dwg TAB:RB09
Plotted: 10/13/25 at 2:59pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xstb-11X17 X_230065_SITE 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union

DRIPLINE SCHEDULE					
Symbol	Description	Manufacturer / Model	Qty	Emitter Spacing	GPH
	Dripline around tree	Hunter HDL-09-12-CV	42 ea.	12" OC	0.90
	Landscape subsurface dripline	Hunter HDL-06-12-CV	3,037 sq. ft.	12" OC	0.60

EQUIPMENT SCHEDULE			
Symbol	Description	Manufacturer / Model	Remarks
	Cross-control - Backflow Prevention Device	Watts 007 or Febco 850	Approved equivalent to models indicated allowed for consideration.
M	Master valve	Buckner Superior 3000 (1-1/2")	
FS	Flow sensor	Flomec QS200	
	Automatic drip control valve	Hunter ICZ-101-40-LF	Battery operated controller (DC latching).
	Quick coupling valve	Hunter HQ-44LRC (1")	
	Manual drain valve	Miscellaneous	Angle valve style or approved equal.
	Isolation valve	Nibco T-113-K	
FV	Flush valve	Miscellaneous	
AV	Air vacuum relief valve	Miscellaneous	
	Dripline connection	Miscellaneous	

PIPE SCHEDULE			
Symbol	Description	Type	Remarks
	Main Line	Sch 40 PVC pipe	
	Lateral Line	Class 200 PVC pipe	
	Sleeve	Sch 40 PVC pipe	Minimum size 2x total dia. going through pipe

IRRIGATION NOTES

1. Verify all existing and proposed utilities prior to excavation and trenching.
2. System operation and design is based on 90 pounds of pressure and 35 gallons at the water meter. Verify the design pressure and volume prior to installation and notify Engineer if there is a discrepancy.
3. Reference planting plan(s) prior to installation of valves. Adjust valve locations to eliminate conflict with proposed plantings and paving patterns.
4. Stake proposed irrigation equipment and valve locations and obtain approval by the Engineer prior to installation.
5. Verify the dimensions and layout of all irrigated areas on site before initiating Work and immediately notify Engineer of any deviations from Plans.
6. Stake proposed tree locations and obtain approval by Engineer prior to installation of new irrigation system.
7. Mainlines and lateral lines may be drawn diagrammatically for clarity. Mainlines and lateral lines shown in paved areas shall be placed in adjacent planting areas unless specifically indicated as passing under paving in sleeving. Obtain Engineer's approval prior to making changes in routing of pipe location of valves.
8. Coordinate irrigation enclosure location and installation of tree soil cells to avoid conflicts.
9. Provide a bundled, blank 2-wire path to all points of connections (POCs) with enough slack to be installed at all equipment around POC that would be serviced by a future irrigation controller connection.

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - W.S. / C.W.

IRRIGATION SCHEDULE AND NOTES

SHEET NO.
RC01

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC01
Plotted: 10/13/25 at 3:00pm By: wess
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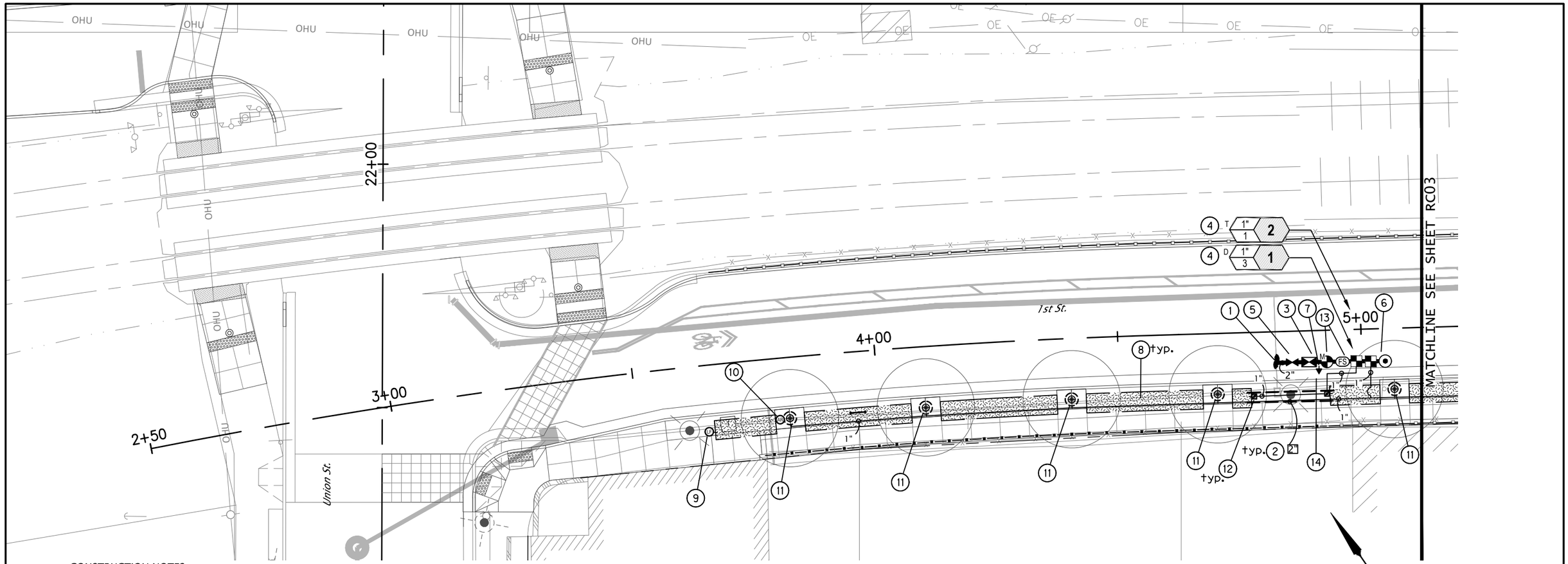

CONSTRUCTION NOTES

1. *Const. point of connection (For details, see sht. RD06)*
2. *Const. irrigation pipe sleeve (For details, see sht. RD06)*
3. *Const. cross-control - backflow prevention device (For details, see sht. RD06)*
4. *Const. automatic drip control valve (battery operated) (For details, see sht. RD06)*
5. *Const. isolation valve (For details, see sht. RD06)*
6. *Const. quick coupling valve (For details, see sht. RD06)*
7. *Const. manual drain valve (For details, see sht. RD07)*
8. *Install subsurface landscape dripline (For details, see sht. RD07)*
9. *Const. dripline flush valve (For details, see sht. RD07)*
10. *Const. dripline air vacuum relief (For details, see sht. RD07)*
11. *Install dripline around tree (For details, see sht. RD07)*
12. *Const. dripline connection (For details, see sht. RD08)*
13. *Const. master valve and flow sensor (For details, see sht. RD08)*
14. *Install irrigation enclosure typical layout (For details, see sht. RD08)*

LEGEND

- *Main line w/ pipe label size* (X")
- *Lateral line w/ pipe label size* (X")
- *Sleeve w/ pipe label size* (X")
- *Landscape subsurface dripline*
- *Dripline around tree*
- *Control valve target* (00 / X" / 00.0 / X)
  - *Station number*
  - *Valve size*
  - *Area designation: T=Tree D=Drip*
  - *Flow in gpm*

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OREGON
10/31/1988
EXP. 10/31/2025

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THE DALLES, OREGON
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Design Team Leader - P.C.
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Drafted By - W.S. / C.W.

IRRIGATION PLAN

SHEET NO. RC02

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC02
Plotted: 10/13/25 at 3:00pm By: wess
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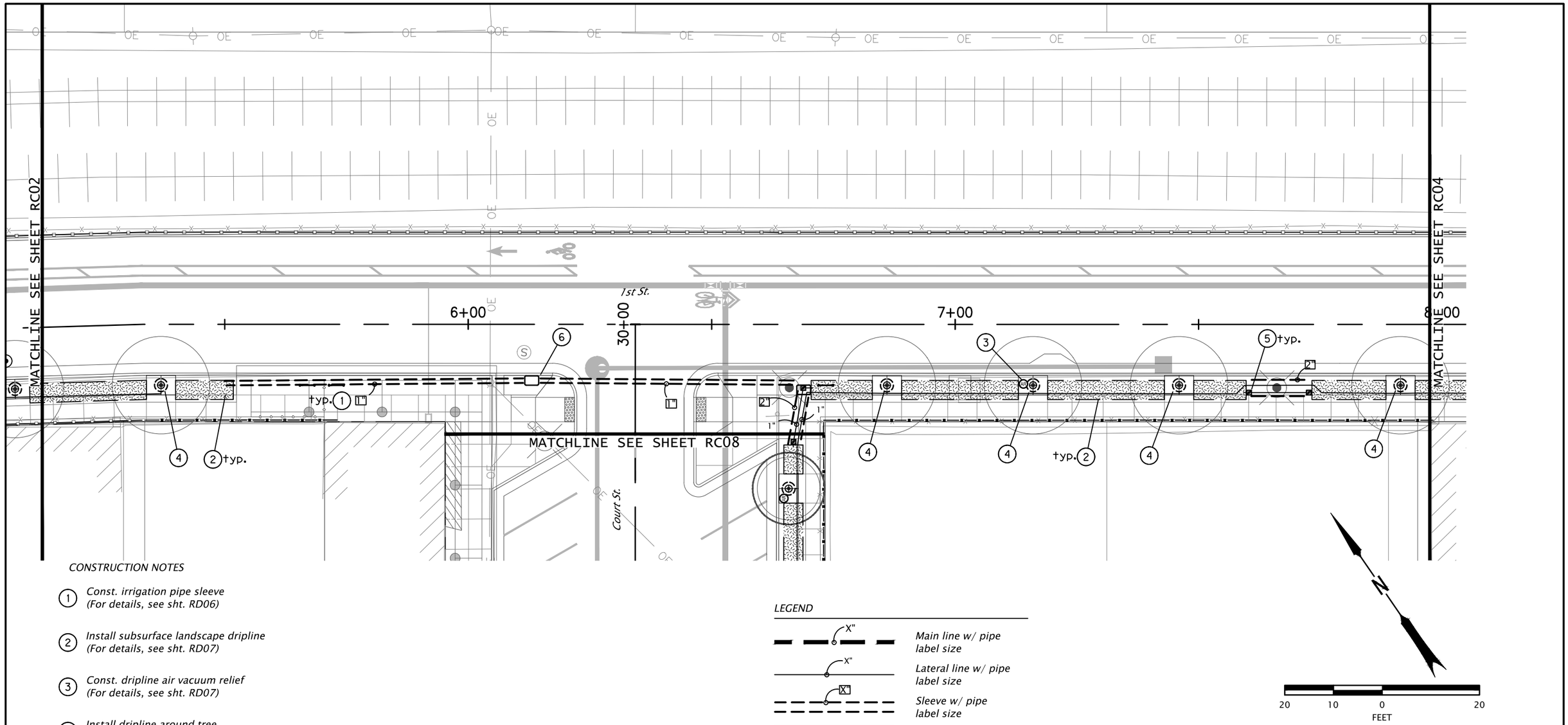

CONSTRUCTION NOTES

1. *Const. irrigation pipe sleeve (For details, see sht. RD06)*
2. *Install subsurface landscape dripline (For details, see sht. RD07)*
3. *Const. dripline air vacuum relief (For details, see sht. RD07)*
4. *Install dripline around tree (For details, see sht. RD07)*
5. *Const. dripline connection (For details, see sht. RD08)*
6. *Provide type "B" rectangular enclosure.*

LEGEND

- *Main line w/ pipe label size*
- *Lateral line w/ pipe label size*
- *Sleeve w/ pipe label size*
- *Landscape subsurface dripline*
- *Dripline around tree*

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Design Team Leader - P.C.
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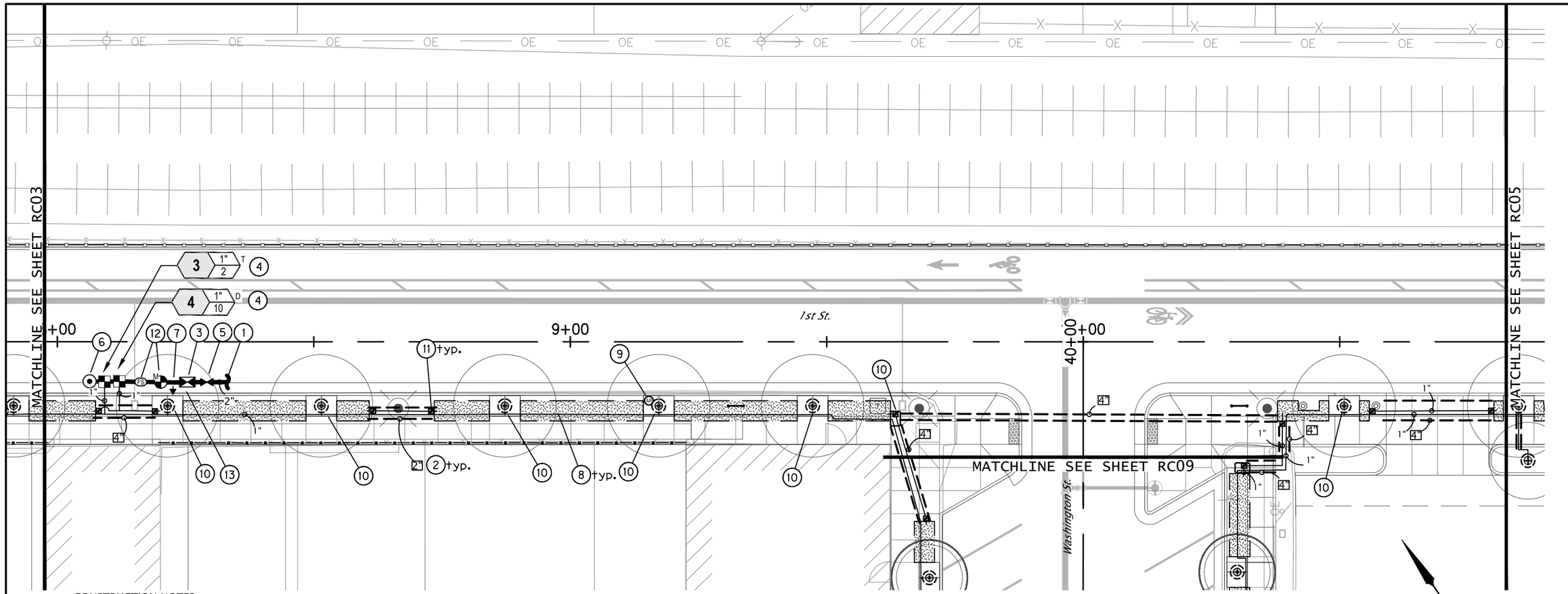
IRRIGATION PLAN

SHEET NO.
RC03

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC03
Plotted: 10/13/25 at 3:00pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union X_230065_IRRG



CONSTRUCTION NOTES

1. Const. point of connection (For details, see sht. RD06)
2. Const. irrigation pipe sleeve (For details, see sht. RD06)
3. Const. cross-control - backflow prevention device (For details, see sht. RD06)
4. Const. automatic drip control valve (battery operated) (For details, see sht. RD06)
5. Const. isolation valve (For details, see sht. RD06)
6. Const. quick coupling valve (For details, see sht. RD06)
7. Const. manual drain valve (For details, see sht. RD07)
8. Install subsurface landscape dripline (For details, see sht. RD07)
9. Const. dripline air vacuum relief (For details, see sht. RD07)
10. Install dripline around tree (For details, see sht. RD07)
11. Const. dripline connection (For details, see sht. RD08)
12. Const. master valve and flow sensor (For details, see sht. RD08)
13. Install irrigation enclosure typical layout (For details, see sht. RD08)
14. Provide type "B" rectangular enclosure.

LEGEND

- X" — Main line w/ pipe label size
- X" — Lateral line w/ pipe label size
- X" — Sleeve w/ pipe label size
- Landscape subsurface dripline
- Dripline around tree
- Control valve target (Station number / Valve size / Area designation: T=Tree D=Drip / Flow in gpm)

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OREGON
10/31/1988
EXP. 10/31/2025
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THE DALLES FIRST STREET PROJECT
UNION STREET TO MADISION STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - W.S. / C.W.

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IRRIGATION PLAN

SHEET NO. RC04

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC04
Plotted: 10/13/25 at 3:00pm By: wess
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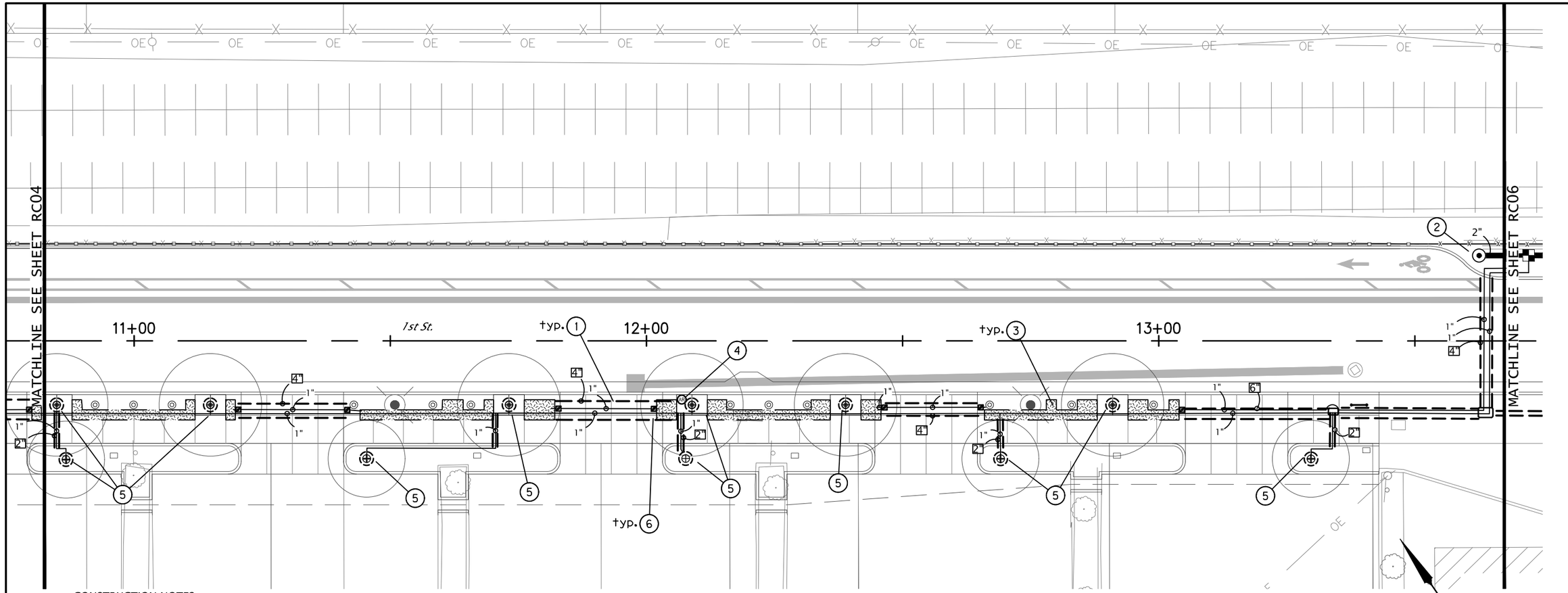

CONSTRUCTION NOTES

1. *Const. irrigation pipe sleeve (For details, see sht. RD06)*
2. *Const. quick coupling valve (For details, see sht. RD06)*
3. *Install subsurface landscape dripline (For details, see sht. RD07)*
4. *Const. dripline air vacuum relief (For details, see sht. RD07)*
5. *Install dripline around tree (For details, see sht. RD07)*
6. *Const. dripline connection (For details, see sht. RD08)*

LEGEND

- *Main line w/ pipe label size* (X")
- *Lateral line w/ pipe label size* (X")
- *Sleeve w/ pipe label size* (X")
- *Landscape subsurface dripline*
- *Dripline around tree*

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THE DALLES FIRST STREET PROJECT
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IRRIGATION PLAN

SHEET NO.
RC05

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC05
Plotted: 10/13/25 at 3:00pm By: wess
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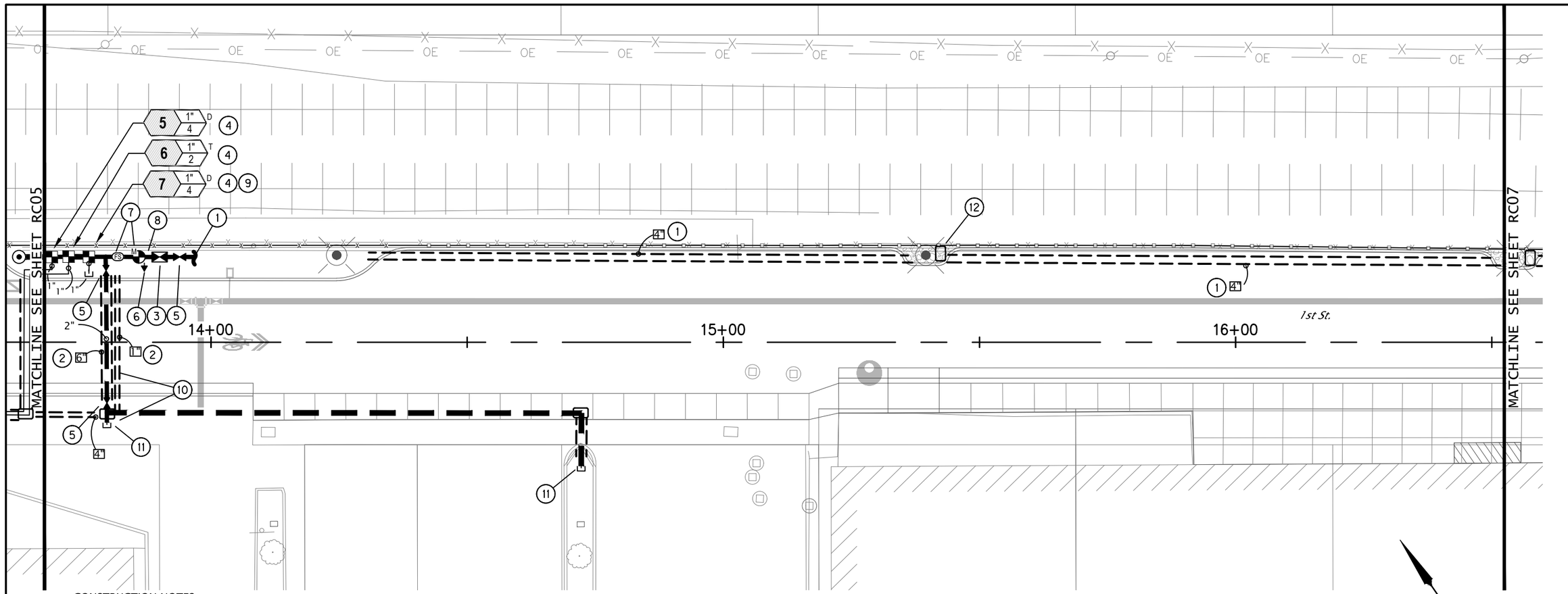

CONSTRUCTION NOTES

1. Const. point of connection (For details, see sht. RD06)
2. Const. irrigation pipe sleeve (For details, see sht. RD06)
3. Const. cross-control - backflow prevention device (For details, see sht. RD06)
4. Const. automatic drip control valve (battery operated) (For details, see sht. RD06)
5. Const. isolation valve (For details, see sht. RD06)
6. Const. manual drain valve (For details, see sht. RD07)
7. Const. master valve and flow sensor (For details, see sht. RD08)
8. Install irrigation enclosure typical layout (For details, see sht. RD08)
9. Cap automatic control valve lateral line for future dripline installation in planting bed as part of the Federal Street Plaza project. GPM shown is an estimate.
10. Provide irrigation pipe sleeve with a 2-wire path to system indicated. Provide coiled wire at POC area for future splicing and connection to controller as part of the Federal Street Plaza project.
11. Cap mainline for future use in Type "B" enclosure.
12. Provide type "B" rectangular enclosure.

LEGEND

- X" — Main line w/ pipe label size
- X" — Lateral line w/ pipe label size
- X" — Sleeve w/ pipe label size
- Landscape subsurface dripline
- Dripline around tree
- Control valve target (00 = Station number; X" = Valve size; X = Area designation: T=Tree D=Drip; 00.0 = Flow in gpm)

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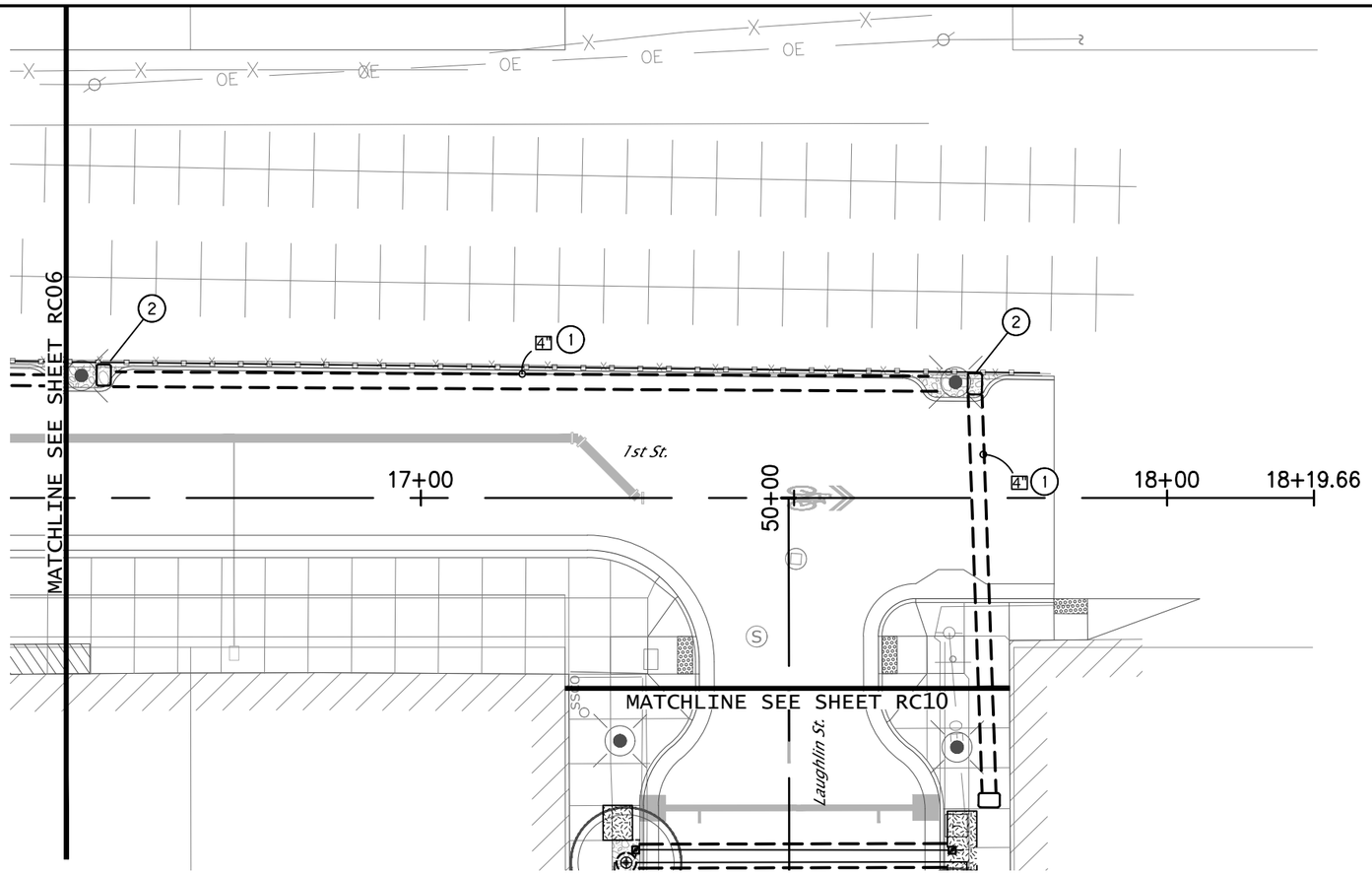
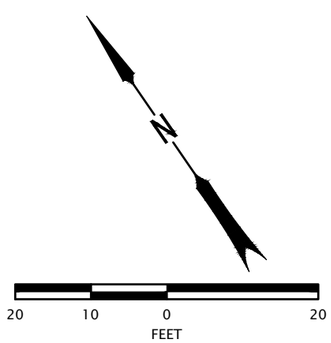
IRRIGATION PLAN

SHEET NO. RC06

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC06
Plotted: 10/13/25 at 3:00pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union X_230065_IRRG





CONSTRUCTION NOTES

1. *Const. irrigation pipe sleeve (For details, see sht. RD06)*
2. *Provide type "B" rectangular enclosure.*

LEGEND

- *Main line w/ pipe label size* (X")
- *Lateral line w/ pipe label size* (X")
- *Sleeve w/ pipe label size* (X")
- *Landscape subsurface dripline*
- *Dripline around tree*

REGISTERED LANDSCAPE ARCHITECT
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WASCO COUNTY

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IRRIGATION PLAN

SHEET NO.
RC07

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC07
Plotted: 10/13/25 at 3:00pm By: wess
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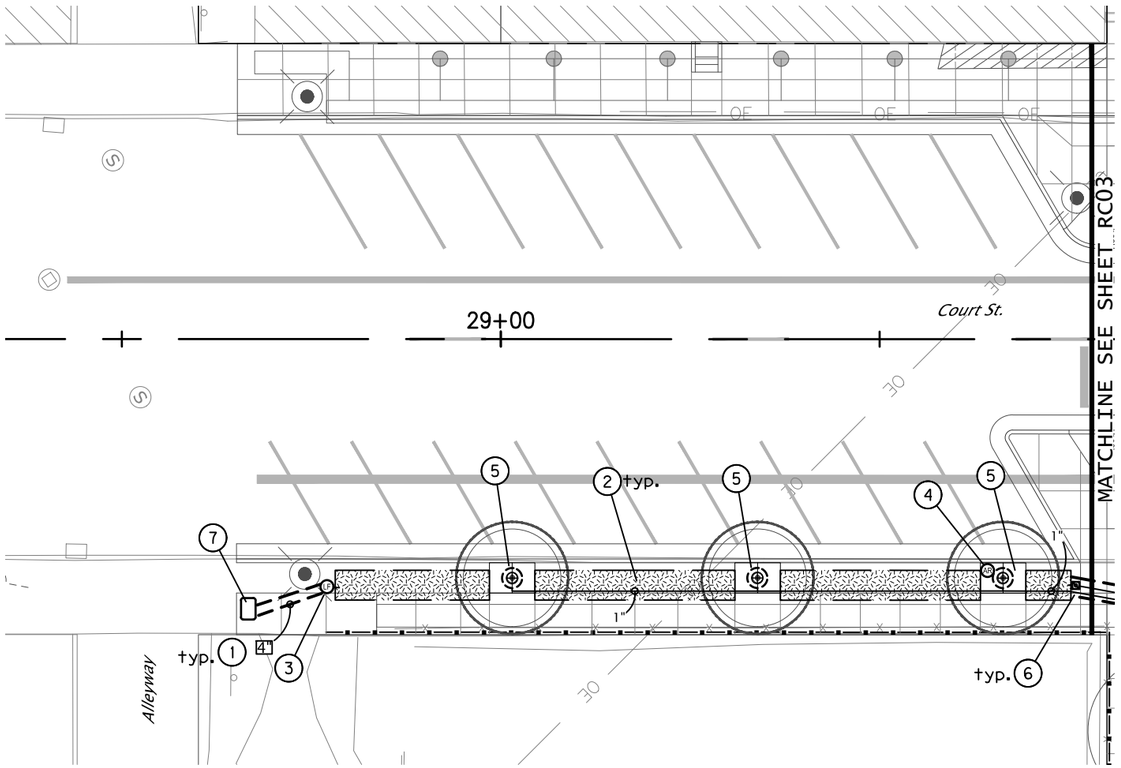
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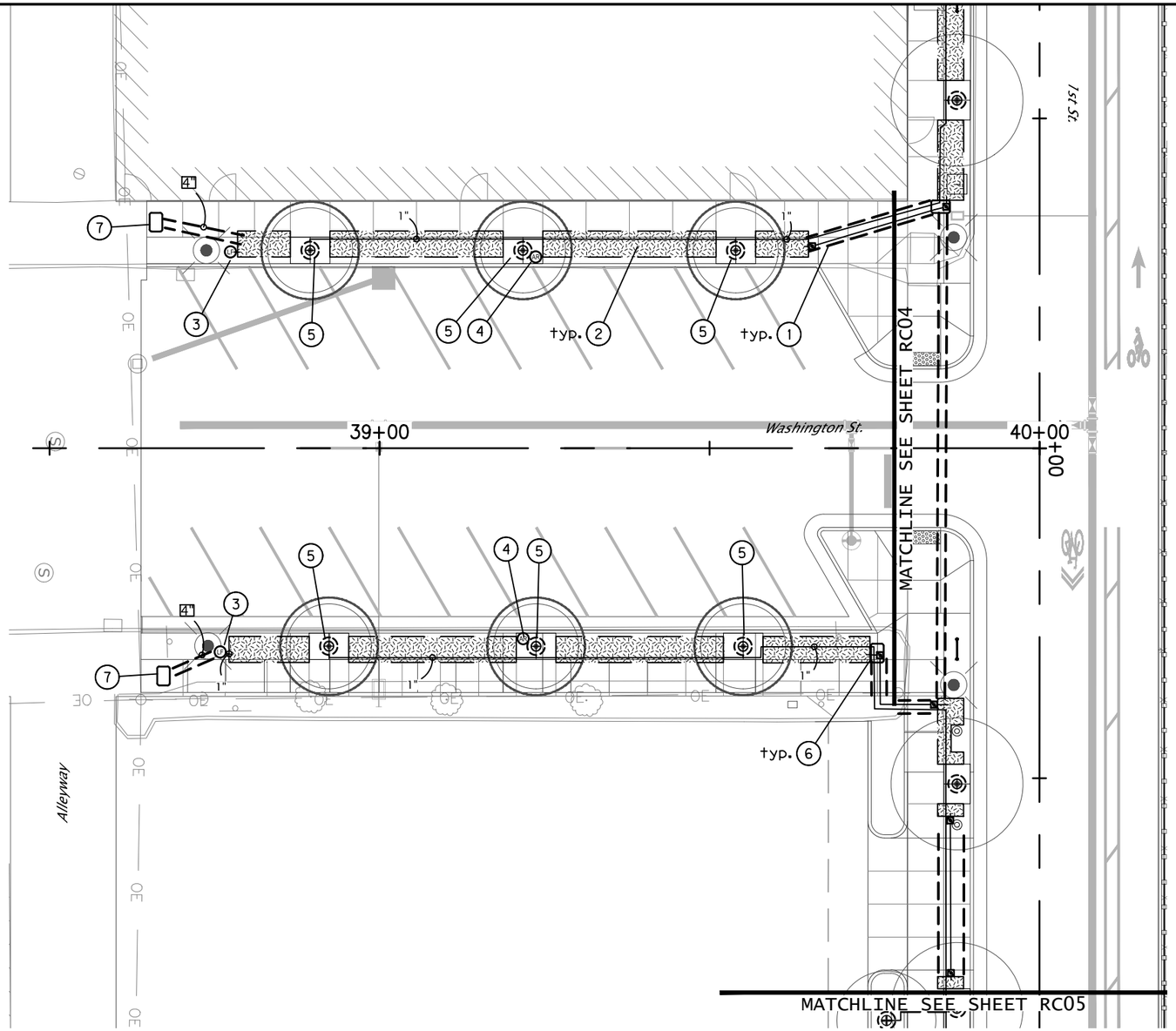

CONSTRUCTION NOTES

1. *Const. irrigation pipe sleeve (For details, see sht. RD06)*
2. *Install subsurface landscape dripline (For details, see sht. RD07)*
3. *Const. dripline flush valve (For details, see sht. RD07)*
4. *Const. dripline air vacuum relief (For details, see sht. RD07)*
5. *Install dripline around tree (For details, see sht. RD07)*
6. *Const. dripline connection (For details, see sht. RD08)*
7. *Provide type "B" rectangular enclosure.*

LEGEND

- *Main line w/ pipe label size* (X")
- *Lateral line w/ pipe label size* (X")
- *Sleeve w/ pipe label size* (X")
- *Landscape subsurface dripline*
- *Dripline around tree*

N

20 10 0 20
FEET

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IRRIGATION PLAN

SHEET NO.
RC09

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC09
Plotted: 10/13/25 at 3:01pm By: wess
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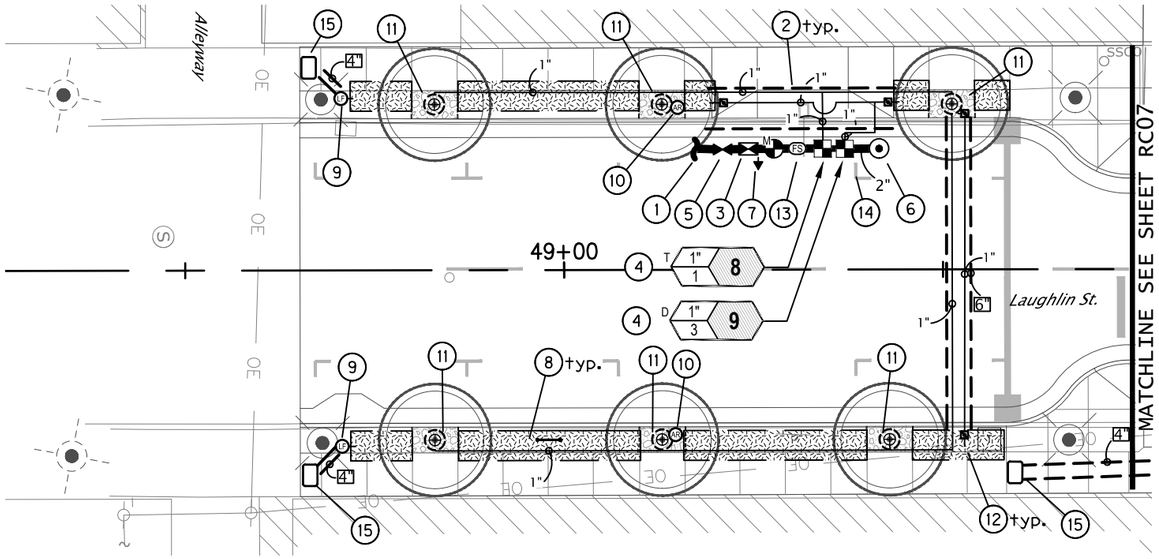
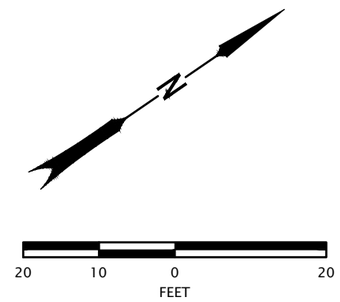


CONSTRUCTION NOTES

1. *Const. point of connection (For details, see sht. RD06)*
2. *Const. irrigation pipe sleeve (For details, see sht. RD06)*
3. *Const. cross-control - backflow prevention device (For details, see sht. RD06)*
4. *Const. automatic drip control valve (battery operated) (For details, see sht. RD06)*
5. *Const. isolation valve (For details, see sht. RD06)*
6. *Const. quick coupling valve (For details, see sht. RD06)*
7. *Const. manual drain valve (For details, see sht. RD07)*
8. *Install subsurface landscape dripline (For details, see sht. RD07)*
9. *Const. dripline flush valve (For details, see sht. RD07)*
10. *Const. dripline air vacuum relief (For details, see sht. RD07)*
11. *Install dripline around tree (For details, see sht. RD07)*
12. *Const. dripline connection (For details, see sht. RD08)*
13. *Const. master valve and flow sensor (For details, see sht. RD08)*
14. *Install irrigation enclosure typical layout (For details, see sht. RD08)*
15. *Provide type "B" rectangular enclosure.*

LEGEND

- *Main line w/ pipe label size* (X")
- *Lateral line w/ pipe label size* (X")
- *Sleeve w/ pipe label size* (X")
- *Landscape subsurface dripline*
- *Dripline around tree*
- *Control valve target* (Station number; Valve size; Area designation: T=Tree D=Drip; Flow in gpm)



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THE DALLES FIRST STREET PROJECT
UNION STREET TO MADISION STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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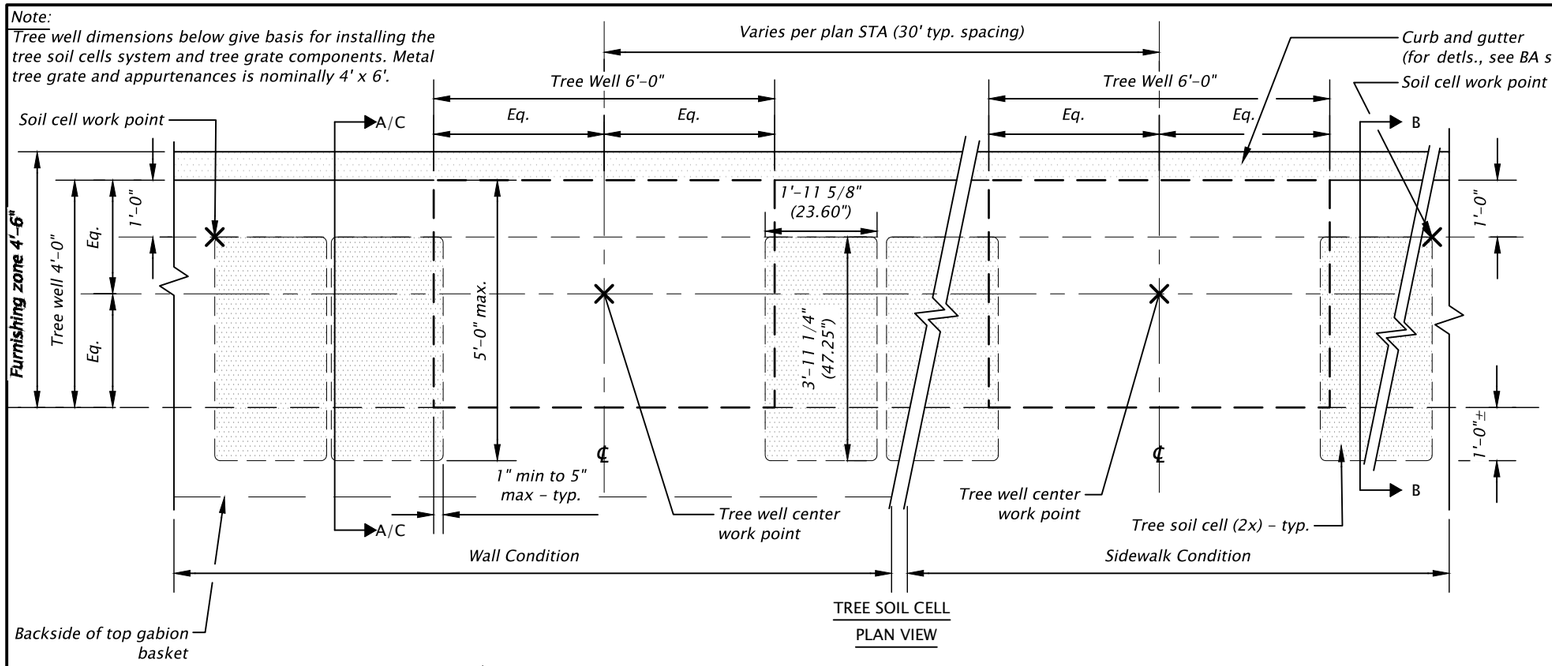
IRRIGATION PLAN

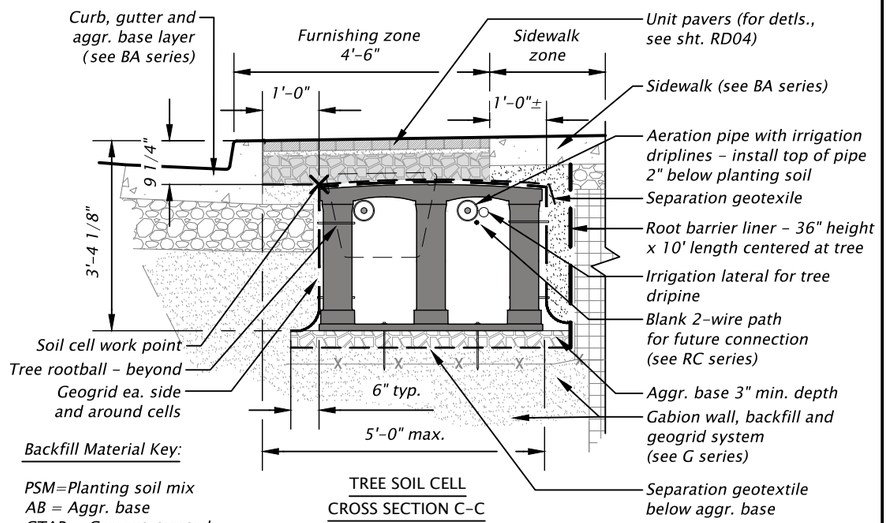
SHEET NO. RC10

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_IRRG.dwg TAB:RC10
Plotted: 10/13/25 at 3:01pm By: wess
XREFs: X_230065_DSGN_BASE 7286xst 7286xtb-11X17 7286xsv 24115 Illumination base 7286xut-SD 7286xut-WT 7286xsv-Union X_230065_IRRG

Note:
Tree well dimensions below give basis for installing the tree soil cells system and tree grate components. Metal tree grate and appurtenances is nominally 4' x 6'.



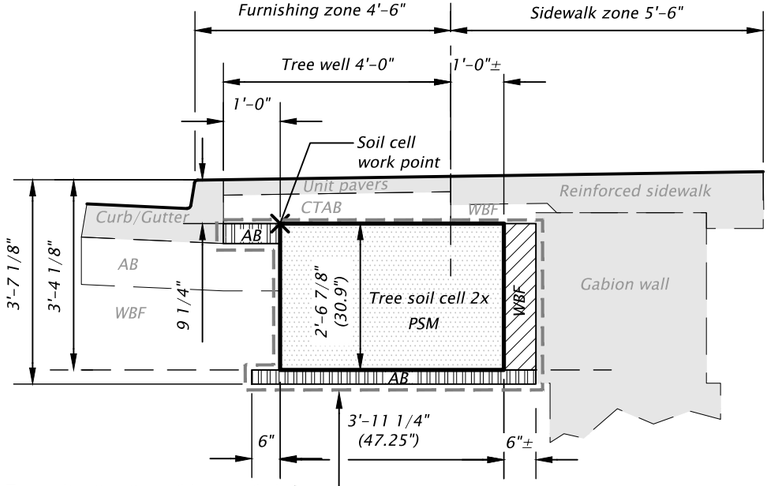
TREE SOIL CELL
PLAN VIEW



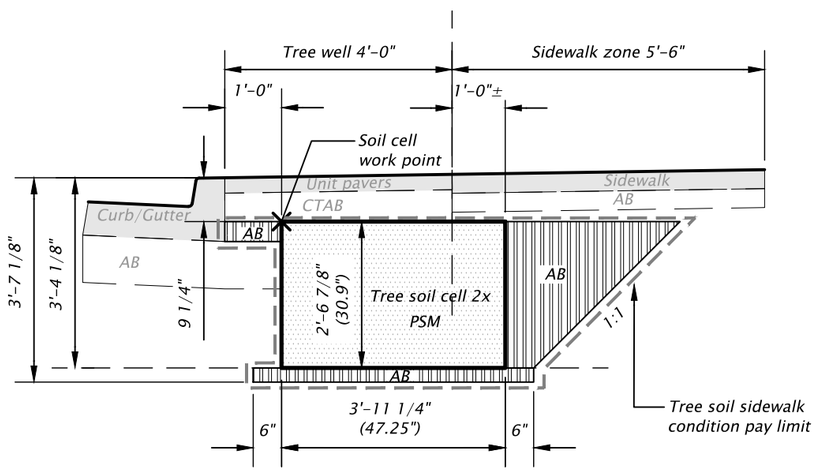
TREE SOIL CELL
CROSS SECTION C-C

Backfill Material Key:

PSM=Planting soil mix
AB = Aggr. base
CTAB = Cement-treated aggr. base
WBF = Wall backfill



TREE SOIL CELL AT WALL CONDITION
CROSS SECTION A-A



TREE SOIL CELL AT SIDEWALK CONDITION
CROSS SECTION B-B

TREE SOIL CELLS

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WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

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OREGON

STREETSCAPE SITE DETAILS

SHEET NO.
RD01

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD01
Plotted: 10/13/25 at 3:01pm By: wess
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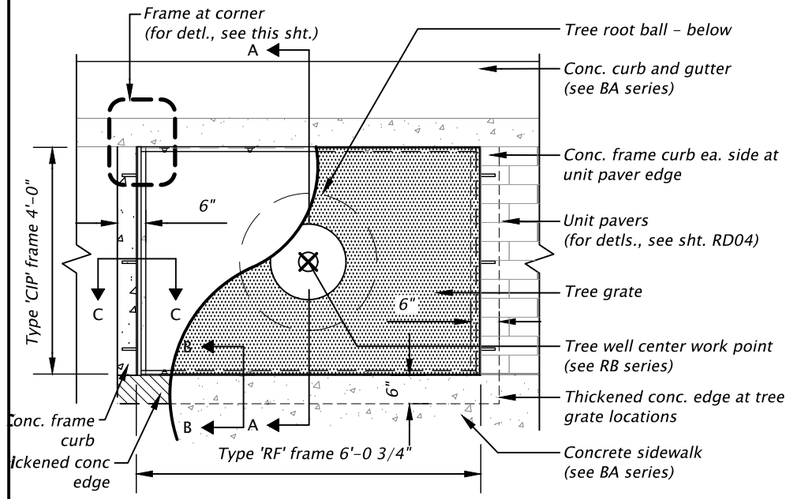
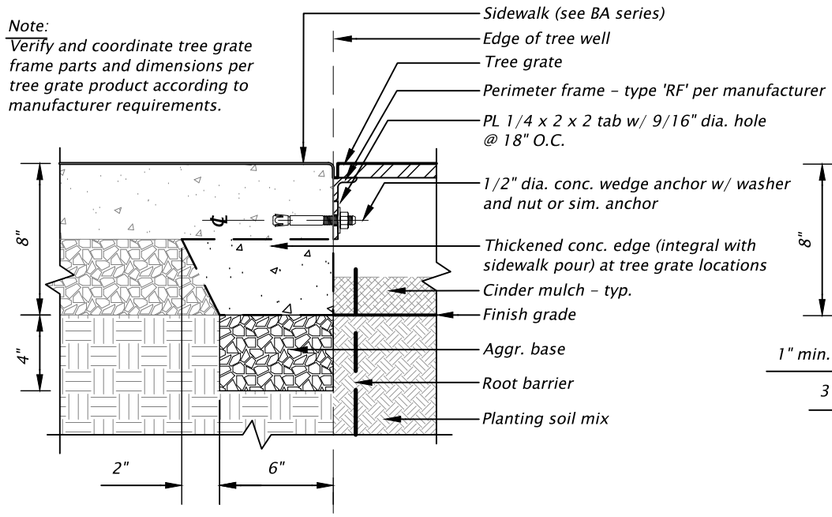
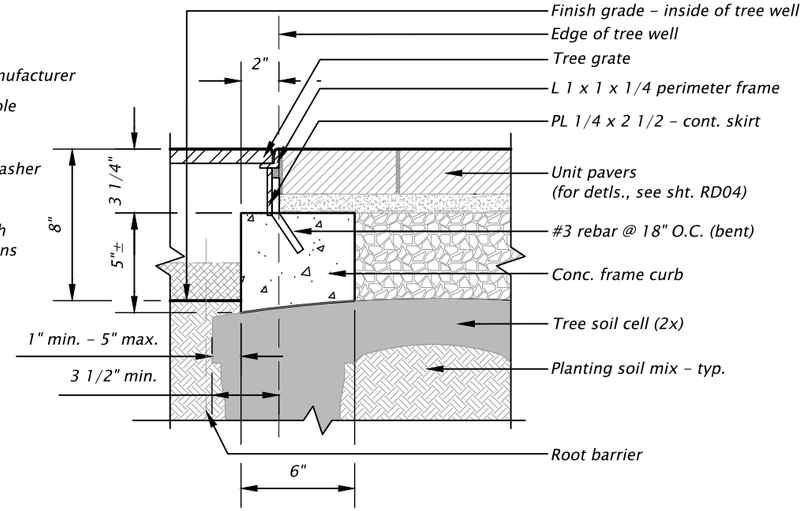


TREE WELL AND TREE GRATE PLAN VIEW

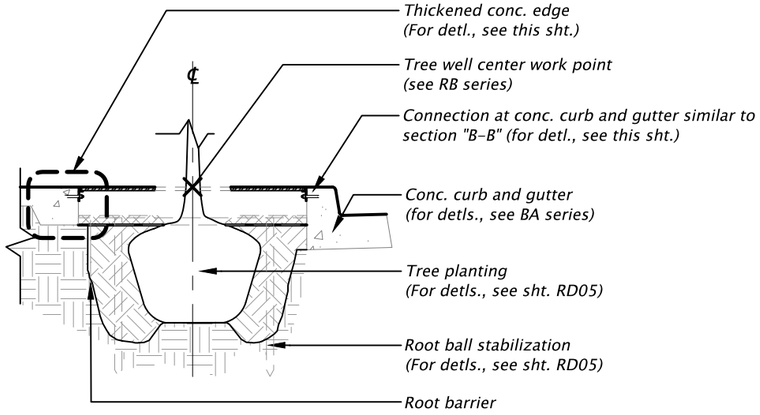
Note:
Verify and coordinate tree grate frame parts and dimensions per tree grate product according to manufacturer requirements.



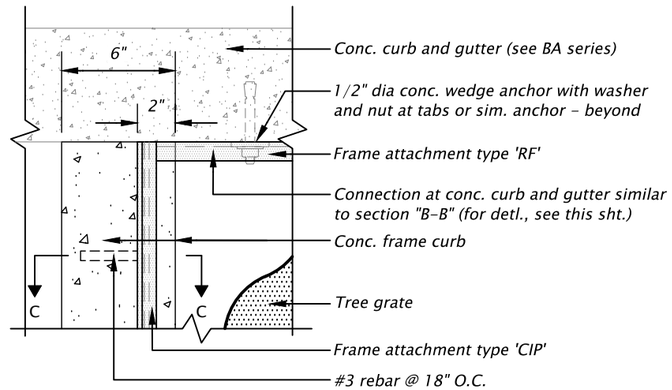
THICKENED CONC. EDGE SECTION "B-B"



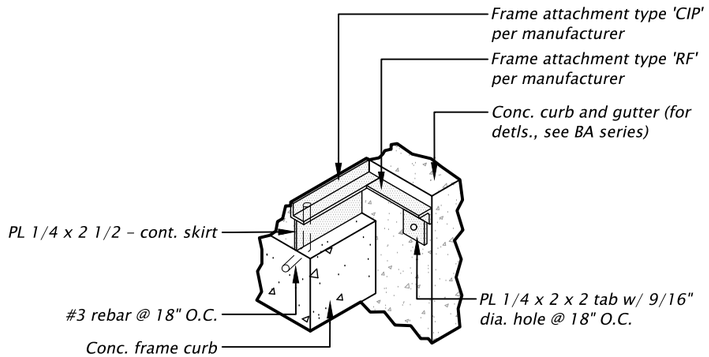
CONC. FRAME CURB SECTION "C-C"



TREE WELL AND TREE GRATE CROSS-SECTION "A-A"



FRAME AT CORNER PLAN



FRAME AT CORNER ISOMETRIC VIEW

TREE GRATE

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10/31/1988
EXP. 10/31/2025

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STREETSCAPE SITE DETAILS

SHEET NO.
RD02

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD02
Plotted: 10/13/25 at 3:01pm By: wess
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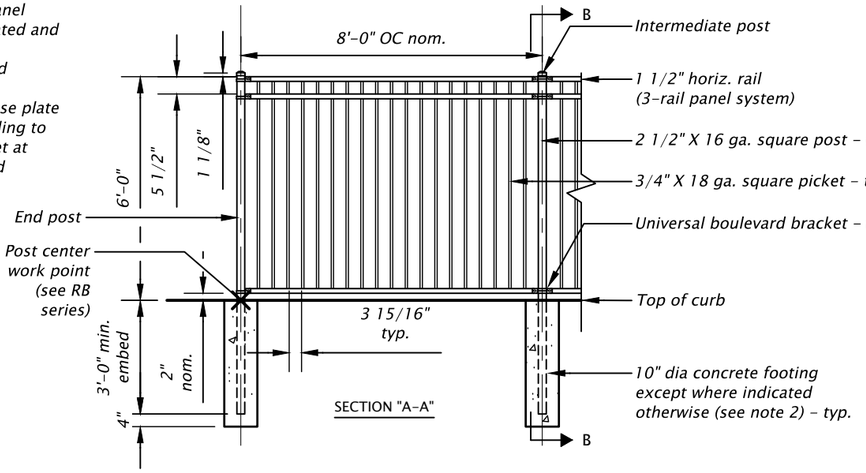
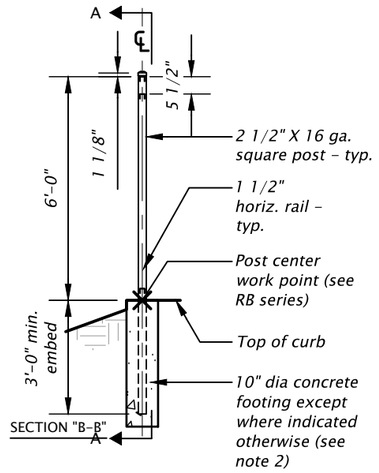
Notes:

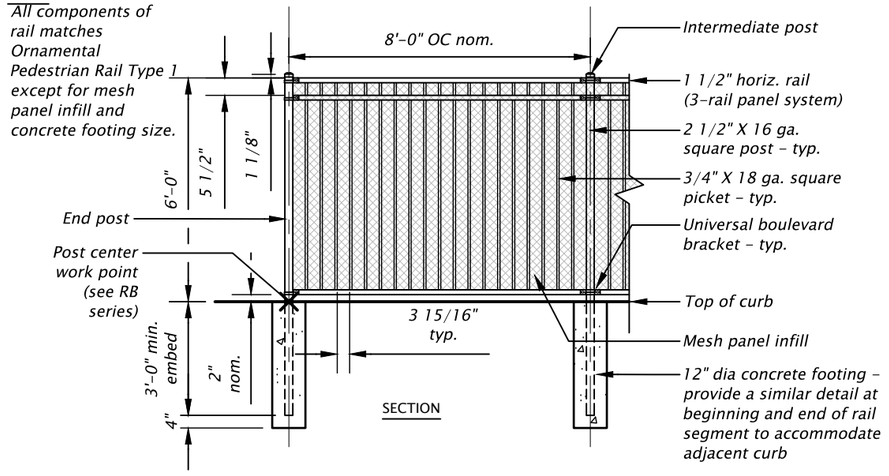
1. Provide custom panel sizes where indicated and as necessary to accommodate field conditions.
2. Provide post to base plate connection according to detail on this sheet at locations indicated (sidewalk side).



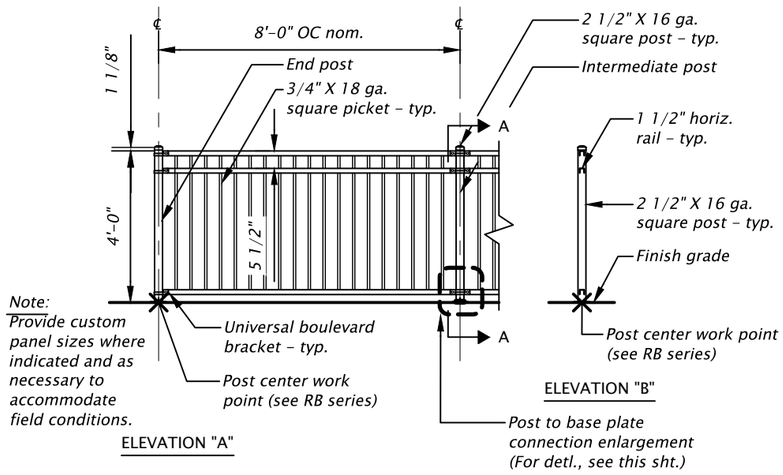


ORNAMENTAL PEDESTRIAN RAIL TYPE 1

Note:
All components of rail matches Ornamental Pedestrian Rail Type 1 except for mesh panel infill and concrete footing size.



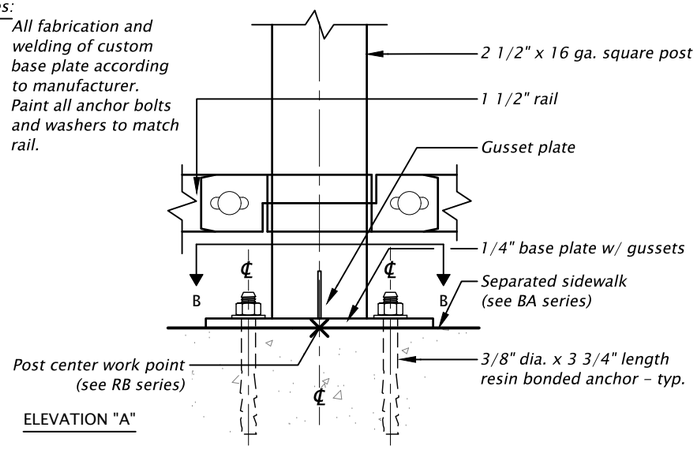
ORNAMENTAL PEDESTRIAN RAIL TYPE 3

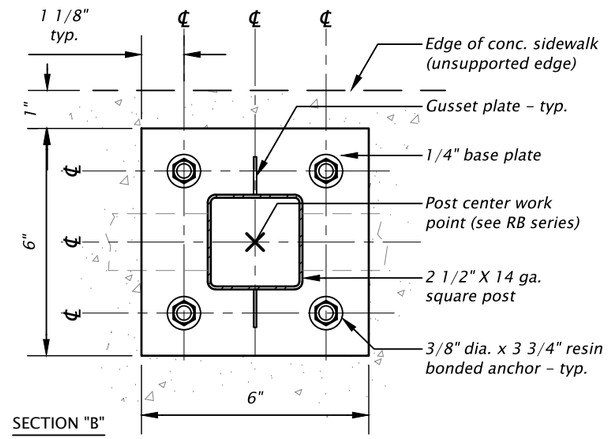


ORNAMENTAL PEDESTRIAN RAIL TYPE 2

Notes:

1. All fabrication and welding of custom base plate according to manufacturer.
2. Paint all anchor bolts and washers to match rail.





POST TO BASE PLATE CONNECTION ENLARGEMENT

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242
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OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO MADISION STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

STREETSCAPE SITE DETAILS

SHEET NO.
RD03

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD03
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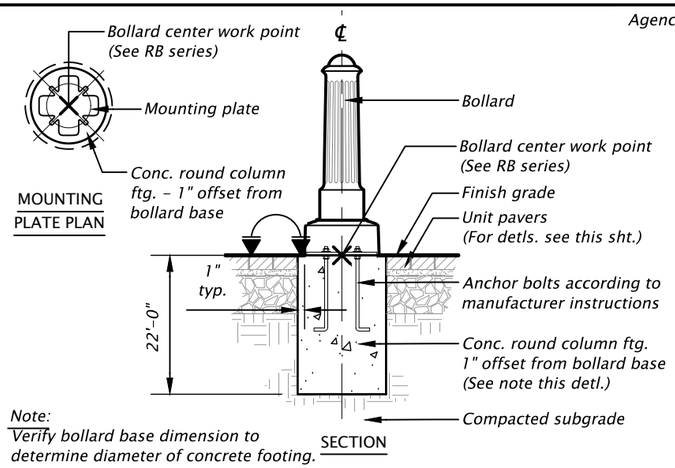
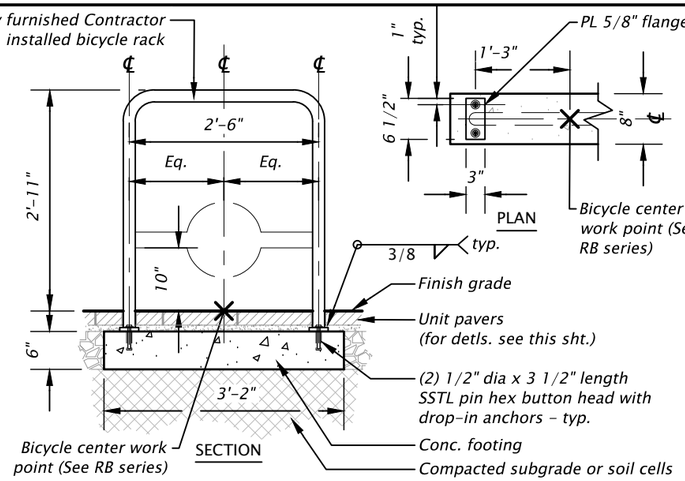
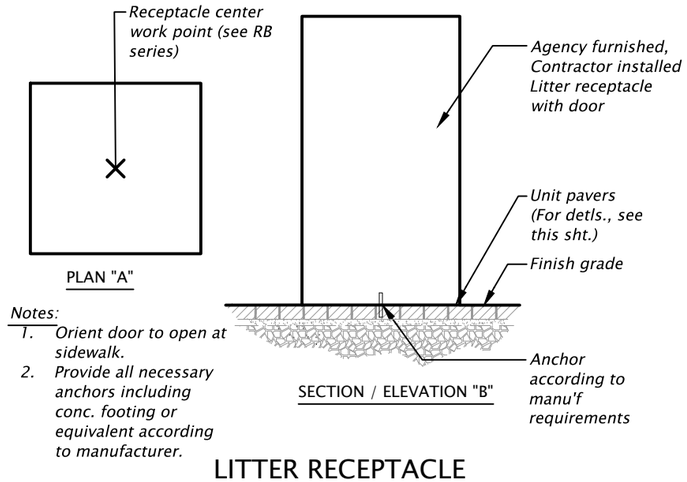


Note:
Verify bollard base dimension to determine diameter of concrete footing.

BOLLARD

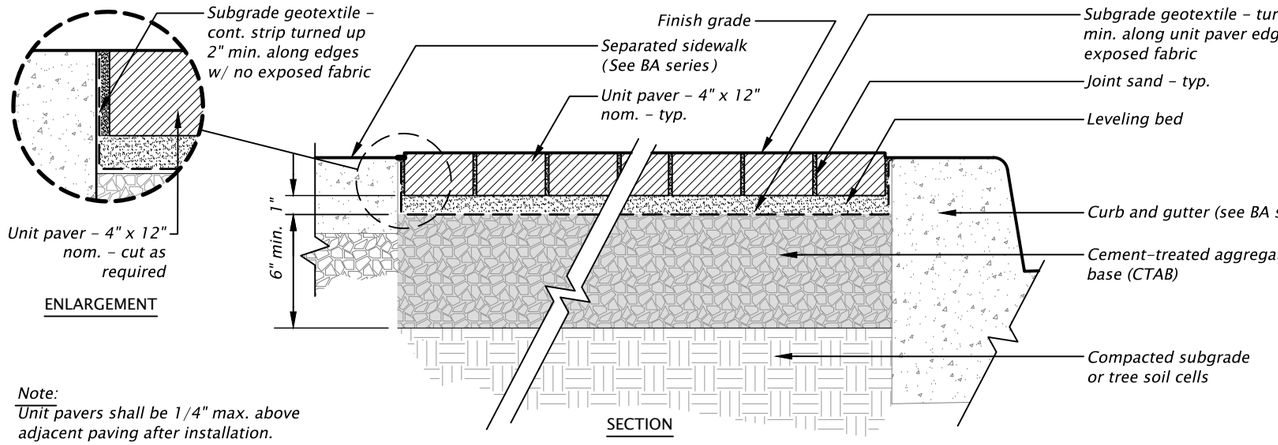


BICYCLE RACK

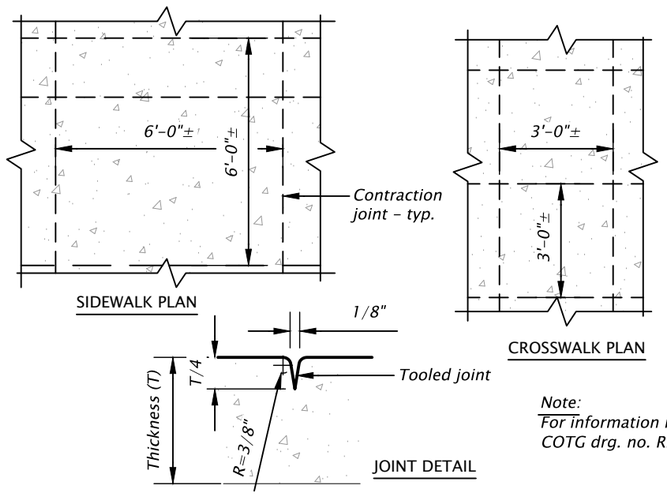


Notes:
1. *Orient door to open at sidewalk.*
2. *Provide all necessary anchors including conc. footing or equivalent according to manufacturer.*

LITTER RECEPTACLE

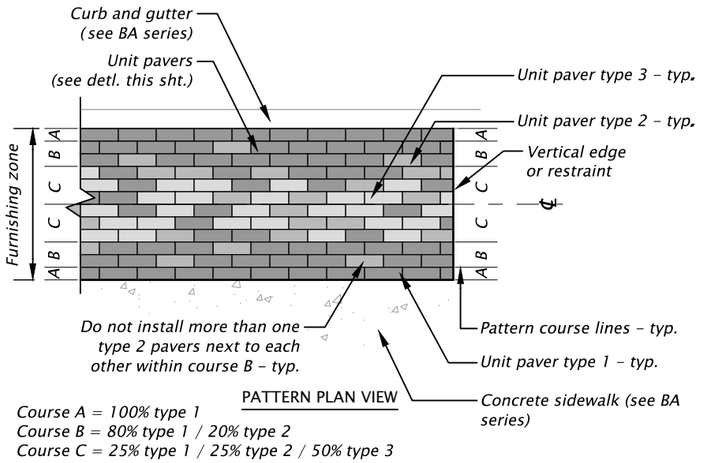


Note:
Unit pavers shall be 1/4" max. above adjacent paving after installation.



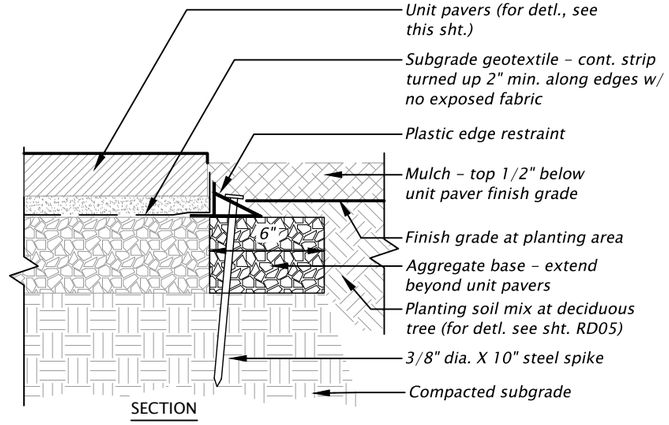
Note:
For information not shown, see COTG drg. no. RD720 & RD721.

CONCRETE SCORE JOINTS



Course A = 100% type 1
Course B = 80% type 1 / 20% type 2
Course C = 25% type 1 / 25% type 2 / 50% type 3

UNIT PAVERS



PAVER EDGE RESTRAINT

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WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

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STREETSCAPE SITE DETAILS

SHEET NO.
RD04

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD04
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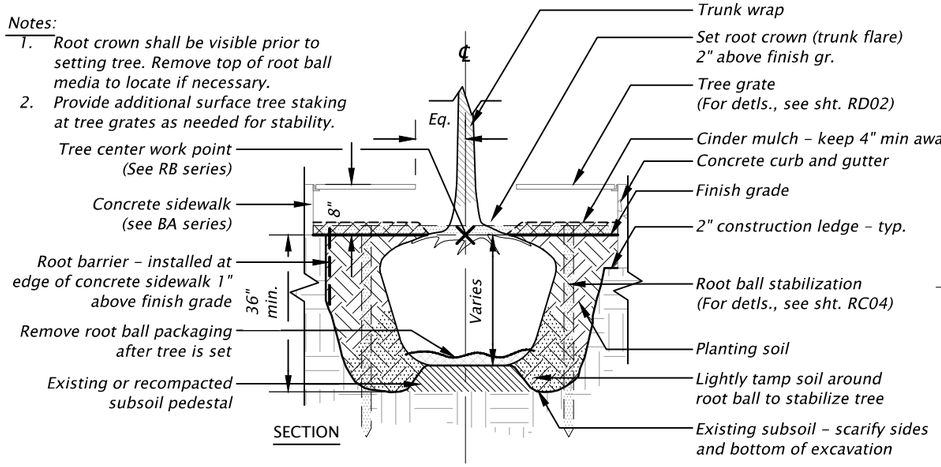
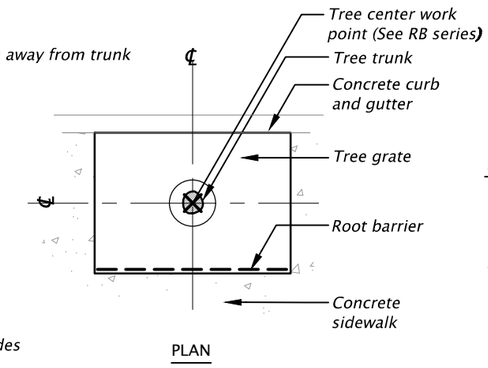
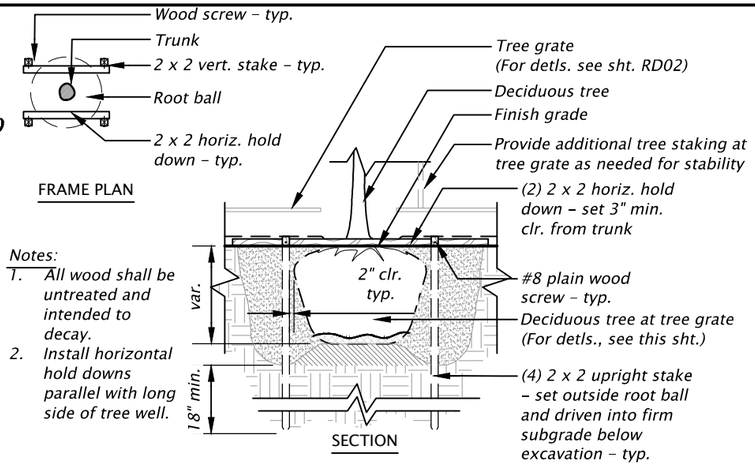
Notes:
1. Root crown shall be visible prior to setting tree. Remove top of root ball media to locate if necessary.
2. Provide additional surface tree staking at tree grates as needed for stability.





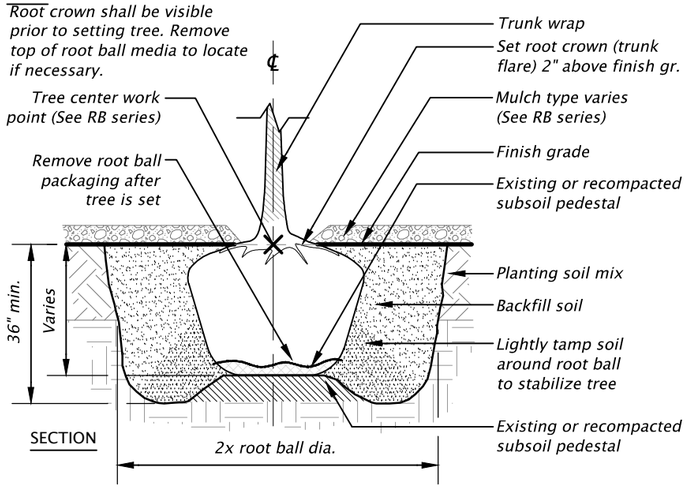
DECIDUOUS TREE AT TREE GRATE



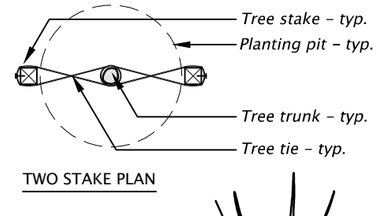
Notes:
1. All wood shall be untreated and intended to decay.
2. Install horizontal hold downs parallel with long side of tree well.

ROOT BALL STABILIZATION

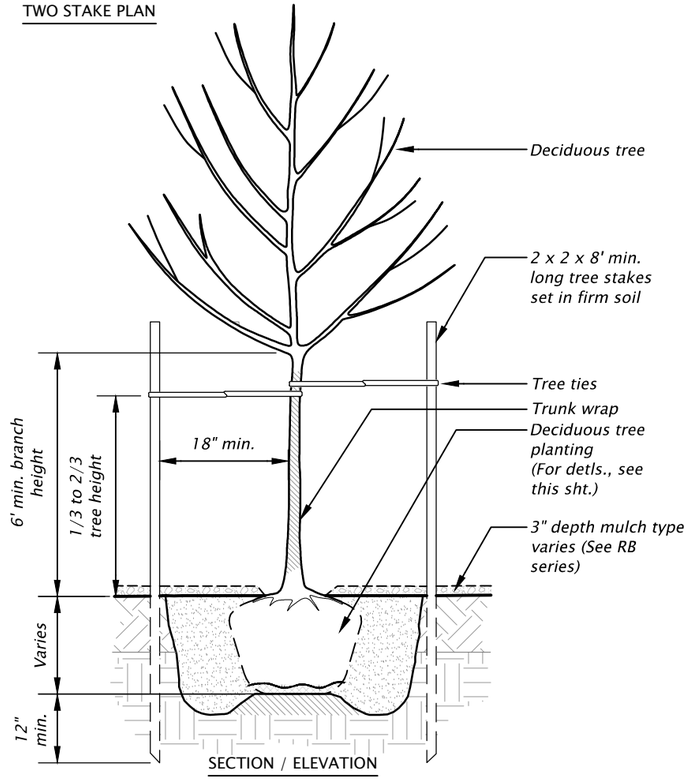
Note:
Root crown shall be visible prior to setting tree. Remove top of root ball media to locate if necessary.



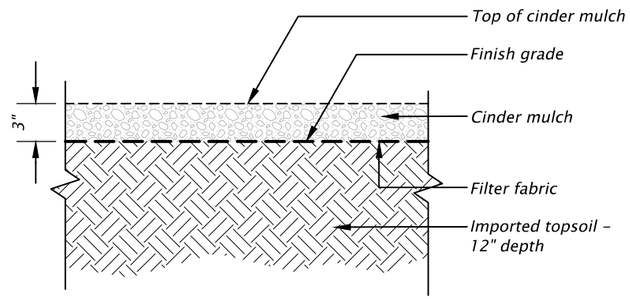
DECIDUOUS TREE PLANTING



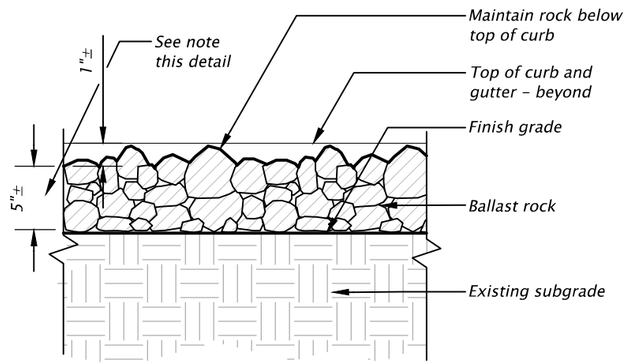
Note:
Tree stakes shall not interfere with tree branches.



DECIDUOUS TREE STAKING



CINDER MULCH



Note: Provide 3" depth in tree wells.

BALLAST MULCH

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

The Hub of the Pacific Northwest
CITY OF THE DALLES
OREGON

STREETSCAPE SITE DETAILS

SHEET NO.
RD05

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD05
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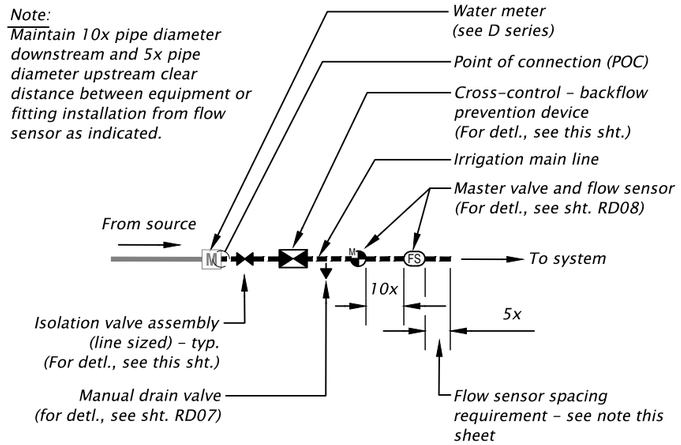
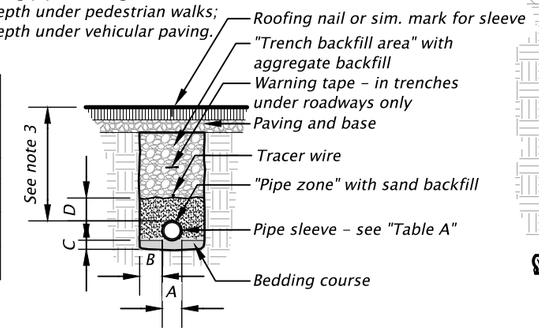


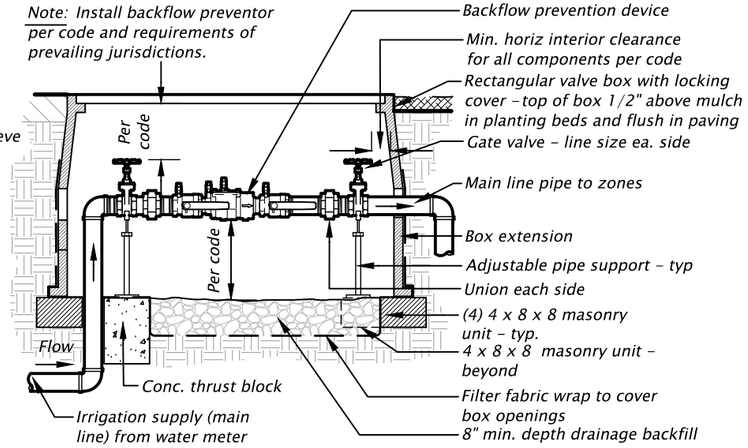
POINT OF CONNECTION

Notes:
1. Extend pipe sleeves 10" beyond each side of paving or structure.
2. Pipe sleeve diameter shall be a minimum of two times pipe diameter(s) it contains.
3. Provide the following pipe coverage:
   24" minimum depth under pedestrian walks;
   36" minimum depth under vehicular paving.

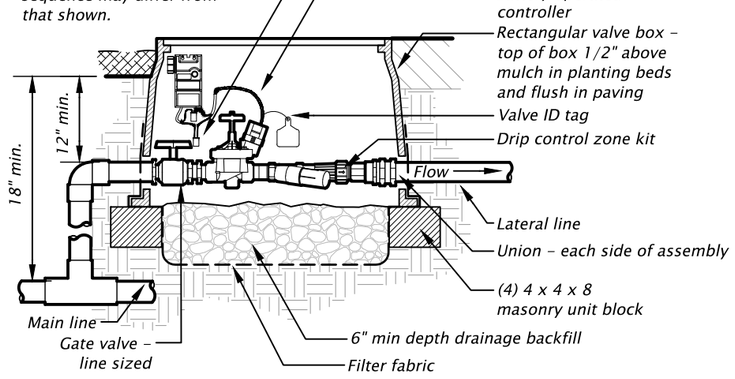
TABLE A			
A (NPS)	B	C	D
<4"	6"	4"	8"
4"	10"	4"	8"
6"	10"	4"	8"
8"	10"	6"	10"



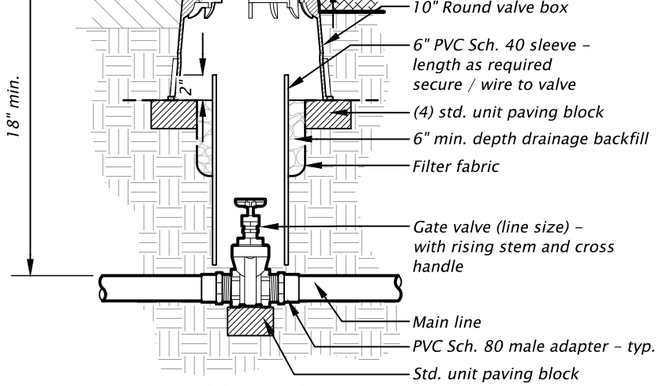
IRRIGATION PIPE SLEEVE



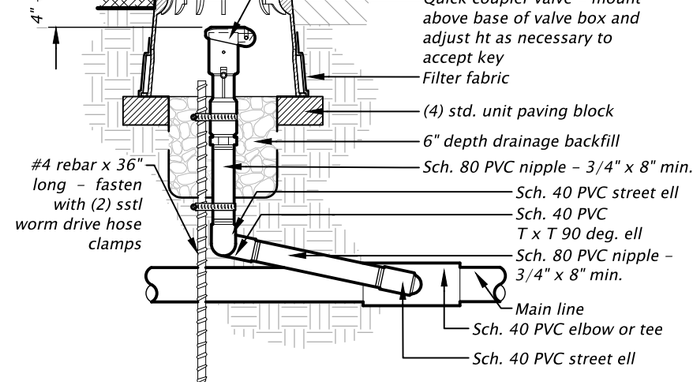
CROSS-CONTROL - BACKFLOW PREVENTION DEVICE



AUTOMATIC DRIP CONTROL VALVE (BATTERY OPERATED)



ISOLATION VALVE



QUICK COUPLING VALVE

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OREGON

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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Drafted By - W.S. / C.W.

IRRIGATION DETAILS

SHEET NO.
RD06

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD06
Plotted: 10/13/25 at 3:02pm By: wess
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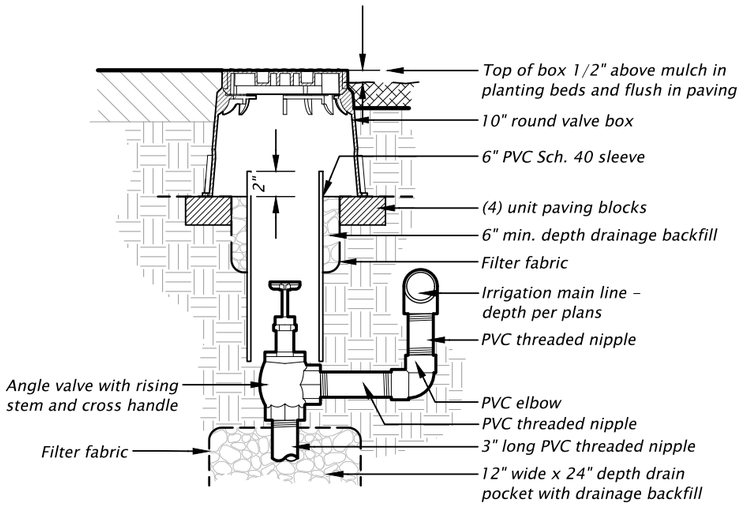
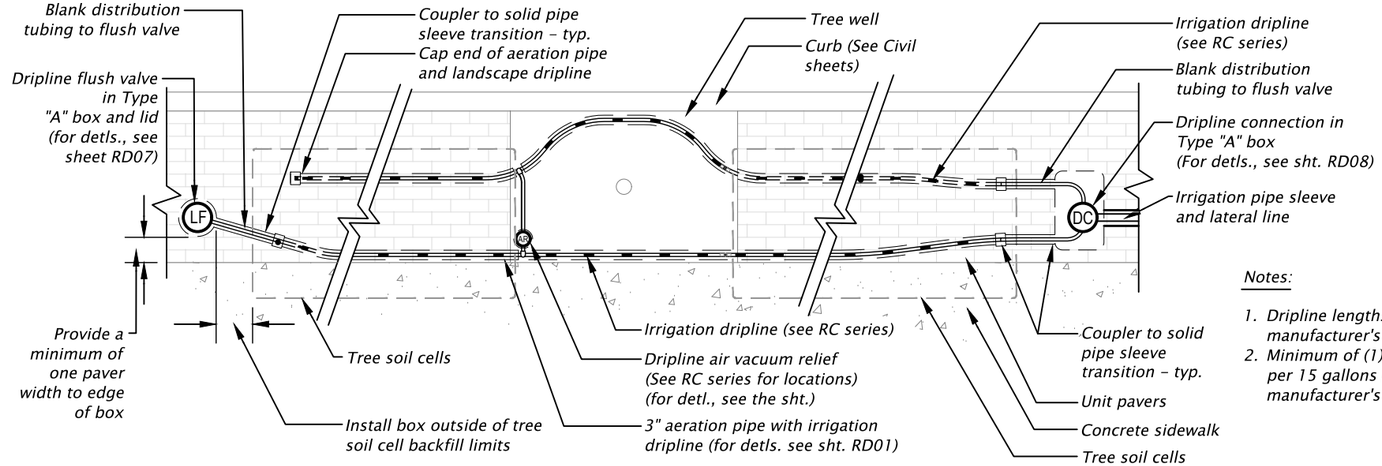


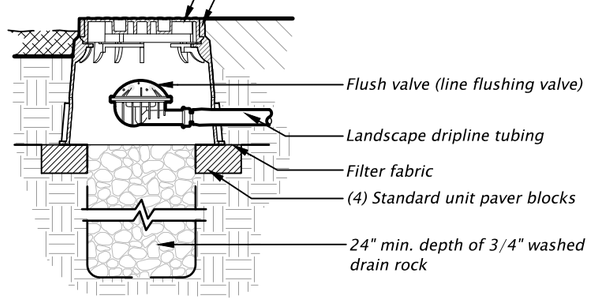
MANUAL DRAIN VALVE



Notes:

1. Dripline lengths shall not exceed manufacturer's recommended maximum.
2. Minimum of (1) dripline flushing valve per 15 gallons per minute - refer to manufacturer's recommendation.

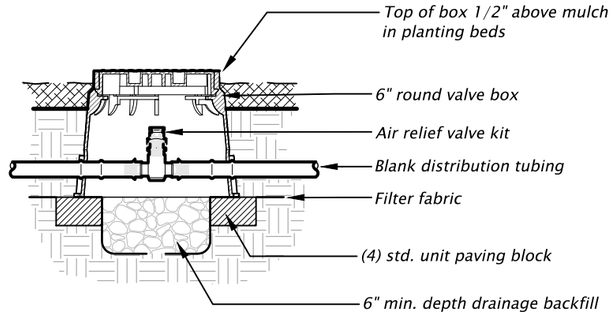
SUBSURFACE LANDSCAPE DRIPLINE



DRIPLINE FLUSH VALVE

Notes:

1. Air relief valve to be installed at highest point from control zone kit - verify on site.
2. Multiple air relief valves may be needed to accommodate differences in grade - verify on site.



DRIPLINE AIR VACUUM RELIEF

DRIPLINE AROUND TREE

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Email: info@greenworkspc.com

The Hub of the Pacific Northwest
CITY of THE DALLES
OREGON

THE DALLES FIRST STREET PROJECT
UNION STREET TO MADISION STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - W.S.
Drafted By - W.S. / C.W.

IRRIGATION DETAILS

SHEET NO.
RD07

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD07
Plotted: 10/13/25 at 3:02pm By: wess
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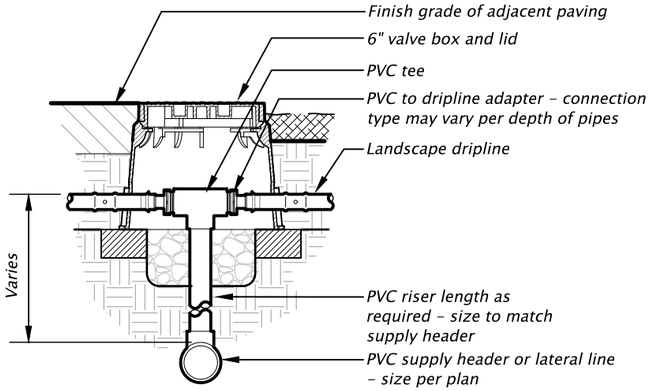
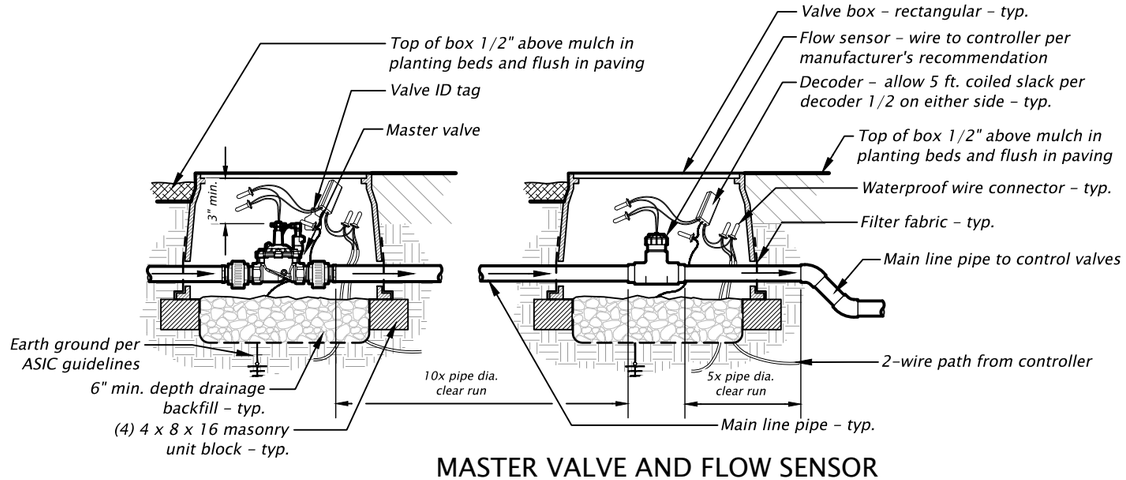
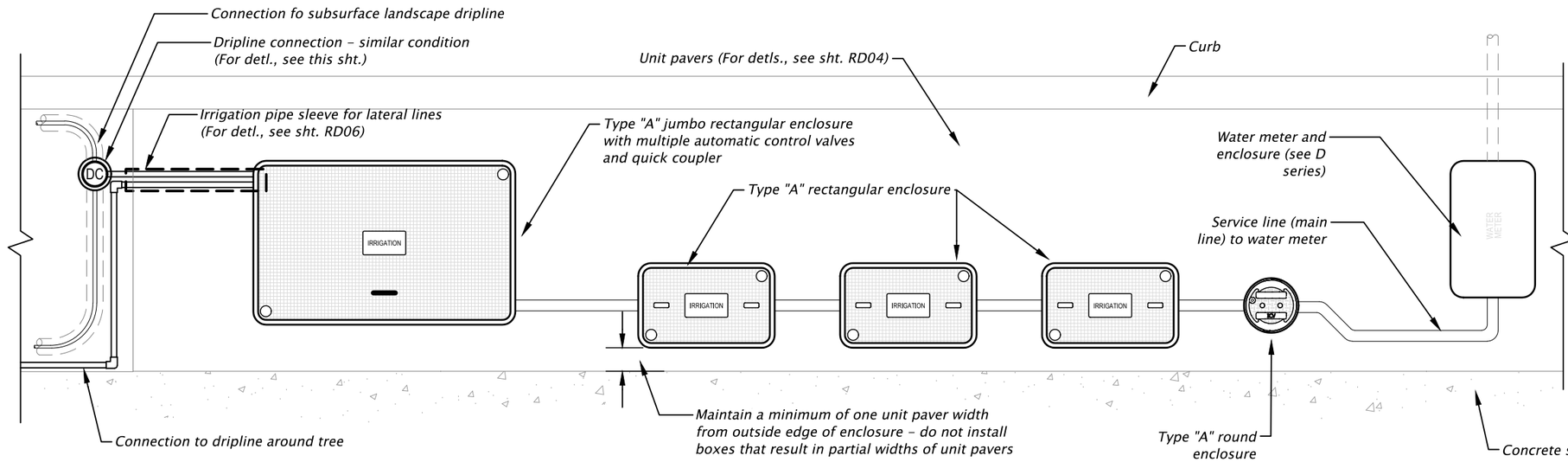


DRIPLINE CONNECTION



MASTER VALVE AND FLOW SENSOR

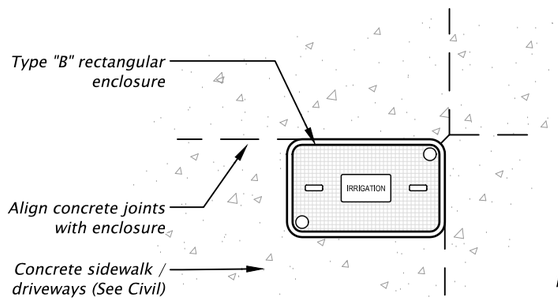
Notes:
1. Main line pipe shall not change size or direction closer than 10 pipe diameters upstream or 5 pipe diameters downstream of the flow sensor
2. Use 45 degree ells to achieve mainline depth on the downstream side of the flow sensor



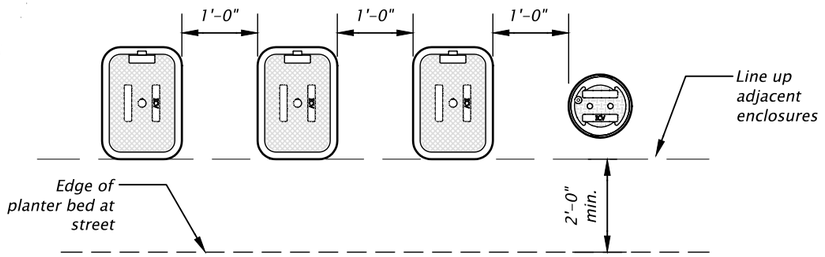
UNIT PAVER PLACEMENT PLAN

Notes:
1. Enclosures (valve boxes) depicted are generally shown. Actual size and number may vary depending on availability of enclosures to use and equipment stored within them.

2. Enclosure Types:
A = Steel lid (Tier 15 min.) and polymer concrete box
B = Concrete / poly conc. lid and box (Tier 15 min.)
C = Plastic lid and box



CONCRETE PLACEMENT PLAN



PLANTING AREA PLACEMENT PLAN

IRRIGATION ENCLOSURE TYPICAL LAYOUT

REGISTERED
242
F. Michael Faha
F. Michael Faha
OREGON
10/31/1988
EXP. 10/31/2025
LANDSCAPE ARCHITECT

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IRRIGATION DETAILS

SHEET NO.
RD08

File: G:\Projects\230065.1_The_Dalles_First_Street\02_Production\01_CAD\01_Plot_Sheets\230065_DETL.dwg TAB:RD08
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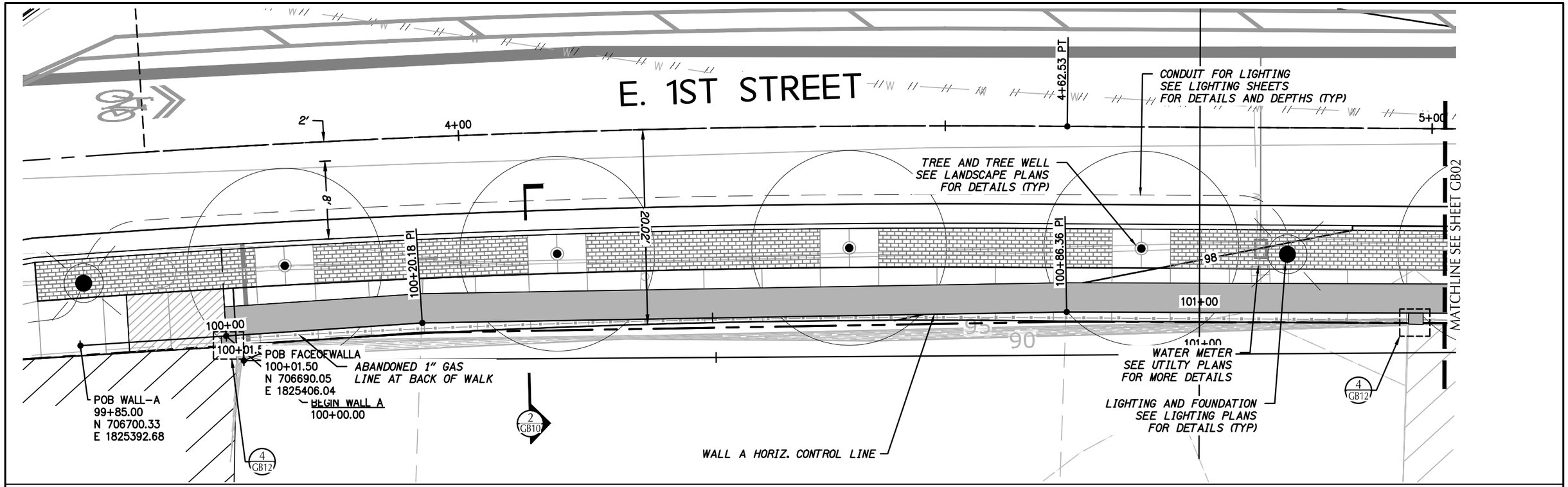
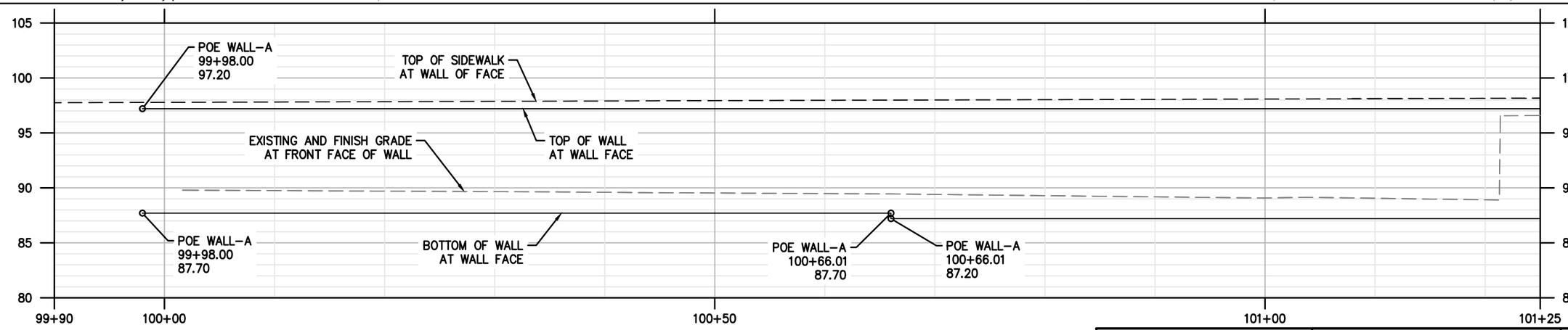
XREFs: 7286xtb-11X17 01040_TREE_GRATE_B_01 01040_TREE_GRATE_B_02 01095_ORN_FENCE_TYPE_01 01095_ORN_FENCE_TYPE_02 00760_UNIT_PAVERS_01 01040_TREE_ROOT_STABL 01040_TREE_DECID_01 00815_BOLLARD_01 01040_CINDER_MULCH_01 00000_CONC_WALK_01 01040_BALLAST_MULCH_01 01040_TREE_SOIL_CELLS_01 01120_RCV_DRIP_01 01120_ISO_VALVE_01 01120_GC_VALVE_01 01120_DRIPLINE_TREE_01 01120_TRENCH_SLEEVE_01 01120_DRIPLINE_FV_01 01120_DRIPLINE_AV_01 01120_DRIPLINE_LAYT_01 01120_PDC_01 01120_BFD_01 01095_BIKE_RACK_01 01095_TRASH_01 01120_DV_01 01120_DRIPLINE_CONNECTION 01120_FLOW_SENSOR_01 01120_VALVE_BOX_LAYT_01





WALL-A PROFILE

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

REGISTERED PROFESSIONAL ENGINEER
86882PE
OREGON
Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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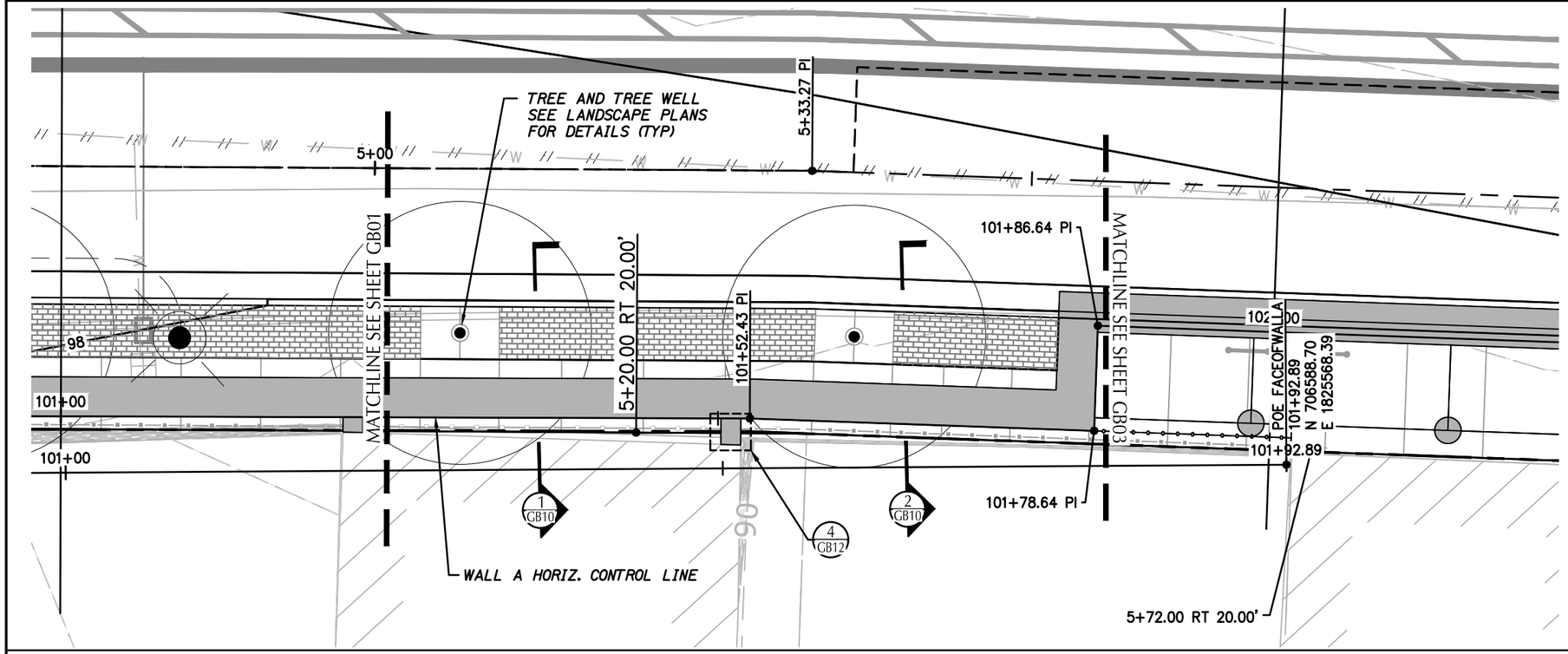
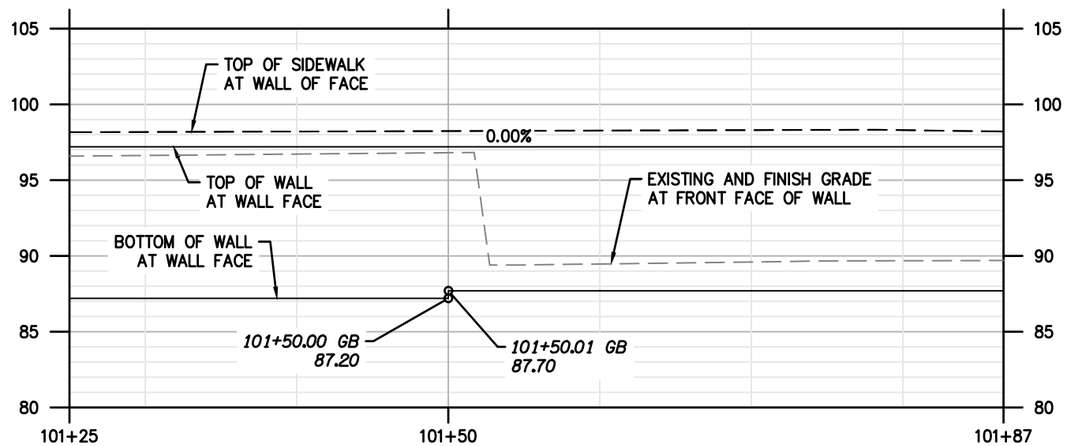
Drafted By - R.C.

WALL A PLAN AND PROFILE

SHEET NO.
GB01

File: \\vlpdata1\Civil_Projects\p\p2007\307286_The_Dalles\CAD\PLOT\7286_CB_WALLPROFILE.dwg TAB:GB01





WALL-A PROFILE

SCALE: HORIZ: 1" = 10'
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REGISTERED PROFESSIONAL ENGINEER
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WASCO COUNTY

Design Team Leader - P.C.
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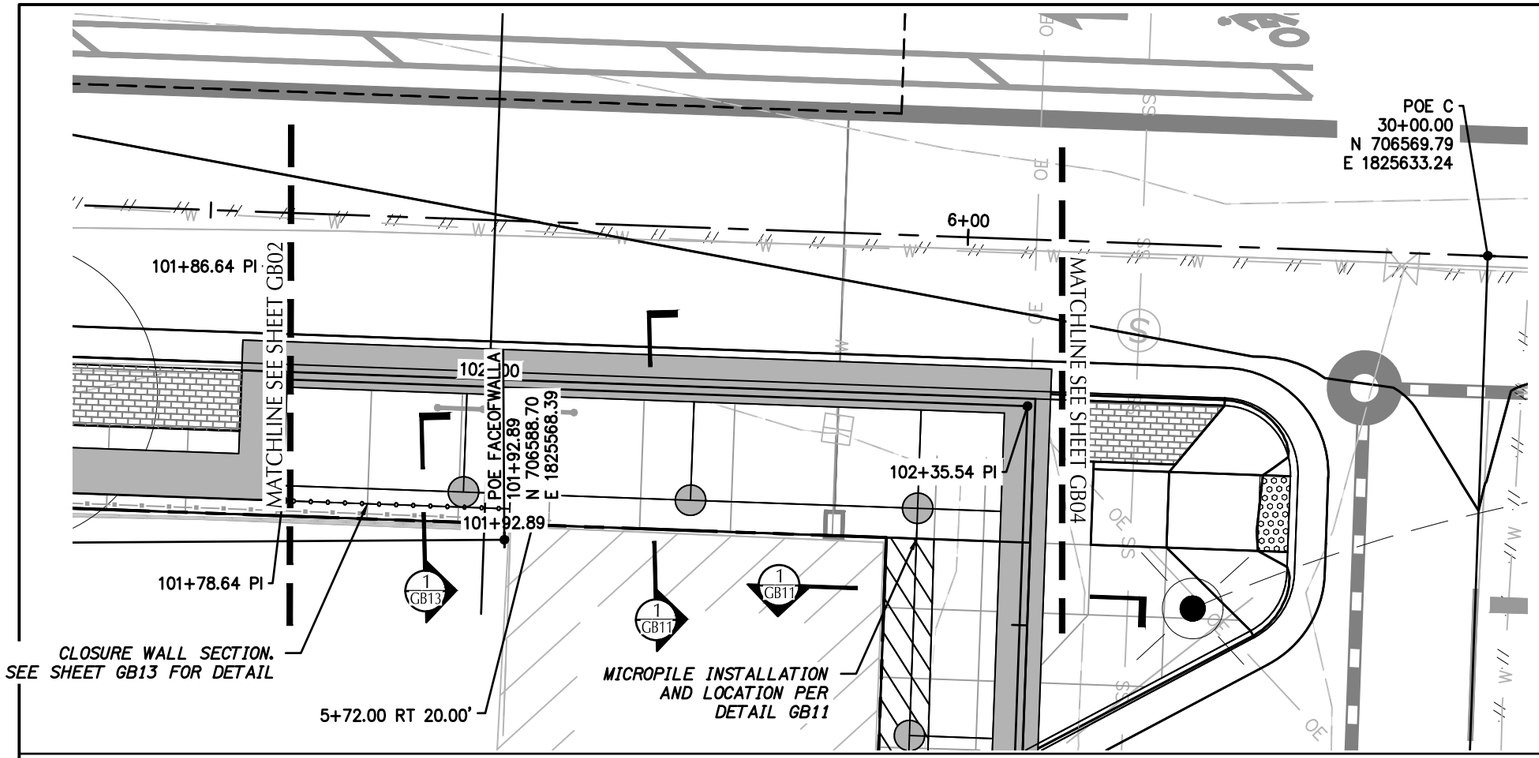
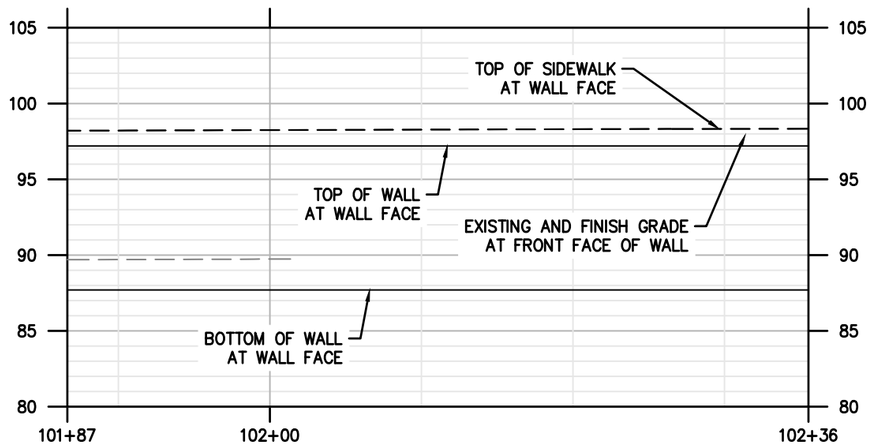
Drafted By - R.C.

WALL A PLAN AND PROFILE

SHEET NO. GB02

File: \\pkdnas1\Civil_Projects\plp\2007\307286_The Dalles\CAD\PLOT\7286_GB_WALLPROFILE.dwg, TAB:GB02





WALL-A PROFILE

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

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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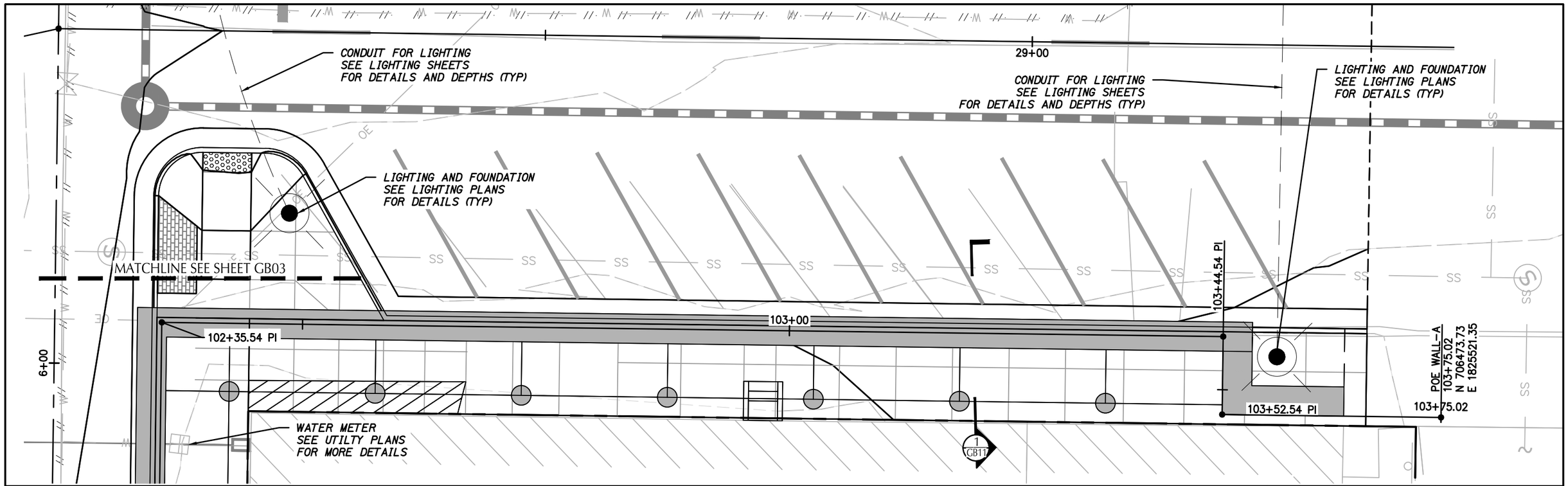
Drafted By - R.C.

WALL A PLAN AND PROFILE

SHEET NO.
GB03

File: \\pdxprod1\Civil_Projects\proj\2007\307286_The_Dalles\CAD\PLOT\7286_GB_WALLPROFILE.dwg TAB:GB03



WALL-A PROFILE

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

REGISTERED PROFESSIONAL ENGINEER
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WASCO COUNTY

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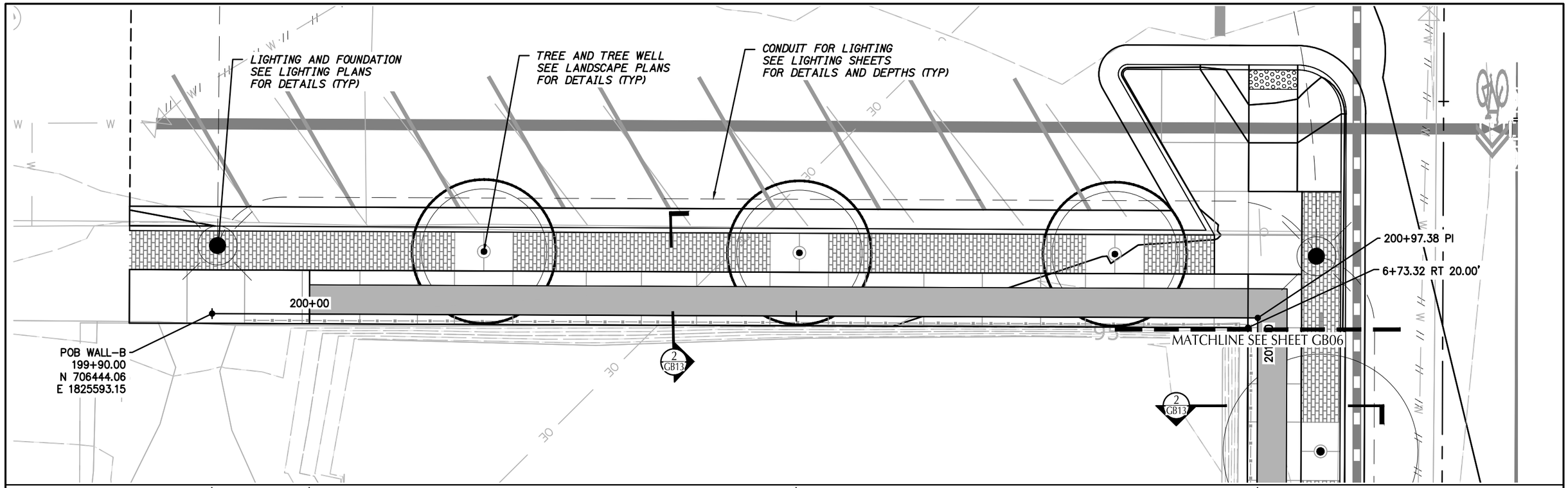
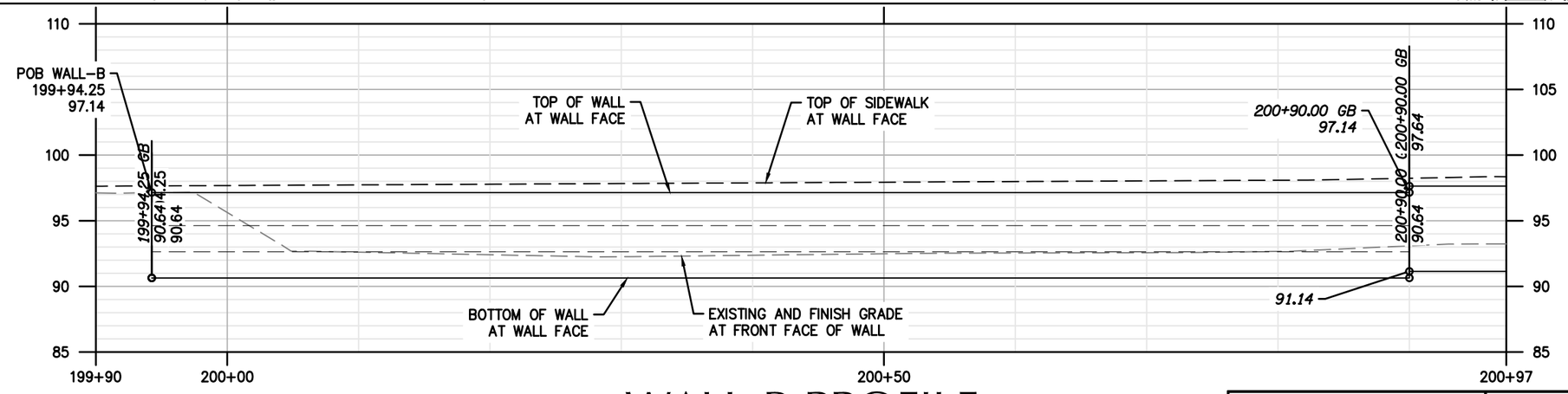
Drafted By - R.C.

WALL A PLAN AND PROFILE

SHEET NO.
GB04

Files: \\shidata1\Civil_Projects\o\2007\307286_The Dalles\CAD\PLOT\7286_GB_WALLPROFILE.dwg TAB: GB04





WALL-B PROFILE

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

REGISTERED PROFESSIONAL ENGINEER
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Dec. 27, 2012
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EXPIRATION DATE: 12/31/2025

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Drafted By - R.C.

WALL B PLAN AND PROFILE

SHEET NO. GB05

File: \\civilpdx1\Civil-Projects\c\p\2007\307286-The Dalles\CAD\PLOT\7286-GB-WALLPROFILE.dwg TAB:GB05
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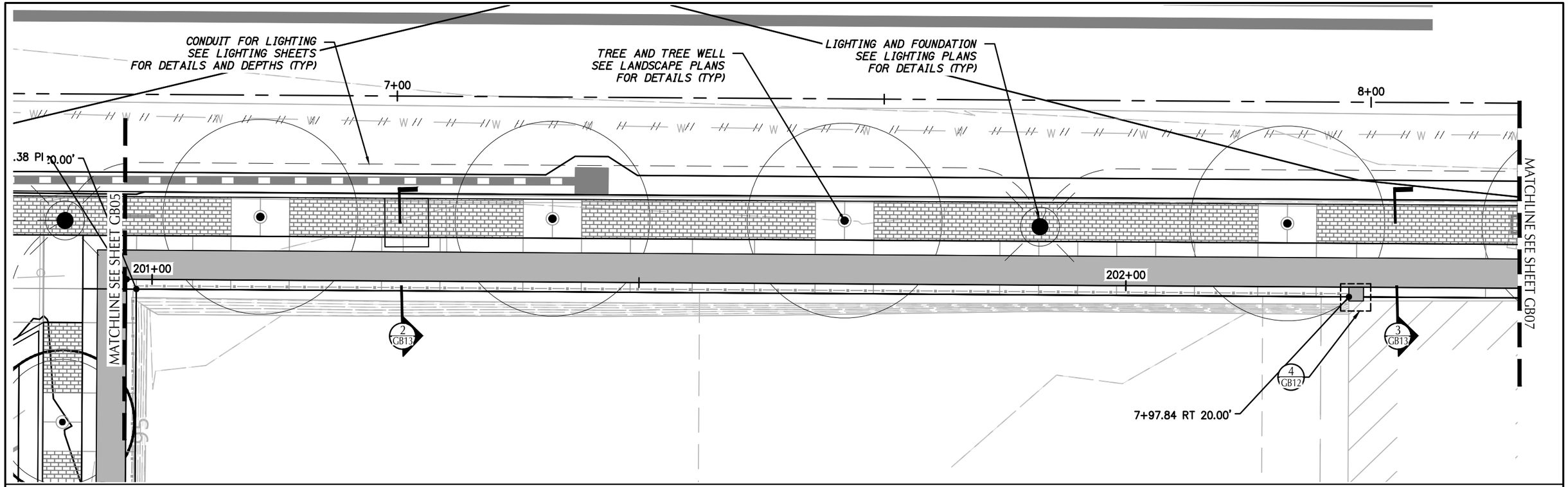

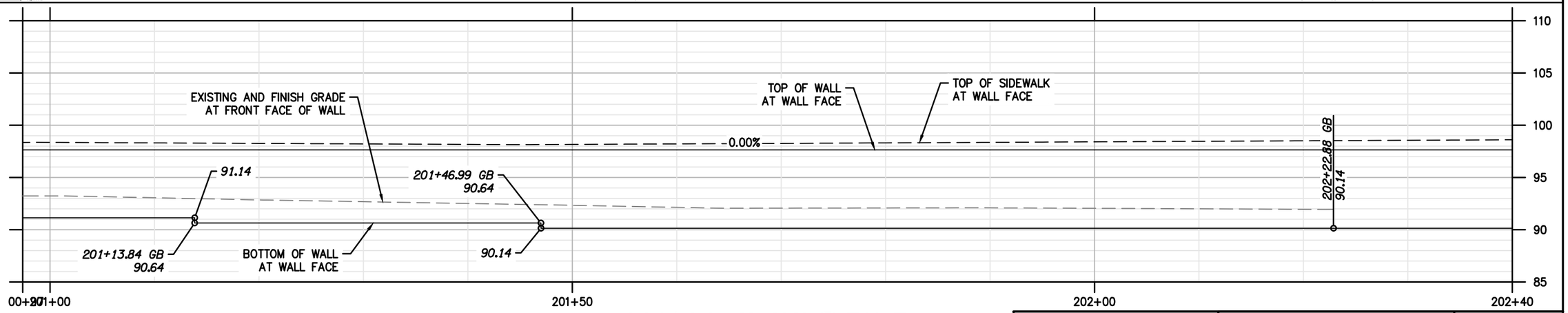

WALL-B PROFILE

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

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EXPIRATION DATE: 12/31/2025

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
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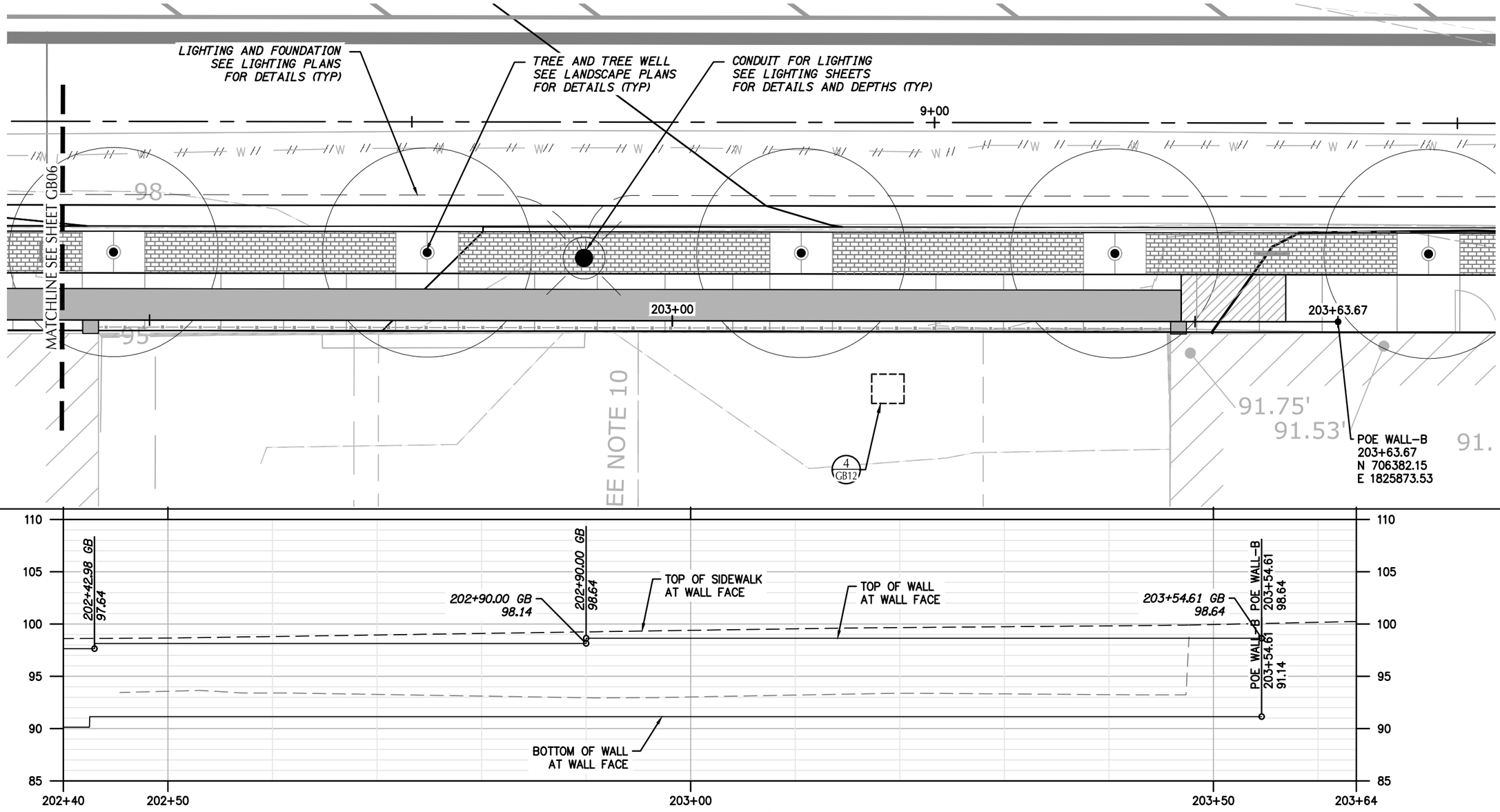
Drafted By - R.C.

WALL B PLAN AND PROFILE

SHEET NO.
GB06

File: \\vigindc1\Civil_Projects\proj\2007\307286_The_Dalles\CAD\PLOT\7286_GB_WALLPROFILE.dwg TAB:GB06



WALL-B PROFILE

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

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86882PE
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Dec. 27, 2012
PETER S. CRAIG
EXPIRATION DATE: 12/31/2025

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WASCO COUNTY

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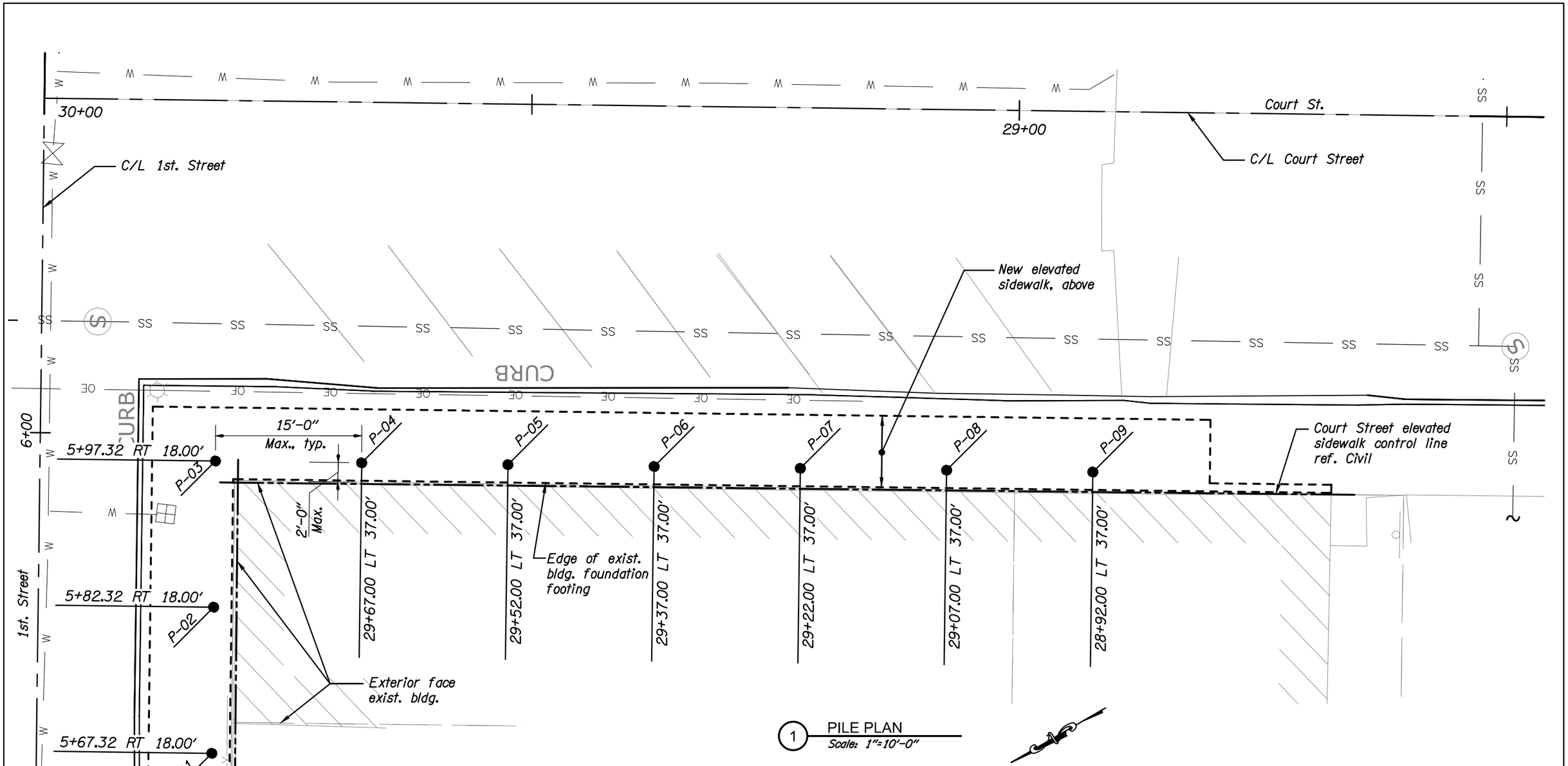
Drafted By - R.C.

WALL B PLAN AND PROFILE

SHEET NO.
GB07

File: \\shidata1\Civil_Projects\p\p2007\307286_The_Dalles\CAD\PLOT\7286_GB_WALLPROFILE.dwg, TAB: GB07



1 PILE PLAN
Scale: 1"=10'-0"

Plan Notes:

1. P-XX — *Indicates micropile locaction and micropile number. Ref. GB15 for micropile details.*
2. *All piles to be vertical.*
3. *Refer to specification section 00515 for additional micropile information and requirements.*

STRUCTURAL
REGISTERED PROFESSIONAL ENGINEER
19608
DIGITALLY SIGNED
OREGON
NOV. 14, 2000
CRAIG J. TOTTEN
EXPIRES 06/30/2026

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

Designed By - I.M.
Drafted By - A.D.

PILE PLAN

SHEET NO.
GB08

10/13/2025

File: K:\KPFF Other Offices\Civil – Portland_1010\10102300069 – The Dalles First Street Improvements\Drafting\10102300069_GB08.dwg TAB:GB08
Plotted: 10/13/25 at 2:40pm By: anthony
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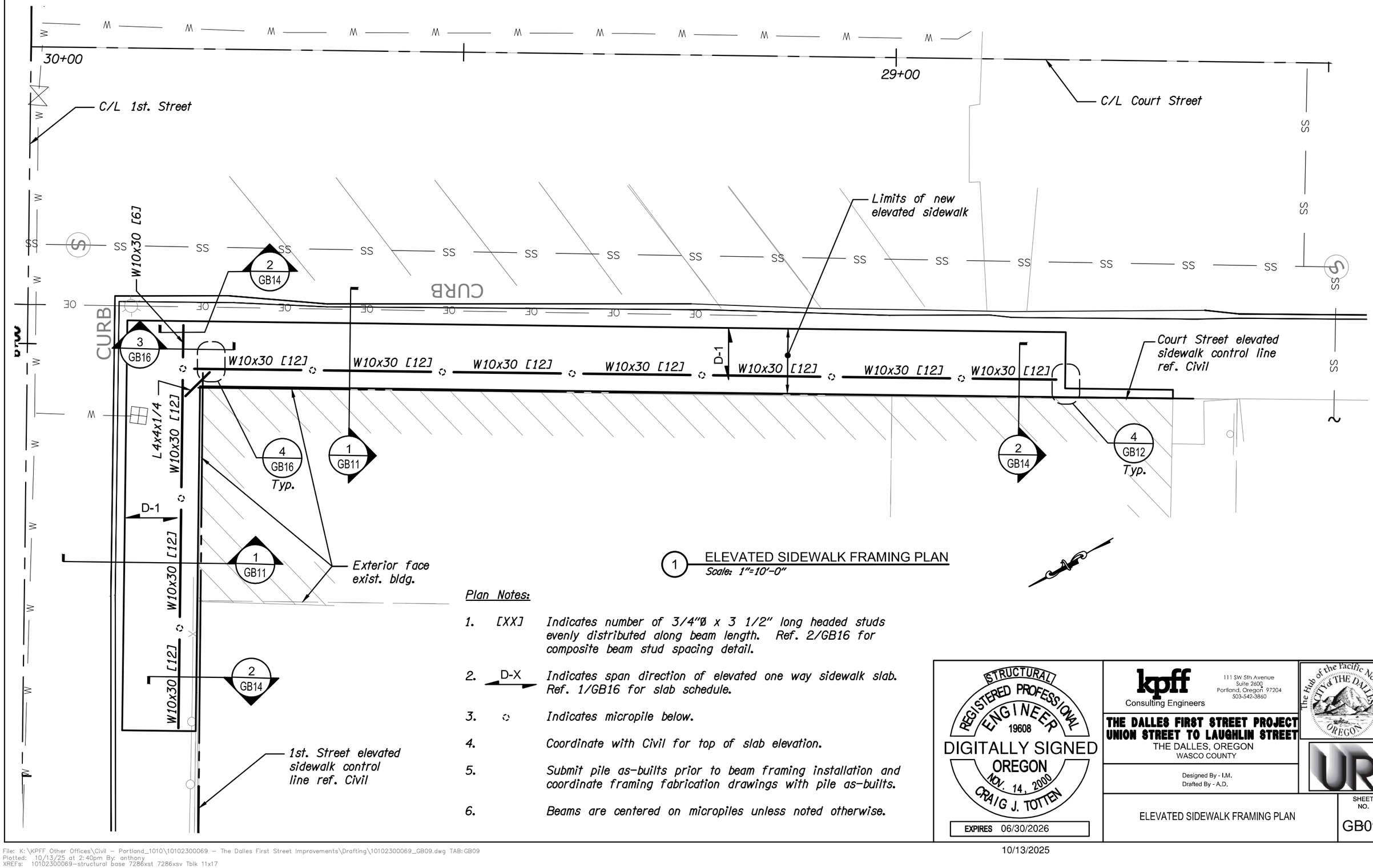

1 ELEVATED SIDEWALK FRAMING PLAN

Scale: 1"=10'-0"

Plan Notes:

1. [XX] *Indicates number of 3/4"Ø x 3 1/2" long headed studs evenly distributed along beam length. Ref. 2/GB16 for composite beam stud spacing detail.*
2. D-X *Indicates span direction of elevated one way sidewalk slab. Ref. 1/GB16 for slab schedule.*
3. *Indicates micropile below.*
4. *Coordinate with Civil for top of slab elevation.*
5. *Submit pile as-builts prior to beam framing installation and coordinate framing fabrication drawings with pile as-builts.*
6. *Beams are centered on micropiles unless noted otherwise.*

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2000 CRAIG J. TOTTEN

EXPIRES 06/30/2026

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

Designed By - I.M.
Drafted By - A.D.

ELEVATED SIDEWALK FRAMING PLAN

SHEET NO. GB09

10/13/2025

File: K:\KPFF Other Offices\Civil – Portland_1010\10102300069 – The Dalles First Street Improvements\Drafting\10102300069_GB09.dwg TAB:GB09
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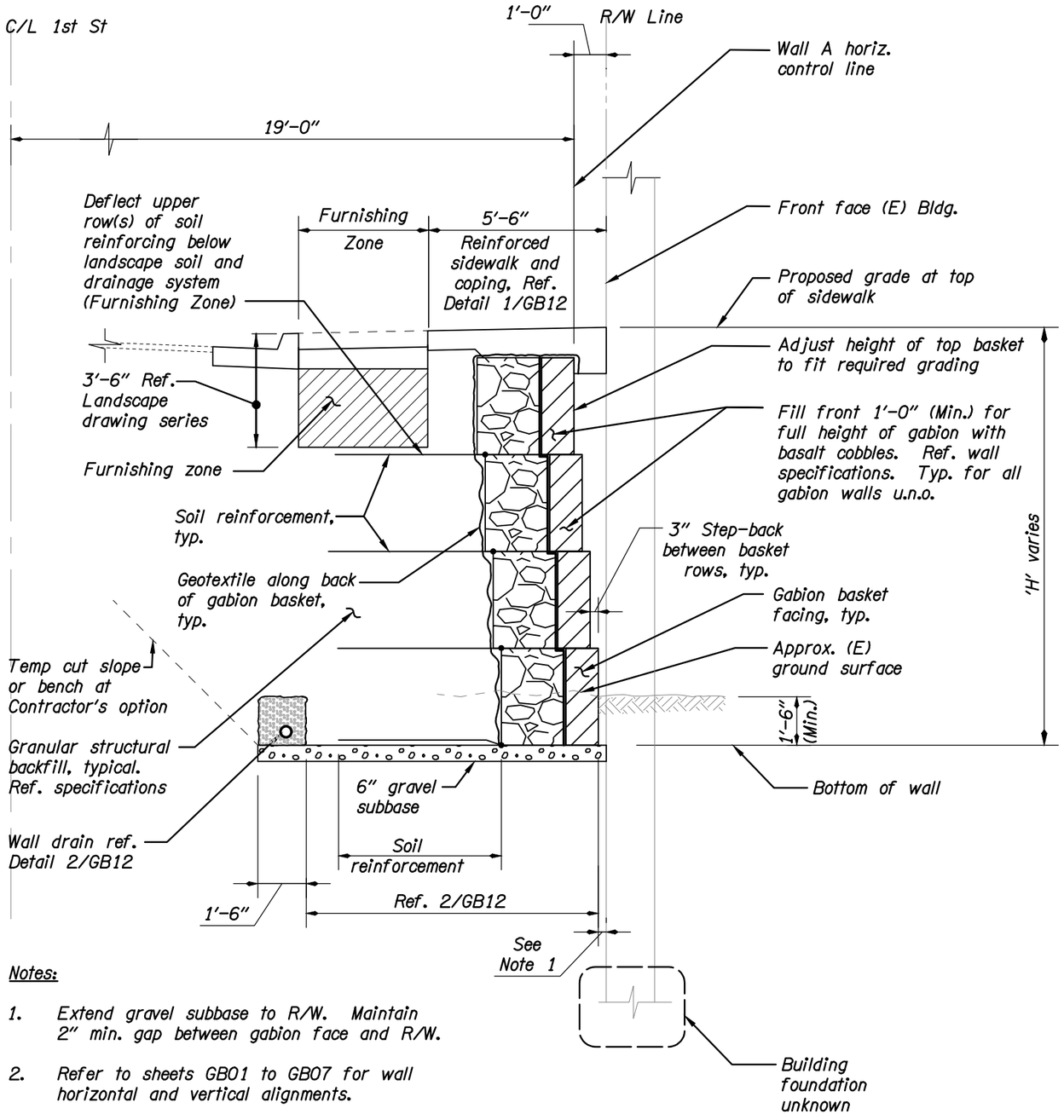
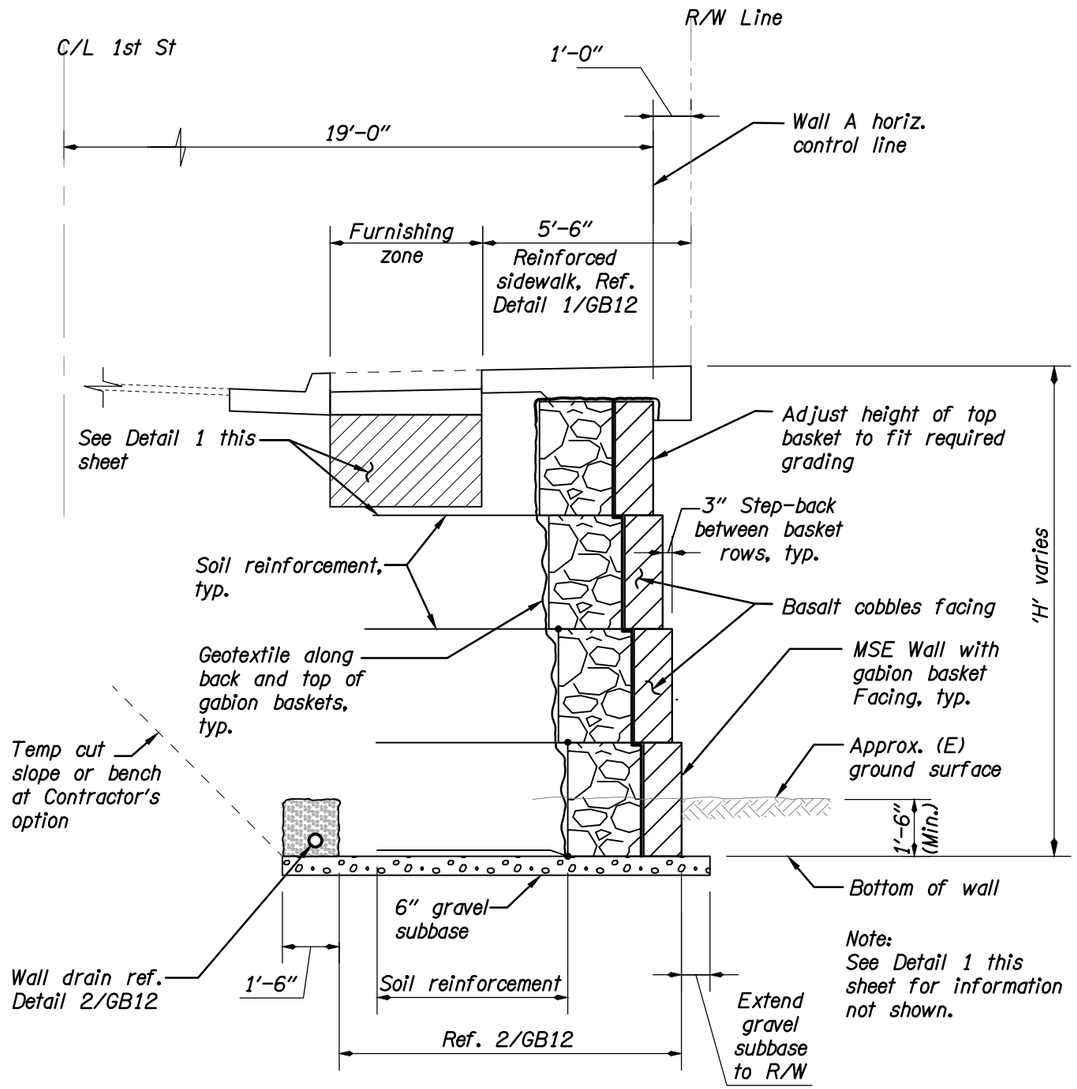
BST 10 No. : 101023000069



1 TYPICAL WALL A SECTION AT BUILDING
Scale: 1/4"=1'-0"



2 TYPICAL WALL A SECTION NOT AT BUILDING
Scale: 1/4"=1'-0"

Notes:

1. *Extend gravel subbase to R/W. Maintain 2" min. gap between gabion face and R/W.*
2. *Refer to sheets GB01 to GB07 for wall horizontal and vertical alignments.*

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2000 CRAIG J. TOTTEN
EXPIRES 06/30/2026

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The Hub of the Pacific Northwest CITY OF THE DALLES OREGON

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WASCO COUNTY

Designed By - I.M.
Drafted By - A.D.

RETAINING WALL SECTIONS

SHEET NO.
GB10

10/13/2025

File: K:\KPFF Other Offices\Civil – Portland_1010\10102300069 – The Dalles First Street Improvements\Drafting\10102300069_GB10.dwg TAB:GB10
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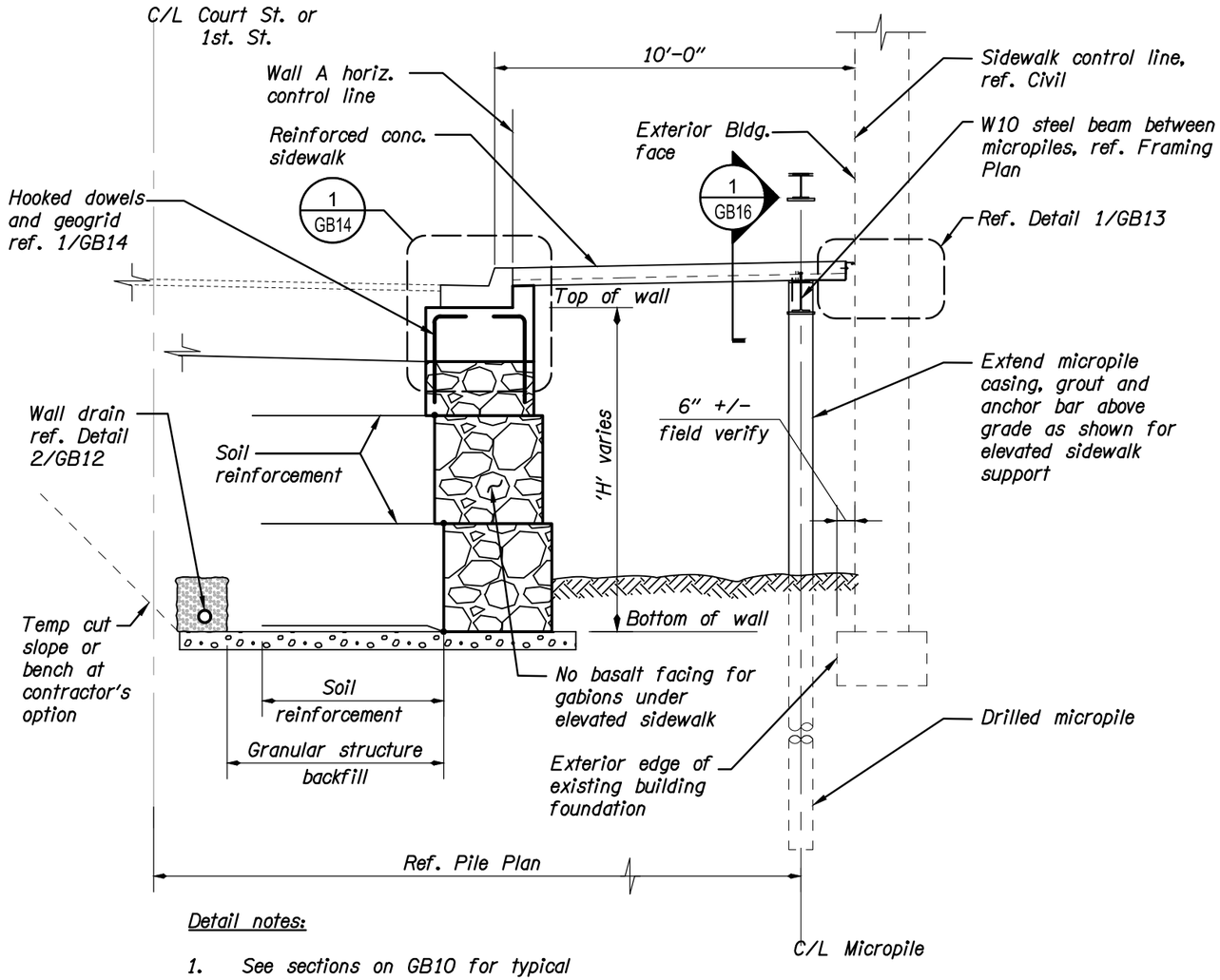
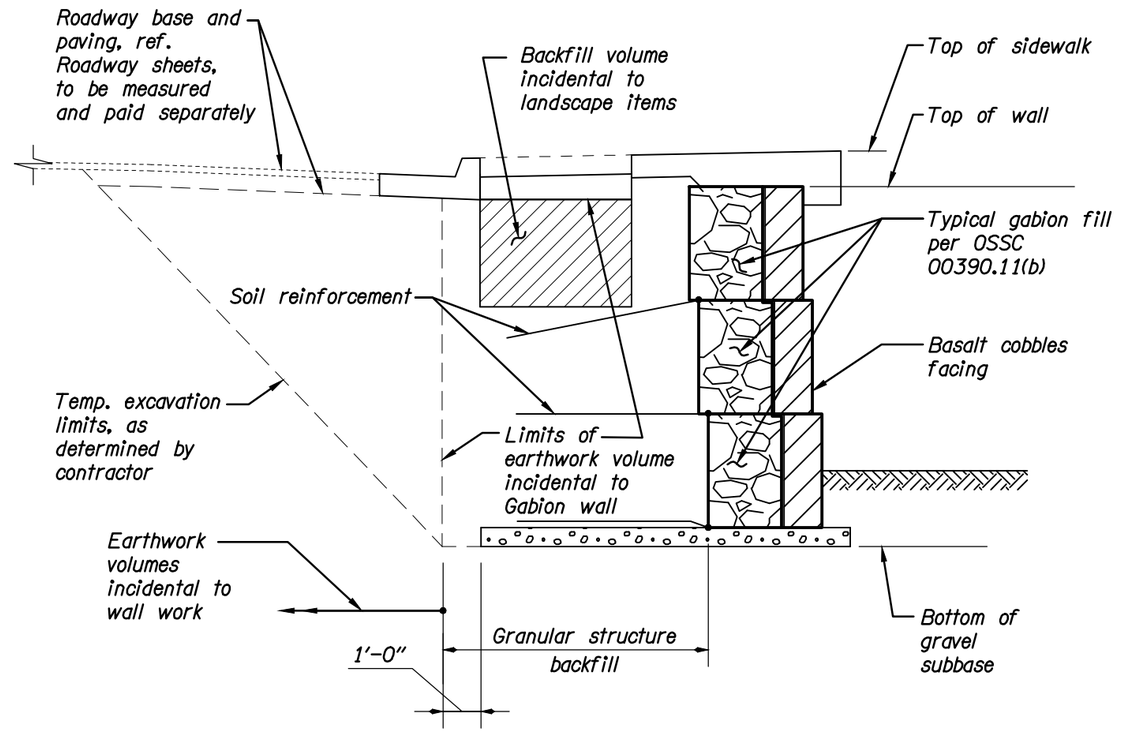
XREFs: Tblk 11x17
BST 10 No. : 101023000069



Detail notes:

1. See sections on GB10 for typical details not shown here.

1 WALL A SECTION AT 205 COURT ST. BLDG.
Scale: 1/4"=1'-0"



2 TYPICAL EXCAVATION AND BACKFILL QUANTITIES AND MATERIAL INCIDENTAL TO WALL PAY AREA
Scale: 1/4"=1'-0"

STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608
DIGITALLY SIGNED
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NOV. 14, 2000
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WASCO COUNTY

Designed By - I.M.
Drafted By - A.D.

RETAINING WALL SECTIONS

SHEET NO.
GB11

10/13/2025

File: K:\KPFF Other Offices\Civil – Portland_1010\10102300069 – The Dalles First Street Improvements\Drafting\10102300069_GB11.dwg TAB:GB11
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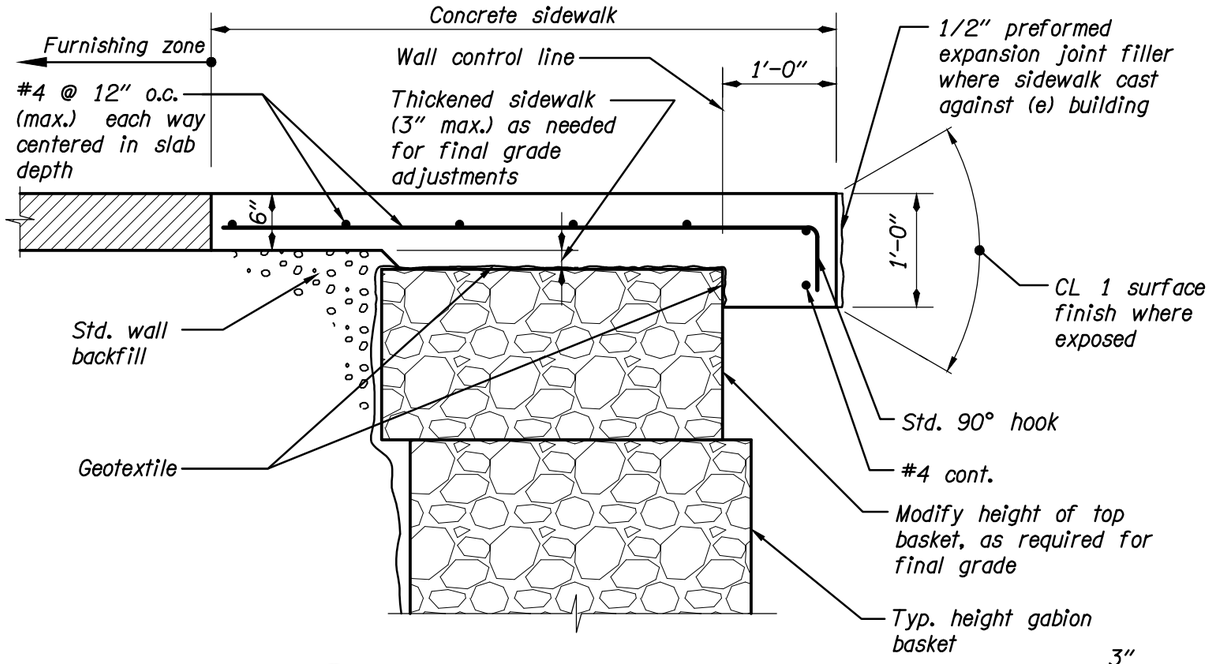
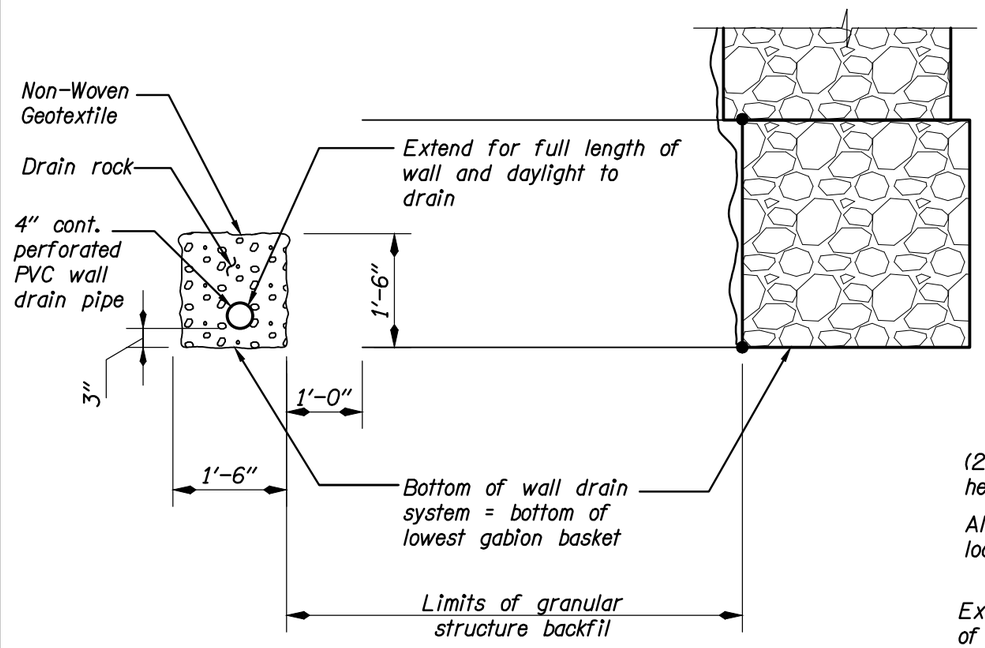
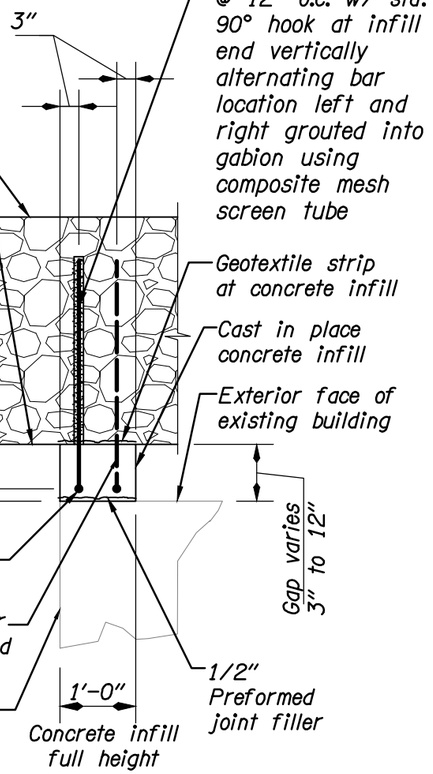


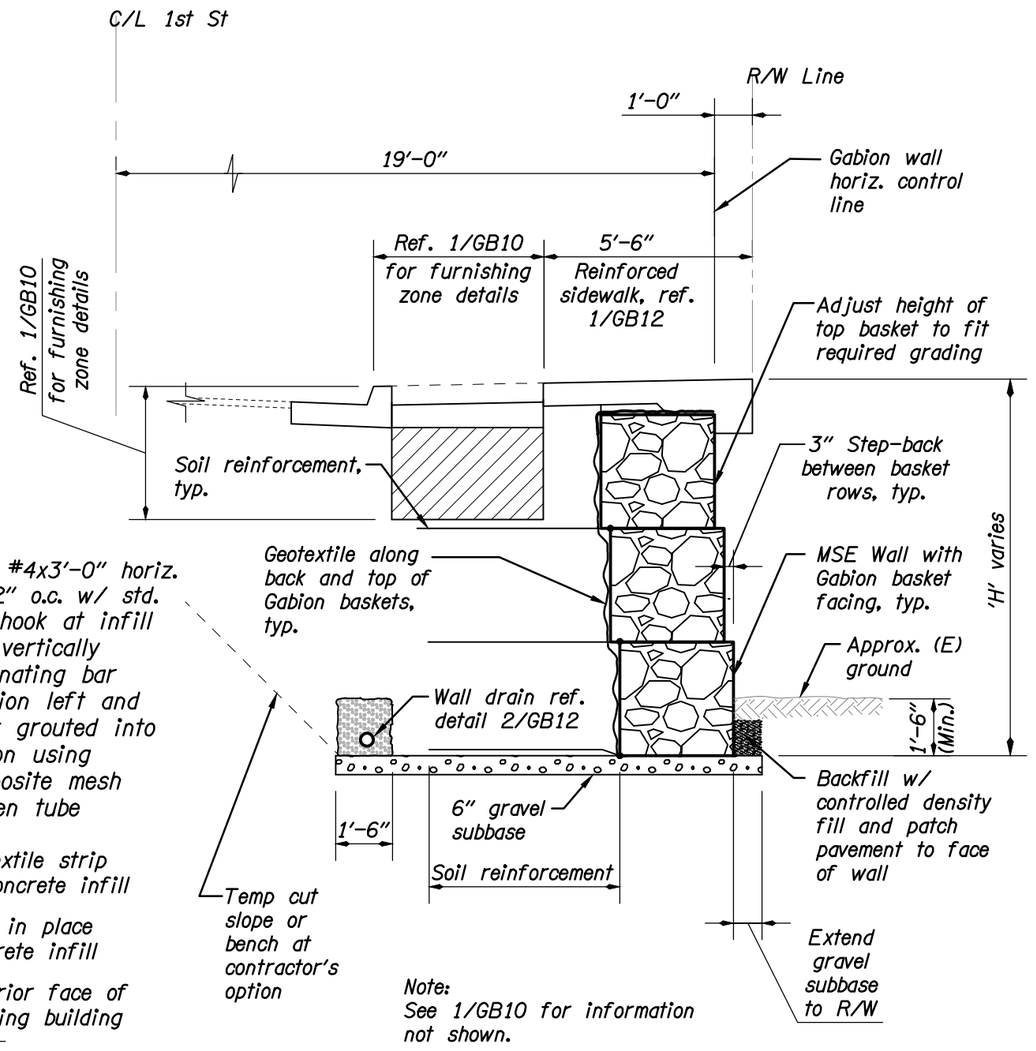
1 REINFORCED SIDEWALK AND COPING DETAIL
Scale: 3/4"=1'-0"



2 WALL DRAIN DETAIL
Scale: 1/2"=1'-0"



4 CONCRETE IN-FILL AT BUILDING
Scale: 1/2"=1'-0"



3 TYPICAL WALL B SECTION
Scale: 1/4"=1'-0"

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OREGON
NOV. 14, 2000
CRAIG J. TOTTEN
EXPIRES 06/30/2026

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503-542-3860

THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Designed By - I.M.
Drafted By - A.D.

RETAINING WALL SECTIONS

SHEET NO.
GB12

10/13/2025

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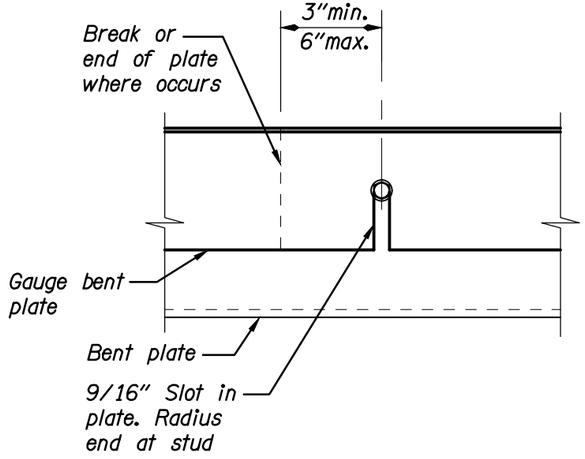
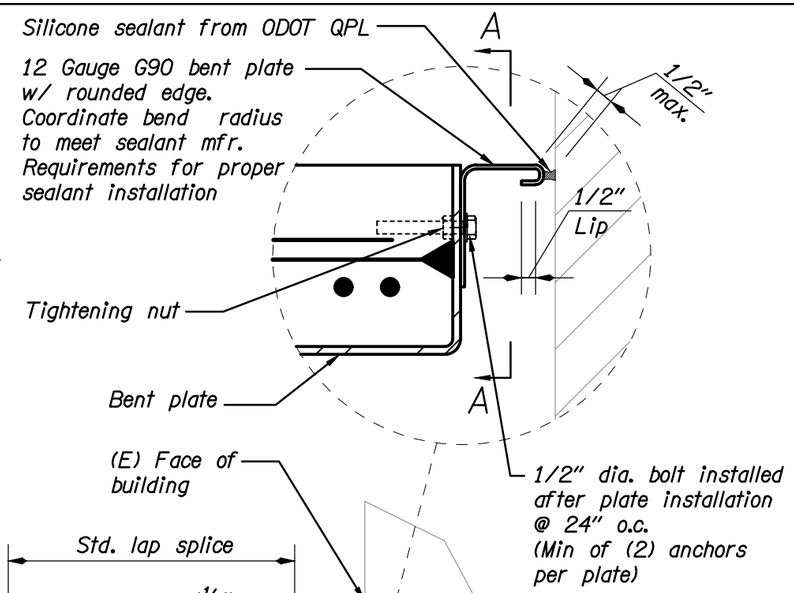
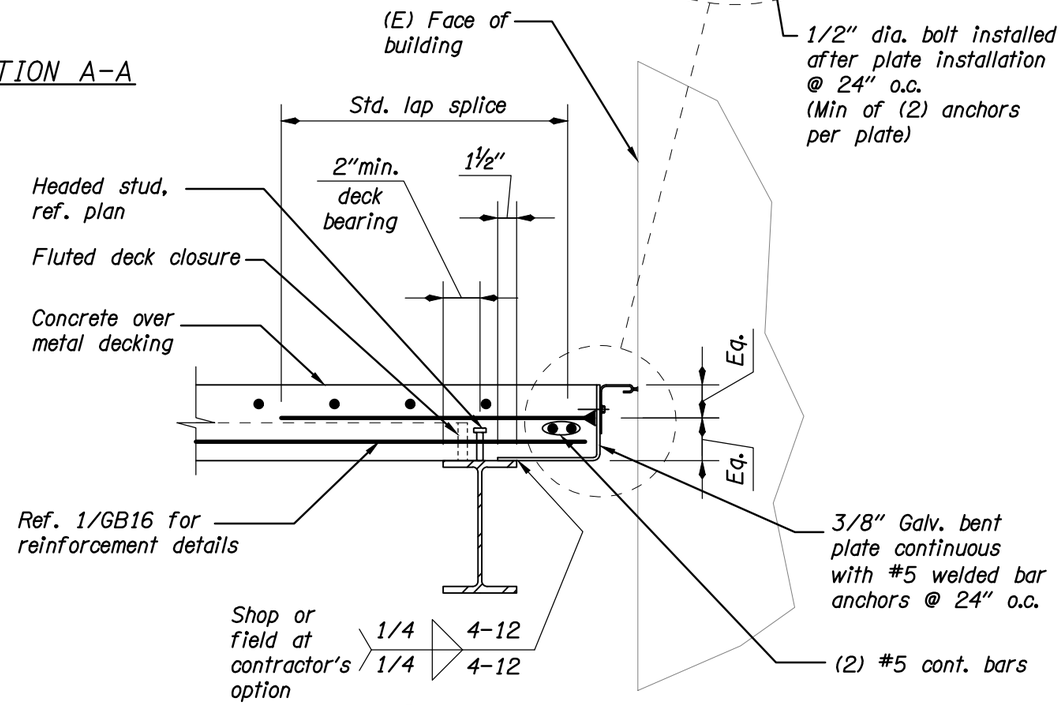


SECTION A-A





1 END OF SIDEWALK DETAIL

Scale: 1"=1'-0"

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WASCO COUNTY

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ELEVATED SIDEWALK DETAILS

SHEET NO.
GB13

10/13/2025

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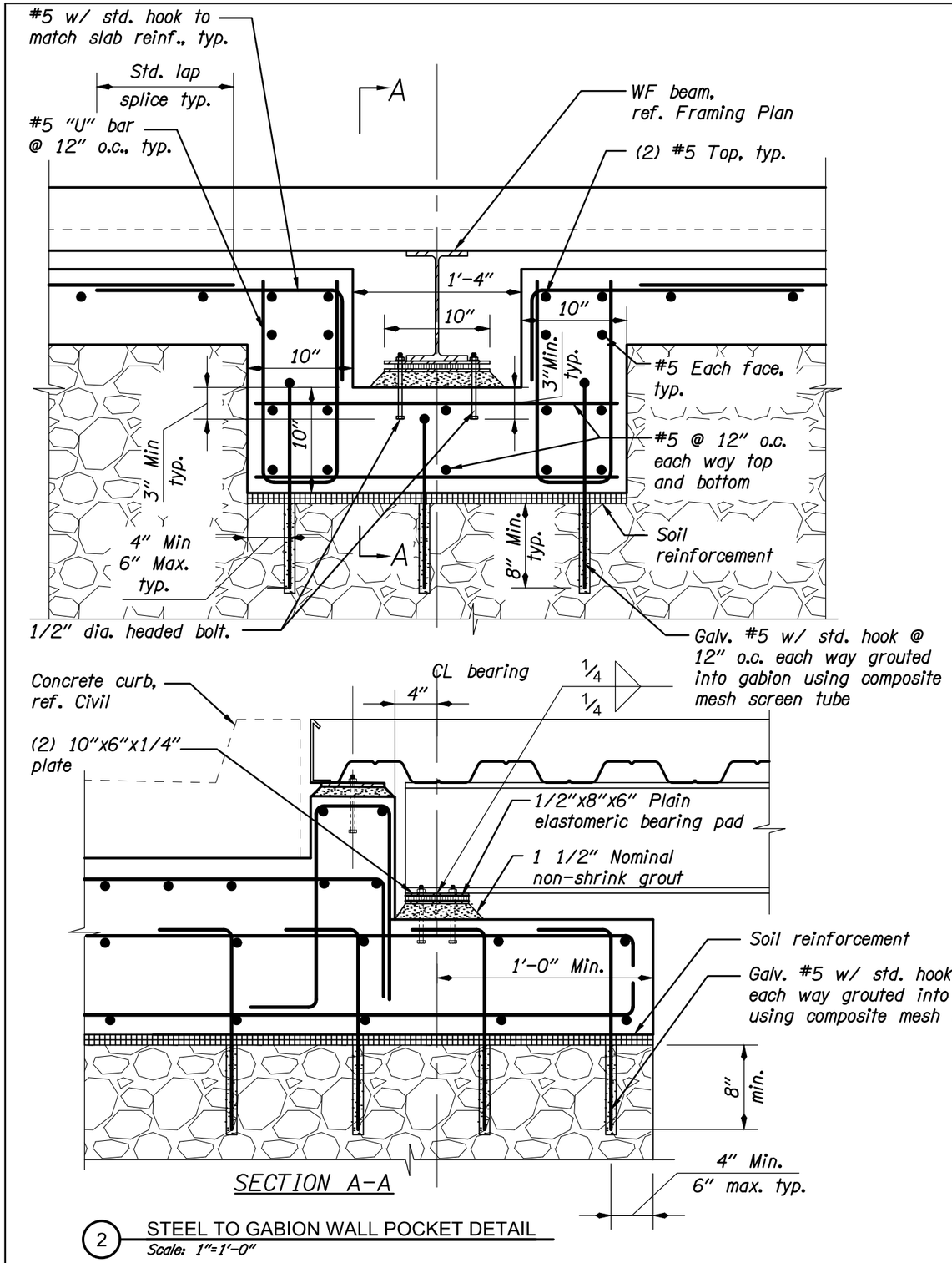
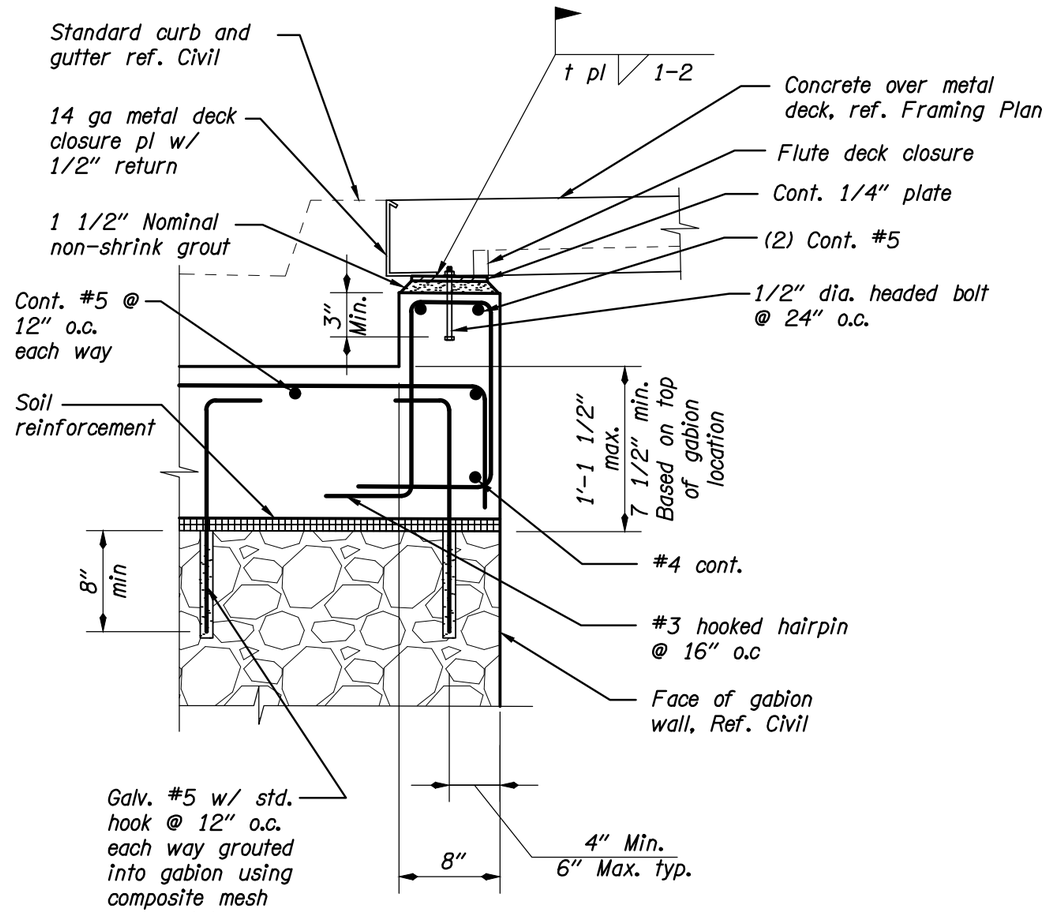


SECTION A-A

2 STEEL TO GABION WALL POCKET DETAIL
Scale: 1"=1'-0"



1 DECK TO GABION WALL DETAIL
Scale: 1"=1'-0"

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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Designed By - I.M.
Drafted By - A.D.

ELEVATED SIDEWALK DETAILS

SHEET NO.
GB14

10/13/2025

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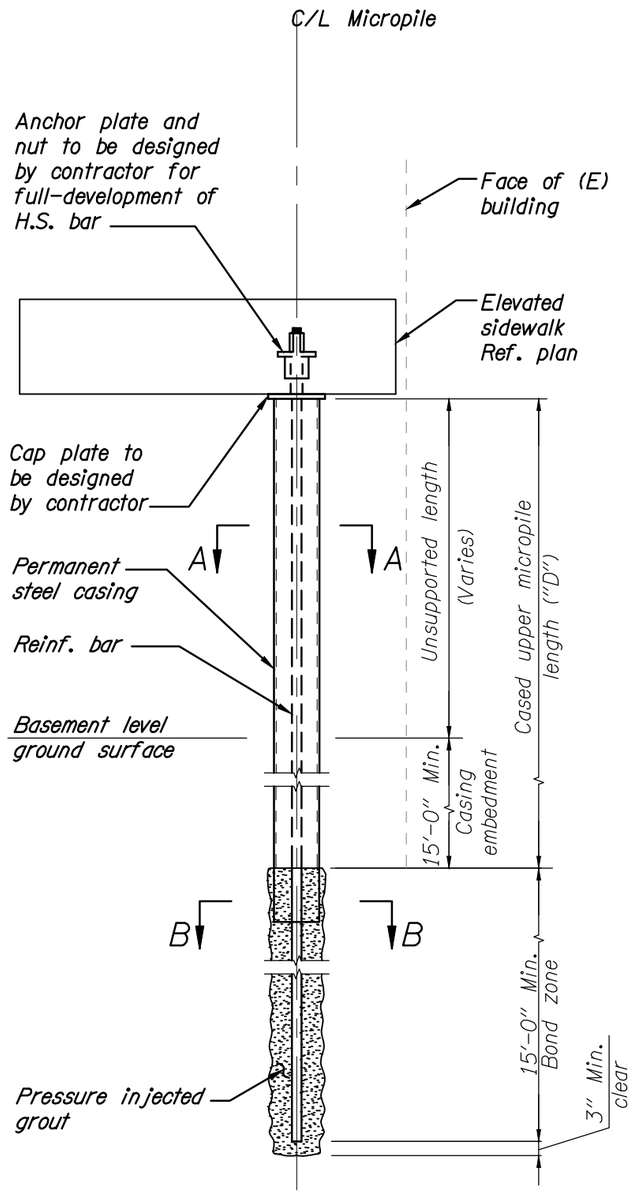


Detail notes:
1. Reference geotechnical report for soil information.
2. See micropile data table for dimensions and other information.

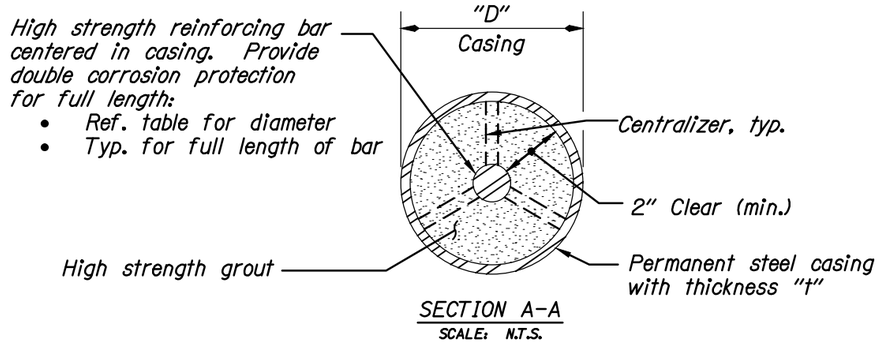
TYPICAL MICROPILE DETAIL
Scale: N.T.S.

MICROPILE DATA TABLE

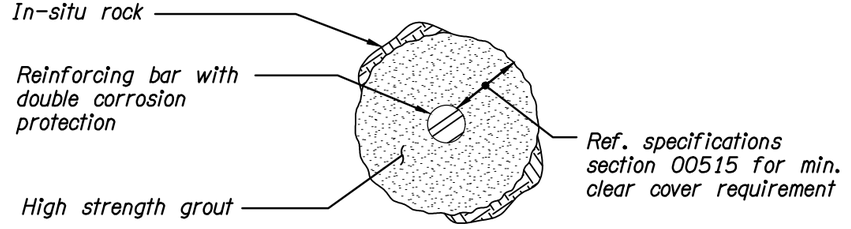
			Factored design load (FDL)		Permanent casing			Reinforcing bar	Bond zone
Location	Micropile No.	Type	Compression (Kips)	Lateral (Kips)	Min. diameter "D_{casing}" (Inches)	Min. thickness "t" (Inches)	Cased Upper Micropile Length"d" (Feet)	Diameter "D_{reinf}" (Inches)	Min. length (Feet)
Ref. plan	01 Thru 09	Plumb	38.9	4.1	7⅝"	0.500	27	2 ¼"	15

Ø (Resistance factor)	
Loading condition	Limit state: Extreme (Earthquake)
Compression	1.0
Lateral	0.75

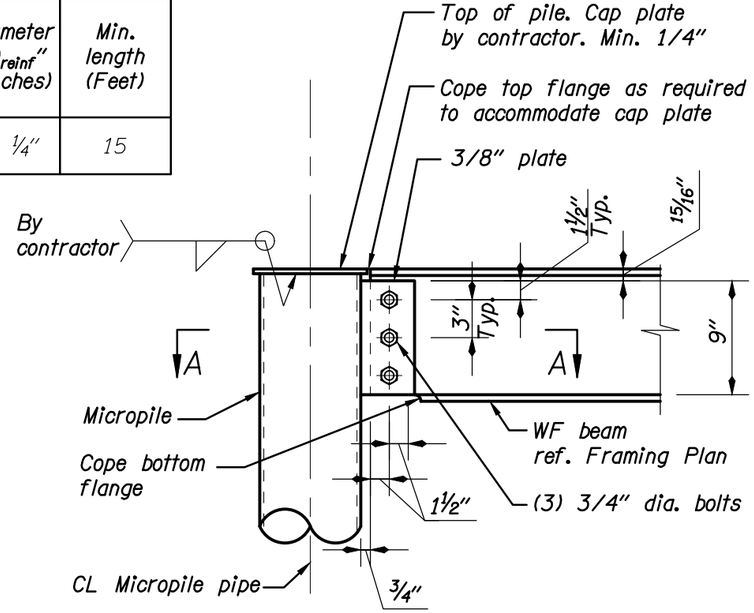
NOTES:
1. Nominal micropile load = fdl / Ø
   fdl = factored design load
   Ø = resistance factor
2. Micropile system to be designed by the contractor according to the specifications and minimum design loads and minimum dimensions shown on this sheet.
3. Refer to the geotechnical report for soil information.
4. Permanent fdl is provided in the data table. contractor shall design micropile system to sustain (higher) temporary loads from proof and verification tests and any contractor means and methods, as required.
5. Basis of design for minimum casing design dimensions is grade 80 steel casing.
6. Basis of design for reinforcing bar is grade 150 (fy = 120 ksi) bar and for tension testing up to 1.00 x fdl.

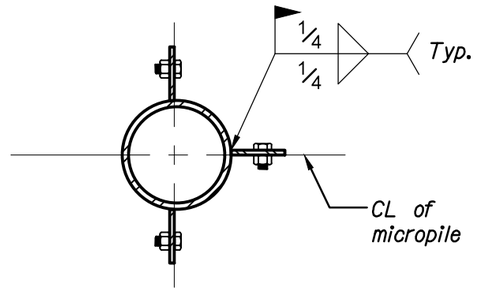


SECTION A-A
SCALE: N.T.S.



SECTION B-B
SCALE: N.T.S.





SECTION A-A

TYP. BOLTED WF BEAM TO MICROPILE AT MULTIPLE SIDED CONNECTIONS
1
Scale: 1"=1'-0"

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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
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Designed By - I.M.
Drafted By - A.D.

MICROPILE DETAILS

SHEET NO. GB15

10/13/2025

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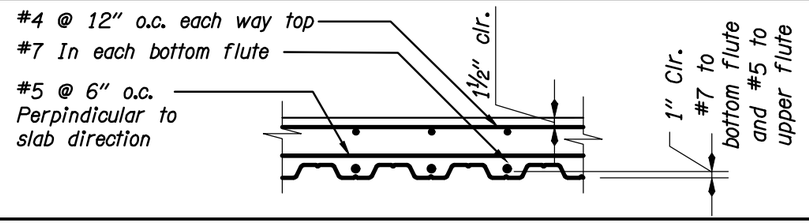
BST 10 No. : 101023000069

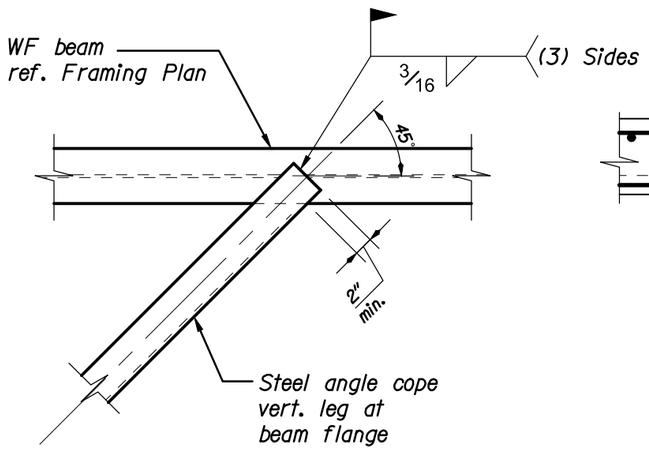


FLOOR DECK SCHEDULE							
DECK DESIGNATION	DECK TYPE AND GAUGE	CONC. TOPPING THICKNESS	CONCRETE TOPPING STRENGTH	CONNECTIONS			
				AT SUPPORT MEMBERS	AT PARALLEL MEMBERS	AT SIDE LAPS	NOTES
D-1	2"-(18) GA. Type W	6"	5000 PSI	1/2" Effective diameter puddle welds at 12" o.c.	1/2" Effective diameter puddle welds at 12" o.c.	Button punch or 1-1/2" top weld or side seam weld at 36" o.c.	Note 3, 4, 5

NOTES

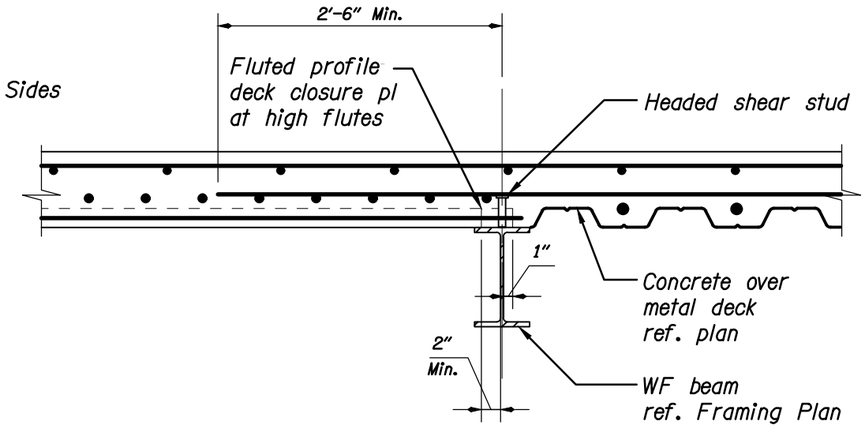
1. Ref. General Structural Notes for basis of design deck properties.
2. Ref. General Structural Notes for concrete properties at floor deck.
3. Welded headed studs per drawings may be provided in lieu of deck welds indicated.
4. Basis of design for decking and fasteners is Verco. Use of alternate deck suppliers requires an engineered fastener submittal per equivalent diaphragm shear strengths.

1 ELEVATED SIDEWALK SLAB SCHEDULE



4 SKEWED SHEAR PLATE WELDS

Scale: 3/4"=1'-0"

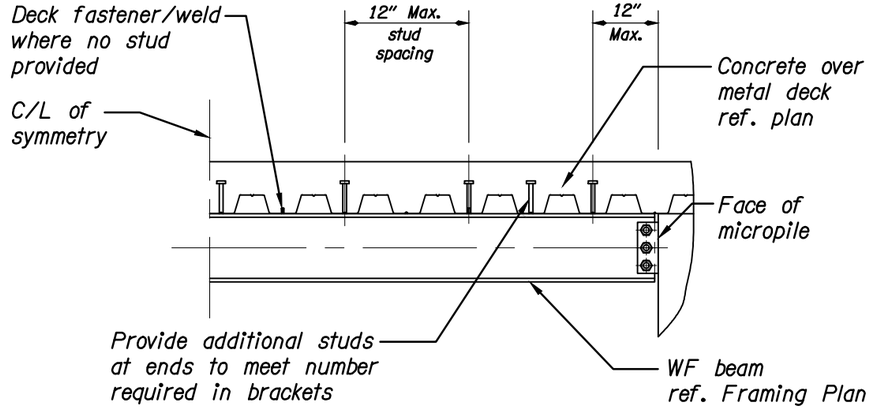


Note:

Ref. Schedule this sheet for deck attachment and slab reinforcing.

3 CHANGE IN DECK ORIENTATION

Scale: 3/4"=1'-0"



2 TYP. COMPOSITE DECK BEAM STUD SPACING

Scale: 3/4"=1'-0"

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Drafted By - A.D.

ELEVATED SIDEWALK DETAILS

SHEET NO.
GB16

10/13/2025

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Plotted: 10/13/25 at 2:41pm By: anthony
XREFs: Tblk 11x17
BST 10 No. : 101023000069

GENERAL STRUCTURAL NOTES

Provide all materials and perform all work according to the Oregon Standard Specifications for Construction 2024 and the project special provisions (collectively referenced as the specifications).

MECHANICALLY STABILIZED EARTH (MSE) WALL WITH GABION FACING DESIGN CRITERIA

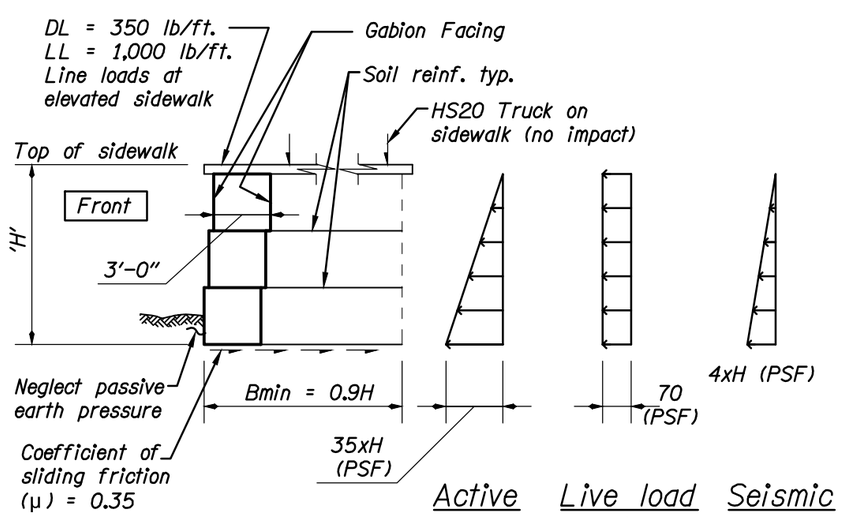
Final MSE retaining wall design to be provided by the Contractor's MSE Wall provider.
Walls to be designed in accordance with the AASHTO LRFD Bridge Design Specifications, as modified by the ODOT Bridge Design Manual, the ODOT Geotechnical Design Manual, and for the following minimum loads and allowances:

Loads
- Lateral earth pressures: See "Lateral Earth Pressure Diagram", this sheet
- Gabion wall fill density: 100 pcf
- Traffic surcharge: See "Lateral Earth Pressure Diagram", this sheet
- Density of retained soil: 125 pcf

Allowances or resistances
- Coefficient of sliding friction: See "Lateral Earth Pressure Diagram", this sheet

Nominal soil bearing resistance: 4,500 psf
- Soil bearing resistance factors: Strength = 0.45; Seismic = 1.00
- Sliding resistance factors: Strength = 0.90; Seismic = 1.00

Refer to the Geotechnical Report by GRI, dated 7-14-2023 for additional soils and wall design recommendations.



'B' Indicates width of wall base from facing to end of soil reinforcement

All loads are unfactored.

1 LATERAL EARTH PRESSURE DIAGRAM
Scale: NTS

CONCRETE AND REINFORCING

Provide class 4000 - 1½", 1", or ¾" concrete for all locations, except at concrete topping on metal deck.

Provide class 4000 - ¾" concrete for concrete topping on metal deck.

Provide ¾" chamfers on all exposed concrete edges u.n.o.

Place bars 3" clear when cast against soil

Place bars 2" clear of nearest face of concrete at other locations, u.n.o.

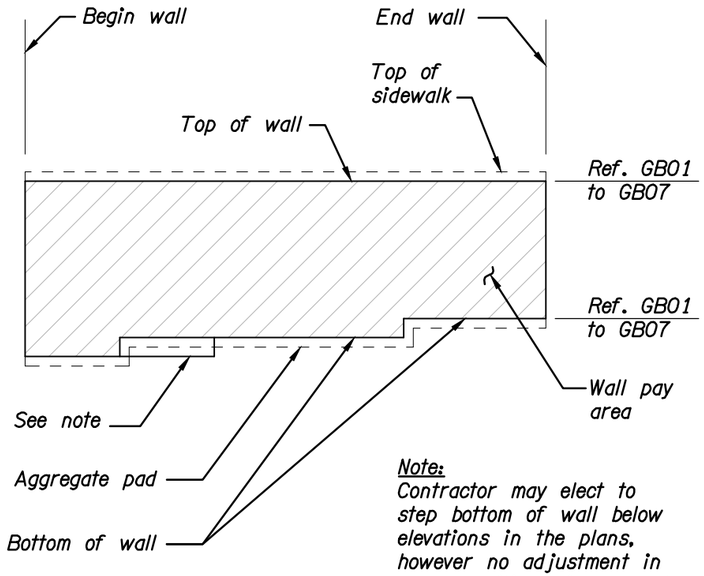
Provide uncoated reinforcing steel according to AASHTO M31 (ASTM A615) Grade 60, u.n.o.

Use the following splice lengths

Reinforcing splice lengths (Class B)					
Grade 60, f'c = 4.0 ksi, Cr = 0.4, 2" min. concrete clear cover for #6 and larger, 1" min. clear cover for #5 and smaller					
Bar size	#3	#4	#5	#6	#7
Uncoated	1'-4"	2'-0"	2'-4"	2'-10"	4'-6"

Increase all splice lenghts 30% for horizontal or nearly horizontal bars placed such that more than 12" of fresh concrete is cast below the bar.

Splice reinforcing steel at alternate bars, staggered at least one splice length or as far as possible, unless shown otherwise.



Note:
Contractor may elect to step bottom of wall below elevations in the plans, however no adjustment in pay quantities will be made.

2 WALL PAY AREA DIAGRAM
Scale: NTS

STEEL DECK

Steel floor deck shall be a composite type with ribs at 12" o.c. of the size and gauge indicated on the plans. Steel deck shall conform to ASTM A653 designation SS, Grade 50 (Fy = 50 ksi). The galvanized coating shall conform to ASTM A653 and G90.

Minimum deck gauges indicated on the plans are based on single span, un-shored conditions. Minimum properties shall be as follows:

FLOOR DECK PROPERTIES			
DECK TYPE & GAUGE	I (IN^4/FT)	+S (IN^3/FT)	-S (IN^3/FT)
W2-18 GA	0.545	0.471	0.481

Welded or mechanical deck connections shall be provided at all supports and sidelaps as indicated. Deck design is based on Verco in accordance with IAPMO ES Evaluation Report ER-0217. Equal product(s) may be submitted for review and approval by the Engineer.

Do not hang or suspend structural items directly from deck. Non-structural items suspended from the deck shall be reviewed and approved by the Engineer prior to installation.

Metal deck, beams, and girders will deflect during placement of concrete. Contractor shall account for this displacement by providing additional concrete at center of spans. The intent is to construct straight slopes on elevated sidewalk, and to provide the minimum indicated thickness of concrete over metal deck.

STRUCTURAL STEEL

Structural steel shall be of the material and type listed below, unless noted otherwise.

SHAPE	MATERIAL GRADE
Wide flange shapes	ASTM A992, Grade 50
Plates	ASTM A572, Grade 50
Angles	ASTM A36

Provide ASTM F3125 grade A325 high strength bolts at structural connections and snug-tight, unless shown otherwise.

Hot dip galvanized all structural steel and hardware according to ASTM A123 and ASTM 153, respectively. Provide shear connectors according to ASTM A108 headed concrete anchor studs. Reinforcing steel to be welded to steel plate shall be ASTM A706 grade 60 and welded with a CJP weld or all around 3/8" fillet weld using E70 electrode.

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THE DALLES FIRST STREET PROJECT
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THE DALLES, OREGON
WASCO COUNTY

Designed By - I.M.
Drafted By - A.D.

The Hub of the Pacific Northwest CITY OF THE DALLES OREGON

GENERAL STRUCTURAL NOTES

SHEET NO. GB17

10/13/2025

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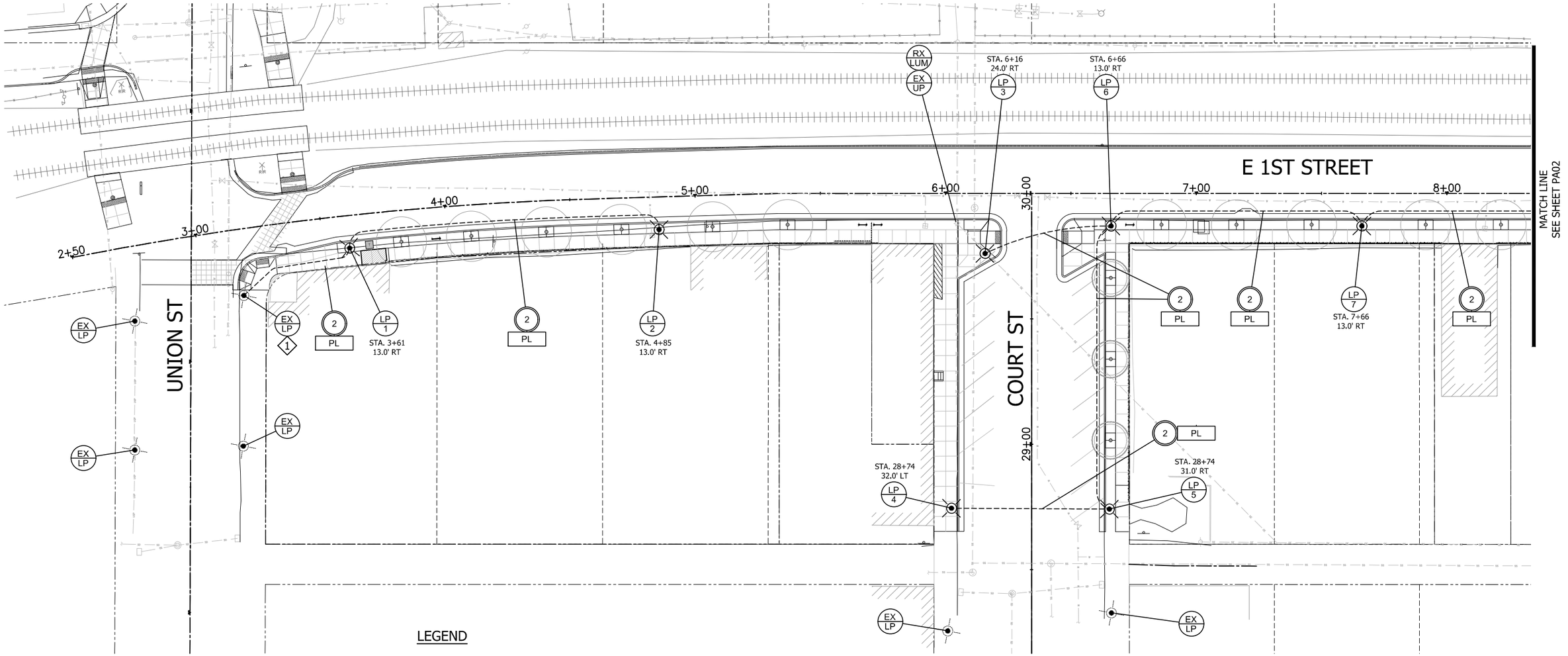

GENERAL NOTES:

1. CONTACT JEFF HANDLEY WITH NORTHERN WASCO COUNTY PUD AT (541) 296-2226 TO COORDINATE FIELD WORK AND PICK UP OF MATERIALS.
2. ALL STREET LIGHTING MATERIALS TO BE SUPPLIED BY PUD. MATERIALS FOR UNDERGROUND LINE INSTALLATION CAN BE PICKED UP AT THE PUD'S WAREHOUSE, 2345 RIVER ROAD, THE DALLES, OR. 97058, 7:30-12:00 & 1:00-3:30. THE PUD DOES NOT DELIVER MATERIALS TO THE JOB SITE.
3. UPON INSTALLATION OF THE PUD'S SUBSTRUCTURE SYSTEM, PLEASE CONTACT PUD ENGINEERING DEPARTMENT AT (541) 298-4461 FOR INSPECTION PRIOR TO BACKFILL TO ENSURE ALL WORK WAS DONE TO DISTRICT'S SPECIFICATIONS.
4. ALL WORK TO BE COMPLETED PER PUD STANDARDS AND SPECIFICATIONS AS NOTED IN THE NORTHWEST WASCO COUNTY PUD SERVICE STANDARDS AND REQUIREMENTS (LATEST VERSION).

LEGEND

LUMINAIRES AND POLES

- EX / UP — RETAIN AND PROTECT EXISTING UTILITY POLE
- EX / LP — RETAIN AND PROTECT EXISTING LIGHT POLE
- LP / N — INSTALL LIGHT POLE (N=NUMBER) AND POLE BASE. LIGHT POLE TO BE PROVIDED AND INSTALLED BY PUD. POLE BASE TO BE PROVIDED BY PUD AND INSTALLED BY THE CONTRACTOR.
- RX / LUM — REMOVE EXISTING LUMINAIRE ARM AND FIXTURE, TO BE COMPLETED BY PUD.
- RX / WP — REMOVE EXISTING WOOD STREET LIGHT POLE.
- JB / 1 — INSTALL 17"X10"X12" (MIN. DIMENSION) PRECAST CONCRETE JUNCTION BOX, SEE OREGON STANDARD DWG.TM472.

CONDUIT AND WIRING

- (S) — INSTALL (S=SIZE) INCH DIAMETER CONDUIT. CONDUIT PROVIDED BY PUD AND INSTALLED BY THE CONTRACTOR.
- PL — INSTALL POLYETHYLENE PULL LINE PER ODOT QUALIFIED PRODUCTS LIST (QPL).

Scale: 1" = 40'

40 20 0 40

CONSTRUCTION NOTE:

1. EXTEND CONDUIT FROM EXISTING POLE. COORDINATE WITH PUD DURING INSTALLATION

REGISTERED PROFESSIONAL ENGINEER
72571PE
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OREGON
JULY 13, 2004
HERMANUS J. STEYN
EXPIRES: 6/30/2026

KITTELSON & ASSOCIATES
851 SW 6TH AVENUE, SUITE 600
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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - J. Whitman
Drafted By - J. Henriksen

ILLUMINATION PLAN

SHEET NO. PA01

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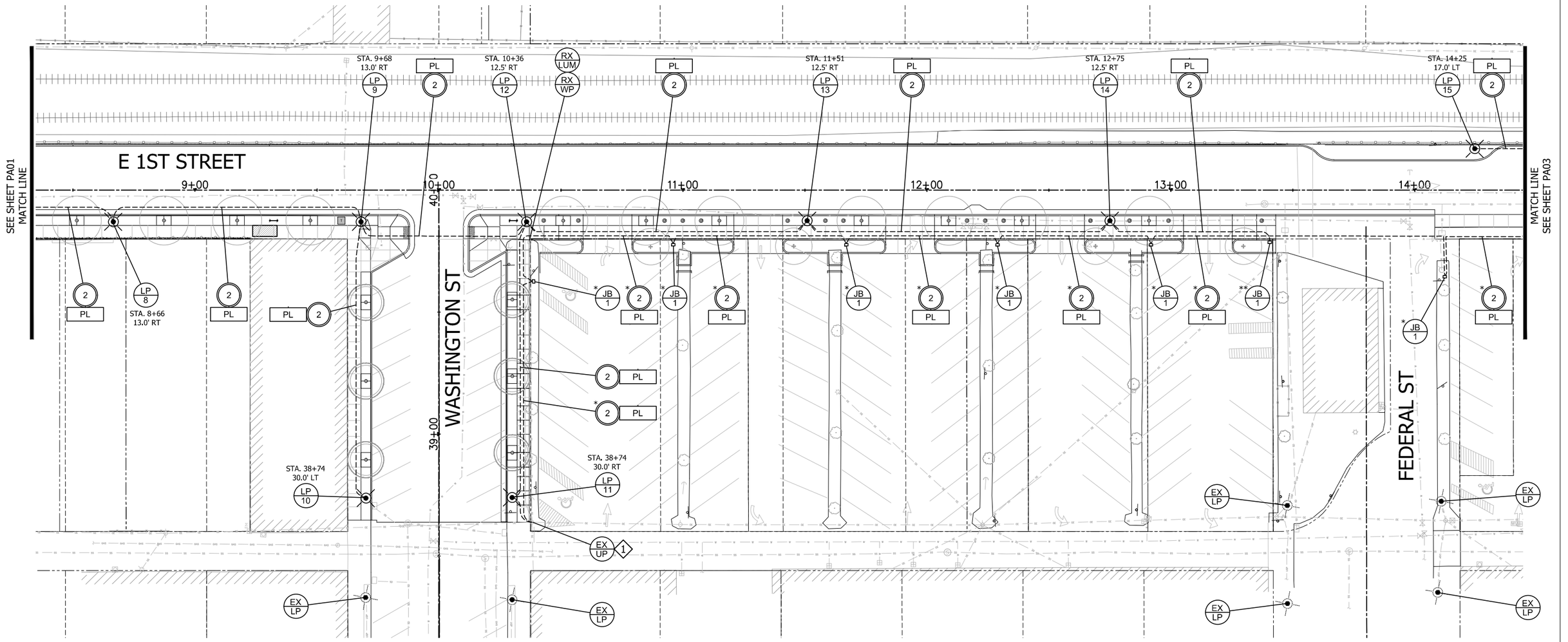


CONSTRUCTION NOTE:

1. POWER SOURCE. EXTEND CONDUIT TO UTILITY POLE BASE. COORDINATE WITH PUD DURING INSTALLATION.

NOTE:

SEE SHEET PA01 FOR LEGEND

* - CONDUIT AND JUNCTION BOXES ARE FOR FUTURE CITY PURPOSES.

** - CONNECTION TO PROJECT TO BE DESIGNED AND CONSTRUCTED BY OTHERS.

Scale: 1" = 40'

40 20 0 40

REGISTERED PROFESSIONAL ENGINEER
72571PE
Digitally Signed 2025.10.13
OREGON
JULY 13, 2004
HERMANUS J. STEYN
EXPIRES: 6/30/2026

KITTELSON & ASSOCIATES
851 SW 6TH AVENUE, SUITE 600
PORTLAND, OR 97204
P 503.228.5230 F 503.273.8169

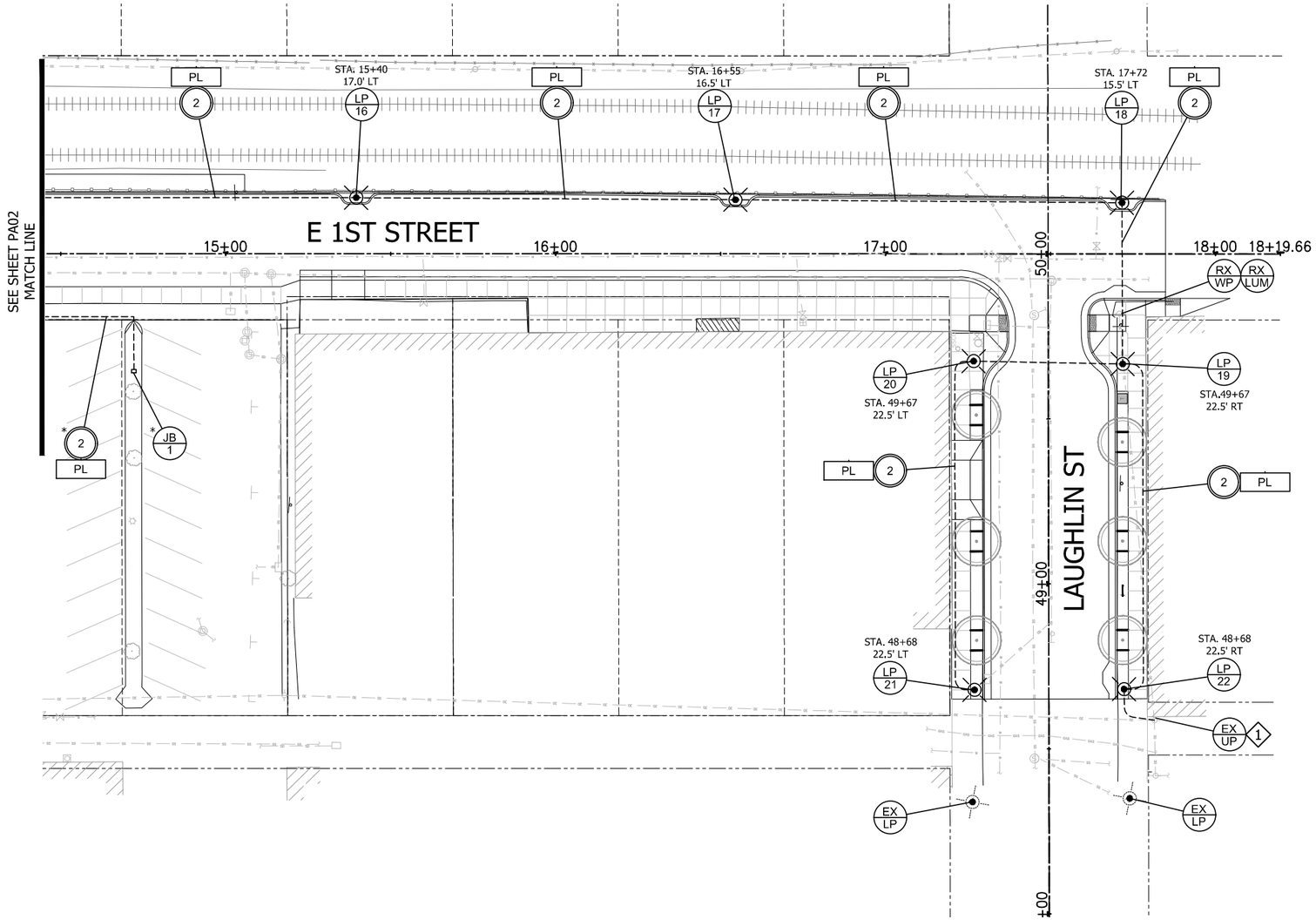
THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET
THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - J. Whitman
Drafted By - J. Henriksen

ILLUMINATION PLAN

SHEET NO. PA02

File: C:\Users\jhenriksen\appdata\local\temp\AcPublish_31536\28596_Illumination Plans_v2.dwg TAB:PA02
Plotted: 10/10/25 at 1:25pm By: jhenriksen
XREFs: 7286xtb-11X17-ODOT 7286xCenterlines 7286xst 7286xsv X_230065_DSGN_BASE 24115_agi base W intersections_v3 HJS-OR 28596 illumination base_v2



CONSTRUCTION NOTE:

1. POWER SOURCE. EXTEND CONDUIT TO UTILITY POLE BASE. COORDINATE WITH PUD DURING INSTALLATION.

NOTE:

SEE SHEET PA01 FOR LEGEND

* - CONDUIT AND JUNCTION BOXES ARE FOR FUTURE CITY PURPOSES.

Scale: 1" = 40'

40 20 0 40

REGISTERED PROFESSIONAL ENGINEER
72571PE
Digitally Signed 2025.10.13
OREGON
JULY 13, 2004
HERMANUS J. STEYN
EXPIRES: 6/30/2026

KITTELSON & ASSOCIATES
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THE DALLES FIRST STREET PROJECT
UNION STREET TO LAUGHLIN STREET

THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - J. Whitman
Drafted By - J. Henriksen

ILLUMINATION PLAN

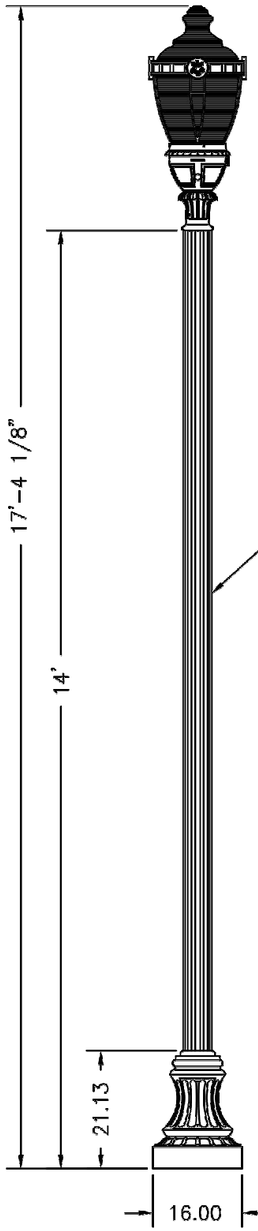
SHEET NO. PA03

File: C:\Users\jhenriksen\appdata\local\temp\AcPublish_31536\28596_Illumination Plans_v2.dwg TAB:PA03
Plotted: 10/10/25 at 1:25pm By: jhenriksen
XREFs: 7286xtb-11X17-ODOT 7286xCenterlines 7286xst 7286xsv X_230065_DSGN_BASE 24115_agi base W intersections_v3 HJS-OR 28596 Illumination base_v2

Ordering Guide

S5696C: LUMINAIRE
Modifications: Logo cage assy, Opal acrylic bands, Internal GFI outlet controlled by T/L receptacle.
SP5696A: POLE ASSEMBLY

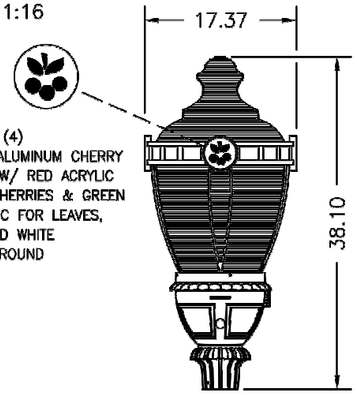
Color:
Black



POLE ASSEMBLY:
5" ROUND, STRAIGHT FLAT FLUTED ALUMINUM W/ 3" O.D. TENON, 0.188"–0.267" WALL THICKNESS, CAST ALUMINUM BASE W/ ACCESS DOOR

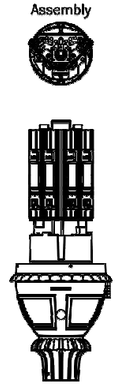
BASE TEMPLATE
#T01000735

Luminaire Detail
Scale 1:16



LOGO: (4)
CAST ALUMINUM CHERRY LOGO W/ RED ACRYLIC FOR CHERRIES & GREEN ACRYLIC FOR LEAVES, PAINTED WHITE BACKGROUND

Top View
Lumilock LED Assembly



View w/ globe & cage removed

INTERNAL GFI OUTLET CONTROLLED BY TWIST–LOCK RECEPTACLE

FASTENERS:
HEX HEAD BOLTS

COLOR:
BLACK

POD PHOTO CONTROL:
3–PIN RECEPTACLE

FUTURE PROOF PHOTO CONTROL:
NONE

INTEGRAL CONTROL OPTIONS:
NONE

Lumilock LED Specifications:

- 64, (specify color temperature) LEDs, typical 75 Color Rendering Index (CRI), >100,000 hours of operational life (at 25°C ambient temperature & 70% lumen maintenance), injection molded Type 3 short optical plates, IP66 rated optical system.
- Integral Advance Xitanium LED driver, class 1, IP66 rated, 350mA, 0–10V dimming, IntelliVolt 120 VAC, 50–60Hz, RoHS compliant, field replaceable 10kV/10kA surge suppression.

Lumilock Certifications:

- ETL/cETL listed to U.S. & Canadian safety standards for wet locations, manufactured to ISO 9001:2008 Standards, vibration tested to ANSI C136.31 for normal applications, UL8750 & UL1598 compliant, LM79 & LM80 tested, DLC listed.

PRODUCT APPROVALS	
HADCO	SDK
CUSTOMER	

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NOTICE:
This drawing is for reference only. Check for latest revision prior to ordering.

HADCO
100 Craftway Drive
Littlestown, Pa 17340
Phone 800–937–5483
Fax 717–359–0618
www.signify.com

JOB NAME:
City of The Dalles, OR

DRAWN BY:
H. Kuhn

SCALE: 1:25 | DATE: 03/26/19

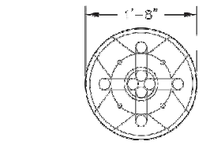
DRAWING NUMBER:
S5696–DWG02

REP:
Northern Illuminations

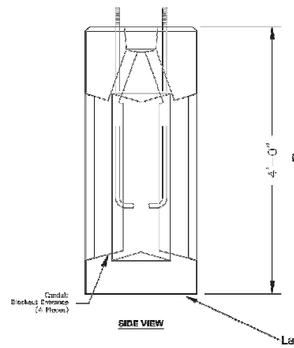
REV: B | PCN: 20–003

BY: SMK | DATE: 03/31/20

20R-LB-4

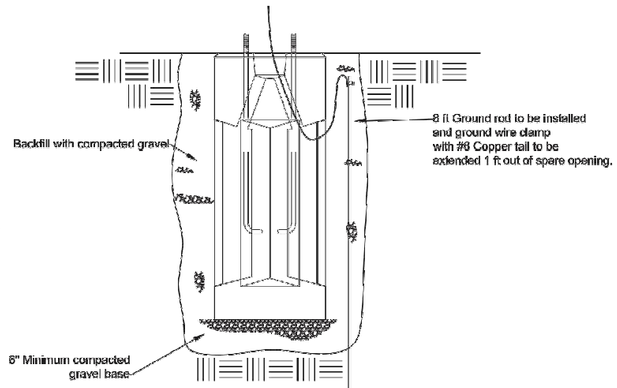


PLAN VIEW



SIDE VIEW

Lamp Pole Footing
No. 20R-LB-4
870 lbs.



TYPICAL INSTALLATION

Note:
Utility infrastructure may not be placed within one foot of a survey monument location noted on a subdivision or partition plat. This includes conduit and vaults. ORS 92.044(7)

Note:
Supporting structures, support arms, anchor guys, and equipment attached thereto, and braces shall have the following clearance of 4 ft. from fire hydrants. The clearance shall be measured between the nearest parts of the objects. NESC 231.A

REGISTERED PROFESSIONAL ENGINEER
72571PE
Digitally Signed 2025.10.13
OREGON
JULY 13, 2004
HERMANUS J. STEYN
EXPIRES: 6/30/2026

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THE DALLES, OREGON
WASCO COUNTY

Design Team Leader - P.C.
Designed By - J. Whitman
Drafted By - J. Henriksen

ILLUMINATION DETAILS

SHEET NO.
PA04

File: C:\Users\jhenriksen\appdata\local\temp\AcPublish_31536\28596_Illumination Plans_v2.dwg TAB:PA04
Plotted: 10/10/25 at 1:25pm By: jhenriksen
XREFs: 7286xtb-11X17-ODOT 7286xCenterlines 7286xst 7286xsv X_230065_DSGN_BASE 24115_agi base W intersections_v3 HJS-OR 28596 Illumination base_v2

EXHIBIT C

SPECIAL PROVISIONS

FIRST STREET STREETSCAPE PROJECT
CONTRACT NO. 2025-014

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BID SCHEDULE

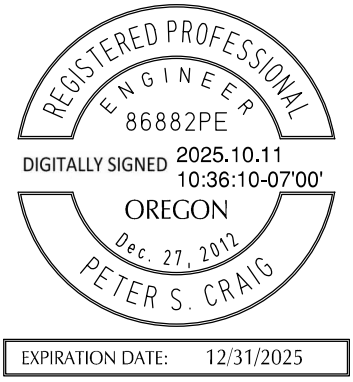
OREGON DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS

FOR

Grading, Drainage, Structures, Paving, Signing, Illumination, & Roadside Development
The Dalles First Street Project - Union Street to Laughlin Street
The Dalles, OR
Wasco County

PROFESSIONAL OF RECORD CERTIFICATION:

Seal w/signature	I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for "General Civil work". Modified Special Provisions were prepared by me or under my supervision.
	Sections 00220, 00221, 00222, 00223, 00224, 00228, 00280, 00290, 00305, 00310, 00320, 00330, 00331, 00340, 00405, 00415, 00440, 00442, 00445, 00470, 00490, 00495, 00610, 00620, 00640, 00730, 00744, 00756, 00759, 00810, 00850, 00860, 00867, 00905, 00920, 00930, 00940, 01140, 01150, 01160, 01170, 02410, 02415, 02420, 02470, 02475, 02480, 02485, 02490, 02910

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

OREGON DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS

FOR

Grading, Drainage, Structures, Paving, Signing, Illumination, & Roadside Development
The Dalles First Street Project - Union Street to Laughlin Street
The Dalles, OR
Wasco County

PROFESSIONAL OF RECORD CERTIFICATION:

Seal w/signature	I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for "Retaining Walls". Modified Special Provisions were prepared by me or under my supervision.
STRUCTURAL REGISTERED PROFESSIONAL ENGINEER 19608 DIGITALLY SIGNED OREGON NOV. 14, 2000 CRAIG J. TOTTEN EXPIRES 06/30/2026 09/26/2025	Sections 00350, 00510, 00515, 00530, 00535, 00540, 00560, 00596A, 02050, 02320, 02510, 02560

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

OREGON DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS

FOR

Grading, Drainage, Structures, Paving, Signing, Illumination, & Roadside Development
The Dalles First Street Project - Union Street to Laughlin Street
The Dalles, OR
Wasco County

PROFESSIONAL OF RECORD CERTIFICATION:

Seal w/signature	I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for "Landscaping". Modified Special Provisions were prepared by me or under my supervision.
	Sections 00760, 01040, 01050, 01095, 01120

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

OREGON DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISIONS

FOR

Grading, Drainage, Structures, Paving, Signing, Illumination, & Roadside Development
The Dalles First Street Project - Union Street to Laughlin Street
The Dalles, OR
Wasco County

PROFESSIONAL OF RECORD CERTIFICATION:

Seal w/signature	I certify the Special Provision Section(s) listed below are applicable to the design for the subject project for "Illumination". Modified Special Provisions were prepared by me or under my supervision.
 EXPIRES: 06/30/2026	Sections 00950, 00960, 00962, 00970, 02926

FINAL ELECTRONIC DOCUMENT AVAILABLE UPON REQUEST

SPECIAL PROVISIONS

WORK TO BE DONE

The Work to be done under this Contract consists of the following:

1. Construct retaining walls.
2. Install stormwater drainage system.
3. Install potable water system.
4. Reconstruct urban roadway.
5. Construct pavement inlay and overlay.
6. Construct concrete pavement cross-walks.
7. Construct curbs and sidewalks.
8. Install unit pavers.
9. Install ornamental rails.
10. Install miscellaneous streetscape features.
11. Install landscaping.
12. Install illumination.
13. Install striping and signing.
14. Perform additional and Incidental Work as called for by the Specifications and Plans.1.

APPLICABLE SPECIFICATIONS

The Specifications that are applicable to the Work on this Project is Part 00100 and 00400 of the “2025 City of The Dalles Standard Specifications for Construction”, and Parts 00200, 00300, and 00500 through 03000 of the 2024 edition of the “Oregon Standard Specifications for Construction”, as modified by these Special Provisions. All Sections in Part 00100 apply, whether or not modified or referenced in the Special Provisions.

All number references in these Special Provisions shall be understood to refer to the Sections and subsections of the Standard Specifications bearing like numbers and to Sections and subsections contained in these Special Provisions in their entirety.

SECTION 00110 – ORGANIZATION, CONVENTIONS, ABBREVIATIONS AND DEFINITIONS

Comply with Section 00110 of the City of The Dalles Standard Specifications modified as follows:

00110.00 Organization of Specifications – Replace the first two bullets with the following bullets:

- The "2025 City of The Dalles Standard Specifications for Construction", which contain Part 00100 and Part 400 addressing the solicitation process and contractual relationships;
- The "2024 Oregon Standard Specifications for Construction" which contain Parts 00200, 00300, and 00500 through 03000, containing the detailed "Technical Specifications" involved in prosecution of the Work, organized by subject matter; and
- The Special Provisions

00110.05(a) Grammar – Replace the first paragraph with the following paragraph:

The "2025 City of The Dalles Standard Specifications for Construction", Part 00100 "General Conditions, is written in the indicative mood, in which the subject is expressed. The 2024 Oregon Standard Specifications for Construction", Parts 00200, 00300, and 00500 through 03000, the detailed "Technical Specifications", are generally written in the imperative mood, in which the subject is implied. Therefore, throughout Parts 0200, 00300, and 00500 through 03000, and on the Plans:

00110.05(e) Reference to Websites – Add the following bullet list to the end of this subsection:

- American Traffic Safety Services Association (ATSSA)
  www.atssa.com
- EquipmentWatch
  www.equipmentwatch.com
- ODOT Construction Section
  www.oregon.gov/odot/construction/pages/index.aspx
- ODOT Construction Section – Qualified Products List (QPL)
  www.oregon.gov/ODOT/Construction/Pages/Qualified-Products.aspx
- ODOT Construction Surveying Manual for Contractors
  www.oregon.gov/ODOT/ETA/Documents_Geometronics/Construction-Survey-Manual-Contractors.pdf
- ODOT Estimating – Steel Material Values
  www.oregon.gov/ODOT/Business/Pages/Steel.aspx

- ODOT Traffic Control Plans Unit
  www.oregon.gov/ODOT/Engineering/Pages/Work-Zone.aspx
- ODOT Traffic Standards
  www.oregon.gov/ODOT/Engineering/Pages/Signals.aspx
- Oregon Legislative Counsel
  www.oregonlegislature.gov/lc
- Oregon Secretary of State: State Archives
  sos.oregon.gov/archives/Pages/default.aspx

00110.20 Definitions – Add the following to this subsection:

- **As-Built Drawings** – Set of Project drawings, created by the Contractor, gathered during the course of the work showing the horizontal and vertical location of all the completed work by the Contractor. The drawings will also clearly mark any deviations from the original stamped design. One set of drawings being a paper copy at either 11”X17” or 24”X36” in size and one copy of the drawings in AutoCAD format. Contractor shall verify version of AutoCAD with City prior to submittal.

SECTION 00120 – BIDDING REQUIREMENTS AND PROCEDURES

Comply with Section 00120 of the City of The Dalles Standard Specifications modified as follows:

The Plans, which are applicable to the Work to be performed under the Contract, bear title and date as follows:

“Grading, Drainage, Structures, Paving, Signing, Illumination, & Roadside Development
The Dalles First Street Project - Union Street to Laughlin Street
The Dalles, Oregon
Wasco County
October, 2025”

SECTION 00130 – AWARD AND EXECUTION OF CONTRACT

Comply with Section 00130 of the City of The Dalles Standard Specifications.

SECTION 00140 – SCOPE OF WORK

Comply with Section 00140 of the City of The Dalles Standard Specifications.

SECTION 00150 - CONTROL OF WORK

Comply with Section 00150 City of The Dalles of the Standard Specifications modified as follows:

00150.15(b) Agency Responsibilities - Replace this subsection, except for the subsection number and title, with the following:

The Engineer will perform the Agency responsibilities described in the *Construction Surveying Manual for Contractors*, Chapter 1.5 (see Section 00305).

00150.15(c) Contractor Responsibilities - Replace this subsection, except for the subsection number and title, with the following:

The Contractor shall perform the Contractor responsibilities described in the *Construction Surveying Manual for Contractors*, Chapter 1.6 (see Section 00305).

The Contractor shall perform slope staking including intersections and set stakes defining limits for clearing which approximate Right-of-Way and easements.

•

Add the following subsection:

00150.50(f) Utility Information (No Anticipated Relocations) - Within the Project limits, there are no anticipated relocations with the Utilities listed in Table 00150-1. The Contractor shall contact those Utilities having buried facilities and request that they locate and mark them for their protection prior to construction.

Table 00150-1

Utility	**Contact Person's Name, Address, Email, and Phone Number**
Lumen	Joey Shelton 902 Wasco Street Hood River, OR 97031 Jonah.s.shelton@centurylink.com (541)-387-9856
Charter Communications	Ernie Garcia 409 Union Street The Dalles, OR 97058 Ernie.garcia@charter.com (541)296-1146
Q-Life Network	John Avery PO Box 1543 The Dalles, OR 97058 john@aristonetworks.com (541)340-0032

NW Natural Gas Company **- Gas Utilities** -

In the event of an emergency, and in addition to the calls required by the Utilities notification system, the Contractor shall call:

- Northwest Natural Gas 1-800-882-3377

Add the following subsection:

00150.50(g) Utility Information (Anticipated Relocations):

The organizations listed in Table 00150-2 may be adjusting Utilities within the limits of the Project during the period of the Contract with relocation work estimated to be completed by the following dates and times:

Table 00150-2

Subsection	Utility	Contact Person's Name, Address, Email, and Phone Number	Estimated Completion Date
00150.50(g)(1)	Northern Wasco County PUD	Jeff Handley 2345 River Road The Dalles, OR 97058 (541)397-0372	TBD
00150.50(g)(2)	Northwest Natural	Tonya Brumley 1125 Bargeway Road The Dalles, OR 97058 tbl@nwnatural.com (541)296-2229	TBD

The Contractor shall notify, in writing, the Utilities listed above, with a copy to the Engineer, at least 14 Calendar Days before beginning Work on the Project.

Northern Wasco County PUD - "Power Supplier":

The Contractor shall notify the Power Supplier(s) in writing, with a copy to the Engineer, at least 14 Calendar Days before beginning Work within 10 feet of the power line(s).

The Contractor shall notify the Power Supplier in writing, with a copy to the Engineer, 21 Calendar Days before the Contractor is scheduled to begin performing removal of lighting poles and arms. After the Power Supplier receives the notification, the Contractor shall then allow the Power Supplier 21 Calendar Days to schedule and complete the relocation and adjustment work before the Contractor begins performing removal of lighting poles and arms.

The Contractor shall notify the Power Supplier in writing, with a copy to the Engineer, 14 Calendar Days before the Contractor's estimated completion of concrete bases and conduit installation. After the Contractor has completed this Work or 14 Calendar Days after the Power Supplier receives the notification, whichever occurs later, the Contractor shall then allow the Power Supplier 14 Calendar Days to schedule and complete the relocation and adjustment work.

Energized power lines overhang portions of the Work with a minimum vertical clearance of 18 feet. The Contractor shall maintain at least 10 feet of safety clearance. Exceptions require written approval from the Power Supplier(s) and may require an on-site safety watcher, at no cost to the Contractor. The Contractor shall provide the Engineer a copy of the written approval of exception before beginning work.

(1) Northwest Natural – "Gas Supplier":

The Gas Utility operates a gas pipeline within the Project limits and may require an on-site safety watcher, at no cost to the Contractor.

When operating Equipment directly above the gas pipeline, the Contractor shall keep Equipment on the paved surfaces only.

In the immediate area of the gas lines, when moving any Equipment, excavating, driving piles, pounding guardrail posts, boring, or other road construction activities, the Contractor shall increase the tolerance zone from 24 inches, as defined in OAR 952-001-010, to 10 feet. Exceptions require written approval from the Gas Utility. The Contractor shall provide the Engineer a copy of the written approval of the exception before beginning Work.

00150.90(b) All Contact Work – Add the following bullet to the end of this subsection:

- The Contractor has completed and submitted an approved set of As-Built Drawings.

SECTION 00160 – SOURCE OF MATERIALS

Comply with Section 00160 of the City of The Dalles Standard Specifications modified as follows:

00160.07 Electrical Equipment and Materials – Replace the paragraph beginning "When the Contract specifies the use of…." With the following paragraph:

When the Contract specifies the use of the Blue Sheets and Green Sheets, unless specified as the subject of an exemption per ORS 279C.345, the Agency may approve for use a product qualified for inclusion in a later edition of the Blue Sheets and Green Sheets or other equivalent product that meets the requirements of the Blue Sheets, following the Blue Sheet Qualification/Specification Information, or the Green Sheets, following the Green Sheet Qualification/Specification Information, if the Agency finds the product acceptable for use on the Project.

00160.30 Agency-Furnished Material – Add the following to the end of this subsection:

The Agency will furnish the listed items at the following location:

Concrete light bases, Conduit	Northern Wasco County PUD 2345 River Road The Dalles, OR 97058
Bike Rack, Trash Receptacle	City of The Dalles Public Works Yard 1215 West 1st Street The Dalles, OR 97058

SECTION 00165 – QUALITY OF MATERIALS

Comply with Section 00165 of the City of The Dalles Standard Specifications modified as follows:

00165.10 Materials Acceptance Guides – Replace subsection (a) with the following:

(a) Field-Tested Materials - Field-tested Materials will be accepted according to the MFTP as a Type D Project. The MFTP is published once per year and is available from the ODOT Construction Section; 800 Airport Road SE; Salem, OR 97301-4798;

phone 503-986-3000. The MFTP is also available on the ODOT Construction Section website (see 00110.05(e)). The most current version of the MFTP on the date of Advertisement is the version in effect for the Project.

SECTION 00170 – LEGAL RELATIONS AND RESPONSIBILITIES

Comply with Section 00170 of the City of The Dalles Standard Specifications modified as follows:

00170.00 General – Replace the paragraph that begins "The Contractor shall comply with all laws, ordinances, …" with the following paragraph:

The Contractor shall comply with all laws, ordinances, codes, regulations, executive orders and administrative rules (collectively referred to as "Laws" in this Section) that relate to the Work or to those engaged in the Work. Where the provisions of the Contract are inconsistent or in conflict, the Contractor shall comply with the more stringent standard.

Add the following subsection:

00170.01(e) Railroads – An endorsement between the Contractor and the Railroad to Work near or within Railroad property is required for this Project. A copy of the Railroad endorsement and corresponding requirements is included near the front of this Special Provision booklet. The Railroad endorsement and requirements are subject to change by the Railroad. The Railroad will provide the actual endorsement and requirements for execution. The Contractor shall obtain all necessary permits and licenses and pay all fees (see 00170.02). The Contractor shall obtain a fully executed copy of the endorsement and requirements between the Contractor and the Railroad and provide a copy of it to the Engineer before beginning Work near or within the Railroad property or Right-of-Way.

The Railroad contact for this Project is:

Leo Craig
817-907-9560
lcraig@olsson.com

The USDOT Number for this Project is 807628B.
Railroad company owning the track: UPRR.
Operating Railroad company at track: UPRR.
Railroad MP: 84.25-84.60.
Railroad Subdivision: _____.
City: The Dalles.
County: Wasco County.

The Union Pacific Railroad Folder Number is Bill # 342555087 / Project Number 0770572.

The Railroad requires a third party flagging vendor when Work occurs near or within Railroad property. When Railroad flagger services are required, the Contractor shall provide flagger services from a third party flagging vendor from Union Pacific's approved third party list according to 00223.35.

00170.70(a) Insurance Coverages –

Replace this section with the following to the end of this subsection:

1. Insurance and Indemnity.

a. Insurance. Contractor agrees, at its expense, to carry and maintain in effect throughout this Agreement's term (and—for completed operations—for 5 years following substantial completion of the Work) at least the following coverage policies:

(i) Workers' Compensation coverage provided by SAIF (or another insurer authorized to write Workers' Compensation in Oregon) and at the statutory limits;

(ii) Employer's Liability not less than $1,000,000 (each accident), $1,000,000 disease (policy limit), and $1,000,000 disease (each employee);

(iii) Commercial General Liability (CGL) written on an occurrence form, including premises/operations, products-completed operations, broad contractual liability, and independent contractors, and affirmatively evidencing no exclusions for explosion/collapse/underground (X-C-U), subsidence/earth movement, open trench/roadwork, or traffic control, not less than $1,000,000 (per occurrence), $2,000,000 (general aggregate), $2,000,000 (products-completed operations aggregate). Contractor agrees its CGL policy must be primary and non-contributory to any insurance or self-insurance maintained by the City and shall include a per-project aggregate endorsement. Contractor agrees its CGL shall maintain products-completed operations coverage in effect for 5 years following the Work's substantial completion (which may be satisfied by keeping either the underlying policy or a qualified Umbrella or Excess Liability coverage in force).

(iv) Contractors Pollution Liability insurance not less than $2,000,000 (per claim) and $2,000,000 (in aggregate), covering jobsite operations (including mold/microbial matter), transportation of materials to and from the site, and non-owned disposal sites. The City will accept coverage to be written on an occurrence or claims-made form; provided, however, if written on a claims-made form, the policy must include a retroactive date on or before the commencement of any Work and include a three-year tail following the Work's substantial completion;

(v) Asbestos/Lead Abatement Liability insurance (only if included in the Work, otherwise the Contractors Pollution Liability coverage described in subsection (iv) herein is sufficient) that is either:

(a) an abatement-specific liability policy with limits not less than $2,000,000 (per occurrence) and $3,000,000 (in aggregate) written on:

(1) a full occurrence form;

(2) a limited occurrence form with at least a three-year tail; or

(3) a claims-made form with a three-year tail; or

(b) Contractor Pollution Liability that expressly includes asbestos/lead abatement with limits not less than those described in subsection (iv) herein;

(vi) Commercial Automobile Liability covering all owned, hired, and non-owned vehicles with a combined single limit of $500,000 (per accident). Contractor shall schedule Automobile Liability under its Umbrella or Excess Liability policy so that the total

protection equals or exceeds the tower required by subsection (vii) herein; provided, however, if the Umbrella or Excess Liability underwriter requires $1,000,000 underlying Automobile Liability, Contractor may satisfy the difference by Umbrella drop-down or by purchasing higher Automobile Liability limit;

(vii) Umbrella or Excess Liability that is occurrence-based, follow-form over CGL, Automobile Liability, and Employer's Liability with limits not less than $10,000,000 (per occurrence and aggregate). Any Umbrella or Excess Liability coverage shall not restrict or negate Additional Insured status (including completed operations), primary and non-contributory status, or waivers of subrogation granted by underlying policies. Contractor shall provide the declarations page, the schedule of underlying policies and limits, and wording confirming follow-form status over CGL, Automobile Liability, and Employer's Liability; and

(viii) Contractor's Professional Liability (Errors & Omissions) not less than $1,000,000 (per claim) and $2,000,000 (in aggregate), written on a claims-made basis with a retroactive date on or before Notice to Proceed and a three-year tail following the Work's substantial completion. This requirement applies where Contractor or its subcontractors perform or delegate professional services (e.g., engineered temporary works/falsework/shoring/underpinning, dewatering/groundwater control, Maintenance and Protection of Traffic (MPT)/traffic-control design, PE-stamped shop drawings, survey/layout, etc.). Professional design subcontractors shall carry Professional Liability coverage with not less than these limits and tail.

b. Certificates, Endorsements, and Policies. Prior to commencement of any Work, Contractor agrees to provide the City with certificates of insurance and copies of the required endorsements as described in this subsection. Contractor agrees to provide copies of any insurance policy contemplated by this Agreement promptly upon the City's request. Contractor agrees to provide the City thirty (30) days' written notice before cancelling, modifying, or materially reducing any insurance policy contemplated by this Agreement and further agrees its failure to notice the City of cancellation, modification, or reduction to any insurance policy contemplated by this Agreement is, at the City's sole discretion, grounds for immediate termination of this Agreement.

(i) Additional Insured. Contractor agrees to include the City of The Dalles, its employees, officials, and agents and Columbia Gateway Urban Renewal Agency, its employees, officials, and agents (Agency) as Additional Insureds (primary and noncontributory with respect to any insurance or self-insurance maintained by the City or Agency) to the extent permitted by applicable law on the following policies:

(a) CGL (for ongoing and completed operations);

(b) Commercial Automobile Liability (Additional Insured endorsement); and

(c) Contractors Pollution Liability and (if applicable) Asbestos/Lead Abatement (Additional Insureds by manuscript or carrier form, including completed operations/tail where available).

(ii) Waiver of Subrogation. Contractor agrees all insurance policies contemplated by this Agreement (other than the City-Provided Builder's Risk policy) shall include waivers of subrogation in favor of the City and the Agency. Any umbrella/excess used to satisfy required limits shall be follow-form and shall not restrict or negate waivers granted in the underlying policies.

(iii) City-Provided Builder's Risk – Evidence. The City agrees to provide evidence of Builder's Risk insurance for the Project and will include Contractor and all subcontractors of any tier

as Insureds for their interests in the Work. The City will be Named Insured and Loss Payee. Coverage will apply to on-site, off-site (including temporary storage), and in-transit property. The detailed terms, conditions, and sublimits of the Builder's Risk policy are set forth in Section 3(f).

(iv) Railroad-Specific Endorsements and Higher Limits. Contractor shall procure Railroad Protective Liability (RPL) with limits not less than $2,000,000 (per occurrence) and $6,000,000 (in aggregate) and naming Union Pacific Railroad Company (UPRR) as Named Insured, written on ISO CG 00 35 (or equivalent). Contractor shall endorse its CGL with Contractual Liability – Railroads (ISO CG 24 17, or equivalent) and Per-Project Aggregate (CG 25 03, or equivalent). Contractor shall endorse its Automobile Liability with Coverage for Certain Operations in Connection with Railroads (ISO CA 20 70, or equivalent). Where UPRR requires higher limits than the City's minimums (e.g., CGL or Automobile Liability up to $5,000,000 per occurrence, as shown in Exhibit E to the solicitation for this Agreement), Contractor agrees to furnish limits meeting UPRR's minimums for the railroad portion of the Work (by primary or follow-form umbrella) at no additional cost to the City. Contractor further agrees to provide UPRR with the certificates and endorsements further described in Exhibit E and comply with any UPRR waiver-of-subrogation and cancellation-notice requirements applicable to Work on UPRR property.

c. Subcontractor Insurance. Contractor agrees to require its subcontractors performing Work under this Agreement to carry and maintain in effect throughout this Agreement's term coverages, limits, and endorsements no less protective than those required of Contractor under this Agreement, including additional insureds, primary and noncontributory, and waiver of subrogation in favor of the City. Contractor further agrees to require those subcontractors to provide Contractor with certificates of insurance as evidence of coverage and (upon City's request) provide the City or the Agency with certificates of insurance for any subcontractor performing Work under this Agreement. The Parties agree this subsection survives the expiration or sooner termination of this Agreement.

d. Workers' Compensation. Contractor agrees it is solely responsible for maintaining proper and adequate Workers' Compensation coverage. If Contractor's insurance does not cover each and every subcontractor, certificates of insurance issued on policies covering each and every subcontractor shall be filed with the City prior to commencement of the Work, including any subcontract operations. Contractor shall provide the City with evidence it is either a self-insured employer or a carrier-insured employer for Workers' Compensation pursuant to ORS Chapter 656 prior to commencing any Work.

e. Indemnity. Contractor agrees to indemnify, defend, and hold harmless the City, its officers, agents, and employees and the Agency, its officers, agents, and employees against all liability, loss, and costs arising from actions, suits, claims, or demands for Contractor's (including Contractor's officers, agents, employees, and subcontractors) acts or omissions in the performance of this Agreement; provided, however, in no event does Contractor agree to such indemnification, defense, or holding harmless due to the City's or the Agency's sole negligence.

Add the following paragraph and bullet(s) to the end of this subsection: Add the following as Additional Insureds under the Contract:

- The City of The Dalles and its officers, agents, and employees
- City of The Dalles City Council
- KPFF Consulting Engineers
- Greenworks, Kittelson, GRI, AINW

00170.70(j) Builder's Risk – Remove all under this section and add the

following to the end of this subsection:

1. City-Provided Builder's Risk (Course of Construction).

(i) Form and Insureds. The City agrees to procure Builder's Risk (special-perils/all-risk) covering the Work. The City is the Named Insured and Loss Payee. Contractor and all subcontractors of any tier are Insureds for their interests in the Work. The policy shall include severability of interests and a waiver of subrogation in favor of all Insureds.

(ii) Limit and Valuation. The City agrees the policy limit will not be less than the Contract Price plus ten (10%) percent for changes and escalation. The City also agrees coverage shall be provided on a replacement-cost basis and written on an agreed value basis so that no coinsurance applies. The policy may be issued on a reporting form.

(iii) Covered Property. Covered property shall include the Work in place, temporary works, falsework, shoring, and formwork. The policy shall cover scaffolding, fencing, and construction-related site structures. The policy shall also cover underground property (including new utilities and structures). The policy shall cover paving, curbs, and sidewalks. The policy shall further cover owner-furnished materials and property kept in off-site storage locations. The policy shall cover property while in transit to the site. The policy shall include coverage for resultant physical loss or damage that occurs during testing and commissioning of mechanical or electrical elements.

(iv) Exclusions and Carve-backs. The City agrees the Builder's Risk policy shall not contain exclusions that eliminate coverage for direct physical loss or damage to covered property arising from roadwork, open trench conditions, dewatering operations, underground property, temporary works, falsework, shoring, or collapse, provided the loss would otherwise be covered under the policy. The policy is not intended to insure third-party buildings; provided, however, the policy shall extend coverage to resultant physical loss or damage to existing City- or Agency-owned structures and City- or Agency-owned utilities that are located within the public right-of-way when such loss or damage is caused by a covered peril. The Parties agree that faulty workmanship or faulty design will remain excluded except for resultant physical loss or damage to covered property.

(v) Catastrophic Events and Sublimits. The City may include Flood coverage and Earthquake coverage. Any such coverage may be subject to sublimits and deductibles selected by the City. Target minimum sublimits shall be as follows: Debris Removal in an amount not less than $1,000,000; Expediting and Extra Expense in an amount not less than $500,000; Temporary Works and Falsework in an amount not less than $2,000,000; Ordinance or Law (Coverage A, B, and C) in a combined aggregate amount not less than $1,000,000; Testing and Commissioning in an amount not less than $1,000,000; Off-Site Storage in an amount not less than $500,000; and In-Transit Property in an amount not less than $500,000. The City may increase or otherwise adjust these sublimits by written notice to Contractor.

(vi) Term and Use. The City agrees coverage shall commence upon the initial delivery of covered property to the site, including delivery that occurs in connection with mobilization. Coverage shall continue until the City accepts the Work or until the Work is put to its intended use, whichever first occurs. The policy shall permit the City to occupy or use portions of the Work before final completion.

(vii) Deductibles. Contractor agrees to be responsible for paying the policy deductible for

any loss that arises out of or results from the Work of the Contractor or the Work of Contractor's subcontractors. For losses that do not arise out of or result from such Work, the City may allocate the deductible in an equitable manner; provided, however, Contractor remains responsible for insuring its equipment, tools, and temporary facilities (because those items are not covered property).

(viii) Claims and Cooperation. If a loss occurs, Contractor agrees to take reasonable steps to protect the Work from further damage and to promptly notify the City of the loss. Contractor shall maintain records that document the costs incurred to protect and repair the Work. The Contractor shall cooperate fully with the City and with the Builder's Risk insurer, including providing access, information, and sworn statements that are reasonably required. The City agrees to adjust the claim in consultation with the Contractor.

00170.70(k) Builder's Risk Installation Floater – Delete this subsection.

00170.70(k) Builder's Risk Installation Floater – Replace this subsection, except for the subsection number and title, with the following:

The Contractor shall obtain, at its expense, and keep in effect during the term of the Contract, Builder's Risk Installation Floater Insurance covering the Contractor's Materials and Equipment to be used for completion of the Work performed under the Contract. The minimum amount of coverage to be carried shall be equal to the full amount of the Contractor's Equipment, Materials, or fixtures to be installed, in-transit, or stored off-site during the performance of the Contract. This insurance shall include as loss payees the State of Oregon, the Owner, the Contractor and Subcontractors as their interests may appear.

SECTION 00180 – PROSECUTION AND PROGRESS

Comply with Section 00180 of the City of The Dalles Standard Specifications modified as follows:

Add the following subsection:

00180.40(c) Specific Limitations – Limitations of operations specified in these Special Provisions include, but are not limited to, the following:

Limitations	Subsection
Cooperation with Utilities	00150.50
Railways	00170.01(e)
Contract Time	00180.50(h)
Noise Control	00290.32

The Contractor shall be aware of and subject to schedule limitations in the Standard Specifications that are not listed in this subsection.

00180.41 Project Work Schedules –

After the paragraph that begins "The Contractor shall submit a Project Work schedule meeting the requirements…" add the following paragraphs:

Submit an overall sequencing and phasing plan showing the timeline for construction of all curb ramps. Submit a list of individual curb ramps or groups of curb ramps not to exceed 32

curb ramps to include in the schedule for approval by the Engineer.

The Contractor shall include the following curb ramp tasks in the Project Work schedule:

- Contractor initial site visit(s) for ramp existing conditions;
- Submittal of Working Drawings for each ramp, submitted to the Agency according to 00759.03(c);
- Submittal of Curb Ramp Plan(s); and
- Preplacement Conference(s).

In the paragraph that begins “The Contractor shall submit a supplemental “look ahead” Project Work schedule each week to the Engineer.” Add the following bullets to the end of the bullet list:

- Identify date of curb ramp site visit to include Contractor and Agency, to review Working Drawings;
- Identify curb ramp resubmittal of Working Drawings, as required according to 00759.03;
- Identify the anticipated date of curb ramp closure;
- Identify the field markings for excavation limits for curb ramps;
- Identify when the curb ramp formwork begins;
- Identify when the curb ramp Concrete placement begins; and
- Identify the anticipated opening curb ramp date.

After the paragraph that begins “One of the following Type…” add the following paragraph:

In addition to the “look ahead” Project Work schedule, a Type A schedule as detailed in the Standard Specifications is required on this Contract.

00180.42 Preconstruction Conference – Add the following to the end of this subsection:

The Contractor shall conduct a group Utilities scheduling meeting with representatives from the Utility companies involved with this Project and the Engineer before the preconstruction conference. The Contractor shall incorporate the Utilities time needs into the Contractor’s schedule submitted at the preconstruction conference.

Add the following subsection:

00180.50(h) Contract Time – There is one Contract Time on this Project as follows:

(X) The Contractor shall complete all Work to be done under the Contract, except for plant establishment, not later than October 1, 2027 .

SECTION 00190 – MEASUREMENT OF PAY QUANTITIES

Comply with Section 00190 of the City of The Dalles Standard Specifications modified as follows:

00190.20(f)(2) Scale Without Automatic Printer - Replace the paragraph that begins "The Contractor shall inform…" with the following paragraph:

If the scales require manual entry of gross weight information, the Agency may periodically have a representative weigh witness at the scales to observe the weighing procedures. The Contractor shall inform the Engineer of their intent to use a scale without an automatic printer at least 3 working days before weighing begins or before the Contractor changes to a scale that does not have an automatic printer. The Contractor shall pay costs for the weigh witness. The hourly cost of the weigh witness will be as stated in the Special Provisions. In addition, the Engineer may periodically check the weight for a load of Materials by directing the haul vehicle to reweigh on a different scale that has been inspected and certified according to 00190.20(b) and 00190.20(d)

00190.20(g) Agency-Provided Weigh Technician – Add the following paragraph to the end of this subsection:

Pay costs for the weigh technician at $35.00 per hour.

SECTION 00195 – PAYMENT

Comply with Section 00195 of the City of The Dalles Standard Specifications modified as follows:

00195.12(d) Steel Materials Pay Item Selection – Add the following paragraph to the end of this subsection:

No Pay Items under this Contract qualify for the steel escalation/de-escalation program for this Project.

SECTION 00196 – PAYMENT FOR EXTRA WORK

Comply with Section 00196 of the City of The Dalles Standard Specifications.

SECTION 00197 – PAYMENT FOR FORCE ACCOUNT WORK

Comply with Section 00197 of the City of The Dalles Standard Specifications.

SECTION 00210 – MOBILIZATION

Comply with Section 00210 of the Standard Specifications.

SECTION 00220 – ACCOMMODATIONS FOR PUBLIC TRAFFIC

Comply with Section 00220 of the Standard Specifications modified as follows:

00220.02(a) General Requirements – Add the following bullet to the end of the bullet list:

- When flagging operations may extend traffic queues onto the railroad crossing, protect traffic at the intersection of Union Street and East 1st Street by providing an additional flagger. Position additional flagger signs according to the “Advance Flagger for Extended Traffic Queues” configuration shown on the Standard Drawings. Do not allow traffic to stop on the railroad crossing.

SECTION 00222 – TEMPORARY TRAFFIC CONTROL SIGNS

Comply with Section 00222 of the Standard Specifications modified as follows:

00222.40(e) Temporary Sign Placement – Add the following to the end of the bullet list:

- At least ten Calendar Days before closing the sidewalk at East 1st Street, place a "SIDEWALK CLOSED, Full Time" (CW11-4) sign in advance of each future closure point. Locate the sign so it is legible from the nearest alternate pedestrian pathway facing incoming pedestrian traffic. The sign may be mounted between the panels of a Type II barricade or on a single-post TSS. Do not place the sign or sign support such that it narrows the pedestrian pathway to a width of less than 4 feet.
- Before opening the TPAR, place TPAR signing and other TCM as shown, or as directed. Maintain the "SIDEWALK CLOSED, Full Time" (CW11-4) signs while the TPAR is open to pedestrian traffic.

SECTION 00223 – WORK ZONE TRAFFIC CONTROL LABOR AND VEHICLES

Comply with Section 00223 of the Standard Specifications modified as follows:
Add the following subsection:

00223.35 Railroad Flagger Services – Work near or within Railroad property requires Railroad flagger services provided by a third party flagging vendor. Provide Railroad flagger services from Union Pacific's approved third party list of Railroad flagger vendors. A list of Union Pacific's approved Railroad flagger vendors can be found at the following website:

https://www.up.com/real_estate/third-party-flagging/index.htm

Add the following subsection:

00223.80(a)(4) Railroad Flagger Services – The quantity of Railroad flagger services will be measured on the unit basis. A unit will be considered to be up to 12 consecutive hours in a Day. When more than one flagger is required due to Work at separate locations, each Railroad flagger will be measured as a separate unit. A maximum of two units per Day will be allowed at each separate location or operation where Railroad flagger services are required by the Railroad unless otherwise approved or directed.

00223.90 Payment – Add the following Pay Item(s) to the Pay Items list:

(g) Railroad Flagger Services..... Each

Payment for item (g) performed beyond the quantity shown in the Contract Schedule of Items will be made at the Contract unit price if the Engineer determines that the Contract unit price does not exceed the value of the Work as determined according to Section 00197. If the Engineer determines that the Contract unit price exceeds the value of the Work, payment for the Additional Work will be made according to 00195.20.

Payment for item (g) includes all Equipment, labor, and Incidentals necessary to complete the Work as specified.

SECTION 00224 – TEMPORARY TRAFFIC CHANNELIZING DEVICES

Comply with Section 00224 of the Standard Specifications modified as follows:

00224.46 Pavement Edge Delineation – Replace the paragraph that begins "Place tubular or conical markers…" with the following paragraph:

Place tubular or conical markers to delineate the edge of Pavement immediately after construction Work or paving operations create an abrupt or sloped edge drop-off greater than 1 inch in height along the right hand or left hand Shoulder.

00224.91 Payment, Lump Sum or Incidental Basis – Replace this subsection, except for the subsection number and title, with the following:

When the Contract indicates payment for Work under 00221.98 Payment, Method "B" – Lump Sum Basis or 00221.99 Payment, Method "C" – Incidental Basis, no separate or additional payment will be made for Work performed under this Section. Payment will be included in payment according to 00221.98 or 00221.99.

SECTION 00280 – EROSION AND SEDIMENT CONTROL

Comply with Section 00280 of the Standard Specifications modified as follows:

Add the following paragraph to the end of this subsection:

The Agency's NPDES 1200-CA permit is not applicable to the Project. Before beginning Work on the Project, obtain a NPDES 1200-CA permit from the applicable local jurisdiction or a NPDES 1200-C permit that is applicable to the Project.

00280.06 Erosion and Sediment Control Manager – Delete this subsection.

00280.90 Payment – Replace this subsection, except for the subsection number and title, with the following:

The accepted quantities of Work performed under this Section will be paid for at the Contract unit price, per unit of measurement, for the following items:

Pay Item	Unit of Measurement
(a) Erosion Control.....	Lump Sum

Item (a) includes:

- mobilization
- furnishing, stockpiling, protecting, restocking, and removing emergency Materials
- preparing Project for a period of extended non-activity
- inspecting, maintaining, and removing erosion control devices
- restoring, mulching, tacking, and seeding all disturbed ground, Work, and storage areas not otherwise covered

Partial payment for items (a) will be made as follows:

- When the initial Contractor developed ESCP, narrative, and schedule are

complete and accepted, and the initial erosion control devices are installed 25%

- When 50 percent of the Contract is complete, excluding advances on Materials 25%
- When 75 percent of the Contract is complete, excluding advances on Materials 25%
- At completion of the Work covered by this Section 25%

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

No separate or additional payment will be made for:

- constructing and removing temporary slope berms
- erosion control for Work outside the construction limits including but not limited to limited to, Borrow pits, haul roads, disposal sites, and Equipment storage sites
- modifications or additions to the ESCP.

No separate or additional payment will be made for constructing laps, seams, joints, wraps, overlaps, joint overlaps, or patches unless the Engineer orders additional amounts in excess of the minimum. For laps, wraps, or overlaps that that have been ordered by the Engineer and exceed the minimum or specified length or width, payment will be made for the added lap, overlap, or wrap length or width at the Contract unit price.

Water used for non-chemical dust control will be paid according to Section 00340. Additional

ESC devices required for permit compliance will be paid for according to 00195.20.

SECTION 00290 – ENVIRONMENTAL PROTECTION

Comply with Section 00290 of the Standard Specifications modified as follows:

00290.32 Noise Control – Add the following paragraphs to the end of this subsection:

Review The Dalles Municipal Code Section 5.08.020 which describes noise control regulations. Comply with the applicable noise control requirements of the permit for Project Work.

Copies of the noise variance permit for this Project are available from the Engineer.

00290.51 Protection of Sensitive Cultural Sites – Add the following to the end of this subsection:

There are sensitive cultural sites or areas of high probability for cultural resources on this Project. At the time of preparation of the Plans, four sites were identified.

The Agency Archaeology Representative for this Project is Andrea Blaser, M.S. / AINW PM/Sr. Architectural Historian/Historian.

All contact with the Agency Archaeology Representative and the Region Environmental Coordinator shall be through the Engineer.

An Inadvertent Discovery Plan (IDP) has been developed for this project. The IDP is available from the Engineer.

Meet with the Engineer at least 10 Calendar Days prior to beginning ground disturbing activities to discuss sensitive cultural sites on the Project. Required attendees include:

- The Contractor's supervisory personnel.
- Subcontractors, including contract archaeological monitors, and supervisory personnel who will be involved in ground disturbing activities.
- Agency archaeology representative.
- When applicable, tribal representative(s) or monitor(s).

Prior to beginning On-Site Work, install work zone fencing from section 00221.13 of the QPL, or lath and flagging, around no work zones, as shown or as directed.

Archaeological Monitors are required to be on-site during all ground-disturbing activities for this Project, unless otherwise notified. Notify the Engineer 10 Calendar Days before beginning ground-disturbing activities, or 14 Calendar Days if ground-disturbing activities are anticipated to occur simultaneously in more than two locations.

Provide archaeological monitoring during construction by a professional archaeologist who meets the Secretary of the Interior's professional standards for archaeology (36 CFR 61, Appendix A) and who has completed the ODOT Cultural Resources Consultant Qualification Training Program.

Submit the following reports according to 00150.37. Within 21 Calendar Days after receipt of the reports, the Engineer will review the submittal and accept or return for correction.

Use monitoring reports to document activities and discoveries from the Project according to the State of Oregon Guidelines for Reporting on Archaeological Investigations for monitoring from the Oregon State Historic Preservation Office website at:

https://www.oregon.gov/oprd/OH/Documents/Reporting_Guidelines.pdf

- **Draft Monitoring Report** – Submit the draft monitoring report completed by a professional archaeologist, not later than 21 Calendar Days following completion of the archaeological monitoring.
- **Final Monitoring Report** – Submit the final monitoring report completed by a professional archaeologist, not later than 60 Calendar Days following completion of the archaeological monitoring.

00290.90 Payment – Add the following paragraph(s) to the end of this subsection:

No separate or additional payment will be made for work zone fencing.

The accepted quantities of archaeological monitoring report will be paid for at the Contract lump sum amount for the item "Monitoring Report".

Payment for archaeological monitoring will be payment in full for providing a professional archaeologist to monitor the Work and for preparing, submitting correcting, and resubmitting the monitoring reports.

SECTION 00320 – CLEARING AND GRUBBING

Comply with Section 00320 of the Standard Specifications.

SECTION 00330 – EARTHWORK

Comply with Section 00330 of the Standard Specifications modified as follows:

00330.03 Basis of Performance – Add the following paragraph to the end of this subsection:

Perform all earthwork under this Section on the excavation basis.

00330.41(a)(9) Excavation Below Grade – Delete subsection 00330.41(a)(9)(c).

00330.91(d) General Excavation – Delete the bullet that begins “Includes Unsuitable Material…”.

SECTION 00331 – SUBGRADE STABILIZATION

Comply with Section 00331 of the Standard Specifications.

SECTION 00340 – WATERING

Comply with Section 00340 of the Standard Specifications.

SECTION 00350 - GEOSYNTHETIC INSTALLATION

Comply with Section 00350 of the Standard Specifications modified as follows:

00350.00 Scope - Replace the paragraph that begins "This Work consists of furnishing and placing …" with the following paragraph:

This Work consists of furnishing and placing Geosynthetics in drains, stormwater control facilities (i.e. swales, ponds, trenches), under embankments, for embankment reinforcement, under riprap, Buttresses, inlays, shear keys, over Roadbed Subgrades, and beneath Pavement overlays as shown or directed.

00350.01 Definitions - Add the following definition:

Geomembrane - An essentially impermeable geosynthetic composed of one or more synthetic sheets.

Replace the definition “**Seam Type**” with the following definition:

Seam Type - A designation of Geotextile positioning and rows of stitching in a specified sewn seam as shown (for example Type SSn-1, “J” Seam SSn-1). The designated method of joining Geomembrane sheets (for example thermal fusion welding, extrusion welding).

Add the following subsection:

00350.02 Submittals - Submit unstamped working drawings according to 00150.35. Include the geomembrane installation layout, details of field seams, treatment around penetrations and adjacent structures and anchor trench. Provide an installation layout to include geomembrane widths appropriate for the installation and to minimize field seams.

Submit equipment lists and other submittals according to 00150.37, include geomembrane handling, storage and installation procedures, equipment and personnel experience documents, and report of quality control testing.

00350.20 Field Seam Equipment - Replace this subsection, except for the subsection number and title, with the following:

Use field seaming equipment meeting the following requirements:

(a) Geotextile - Use field seam stitching Equipment that provides an acceptable lock-type stitch as recommended by the Geotextile manufacturer and approved by the Engineer.

(b) Geomembrane - Use thermal fusion welding Equipment for dual track field seaming as recommended by the Geomembrane manufacturer. Use extrusion welding equipment as recommended by the Geomembrane manufacturer at locations where thermal fusion welding is not possible, for example at patches, repairs, and short runs.

Add the following subsection:

00350.30 Personnel Qualifications - Provide installer's and seamer's that have experience from at least five installations similar to Work in the Project. For each project, include the project name, location, year of construction, type and area of geomembrane installed, seam testing performed, owner's contact name, and current phone number.

Add the following subsection:

00350.43 Geomembrane Liner Installation Requirements - Install geomembrane liner as shown or specified in the reviewed submittals, or as directed.

(a) Placement:

(1) Surface Preparation - Prepare and compact Subgrade and Soil fills with 3/4 inch maximum Aggregate as directed. Prior to installing the geomembrane, inspect the subgrade, remove all foreign matter and sharp, protruding or loose material that could penetrate or otherwise damage the geomembrane.

(2) Weather and Temperature Restrictions - Place geomembrane when the temperature is between 40 to 104 °F. Do not place geomembrane during the presence of excessive moisture or excessive winds as determined and directed by the Engineer.

(3) Inspection - During installation, visually inspect the geomembrane for imperfections, defects, holes, blisters, undispersed raw materials, and any sign of contamination by foreign matter. Mark and repair faulty or suspect areas.

(b) Seams - Overlap panels at least 2 feet and construct dual track thermal weld seam according to the manufacturer's recommendations. For slope application, align geomembrane panels and seam parallel to the line of maximum slope and minimize cross slope seams. Perform field quality control of seams according to 00350.43(f). Furnish test samples 1.5 feet long by 1 foot wide from the overlap with the seam centered in the sample.

(c) Cuts and Penetrations - Perform all cuts, welds and penetrations according to manufacturer's specifications.

(d) Protection of Geomembrane - Protect the geomembrane at all times from ultraviolet (UV) rays, contamination by surface runoff and damage from construction equipment and activities. Use methods to unroll the panels that minimize wrinkles. Minimize direct contact by personnel, Equipment and tools with the fabric. Do not drive Equipment directly on the geomembrane. Ensure the area to be lined and the cover fill material is smooth and free of sharp material that could penetrate or otherwise damage the geomembrane. Place and spread Aggregate over the geomembrane in a manner that prevents punctures, wrinkles, or other damage to the geomembrane.

(e) Edges - Secure edges of geomembrane using anchor trenches in Soil and attach geomembrane to Structures and around penetrations as shown or directed.

(f) Field Quality Control - Visually inspect all seams and non-seam areas of the geomembrane for defects, holes, blisters, undispersed raw materials, and any sign of contamination by foreign matter. Ensure the membrane is clean at the time of inspection.

Nondestructively test each suspect location in seam and non-seam areas as appropriate. Mark and repair each location that fails the nondestructive testing accordingly.

(1) Prequalification Seams - Each Day, prior to geomembrane seaming, perform a minimum 3-foot long prequalification seam by each welding technician and welding machine under the same conditions as the installation to determine proper seaming operation. Use geomembrane material from the same lot as the geomembrane to be installed.

(a) Nondestructive dual seam testing - Mark the date, ambient temperature, and welding machine identification for each prequalification test seam. Perform ASTM D5820 air channel test of the geomembrane dual track seam and use a threshold value of 4 psi pressure loss. Use ASTM D5820 Figure 1 report form for test documentation.

(b) Destructive seam testing for nonreinforced geomembrane seams produced using thermo-fusion methods - Cut samples, prepare specimens, perform peel and shear tests, and report results according to ASTM D6392 for each prequalification test seam. For each seam sample, cut, prepare, condition, and destructively test 5 specimens for peel strength and 5 for seam shear strength with a field tensometer. Perform peel tests on both the inside and outside weld tracks. The evaluation criteria are shown in Table 00350-1a, Table 00350-1b, and Table 00350-1c by geomembrane polymer type and thickness. Four out of five test specimens are required to satisfy the evaluation criteria for both peel strength and shear strength, and five out of five test specimens are required to satisfy the peel separation evaluation criteria for successful prequalification. If necessary, repeat with a new prequalification seam until successful prequalification is achieved.

(2) Field Seam Non-destructive Testing - Perform non-destructive testing the full length of field seams as seaming progresses and before seams are covered. Mark each seam by number or other approved designation. Record and submit air channel pressure test for each seam; identify each seam by number, location, date, name of QC tester, and test result.

Perform ASTM D5820 air channel test on HDEP and LLDPE geomembrane dual track seams and a threshold value of 4 psi pressure loss. Use ASTM D5820 Figure 1 report form for test documentation.

Perform ASTM D7177 air channel test on PVC geomembrane dual track field seams.

(3) Field Seam Destructive Testing Location and Frequency:

Obtain a destructive seam test sample from the anchor trench end of each seam. Install a permanent patch over the test sample location and vacuum test all patches. Cut samples, prepare specimens, perform peel and shear tests, and report results according to ASTM D6392. For each seam sample, cut, prepare, condition, and destructively test five specimens for peel strength and five for seam shear strength with a field tensometer. Perform peel tests on both the inside and outside weld tracks. Acceptance is based on four of five test specimens passing the stated criteria for both peel strength and shear strength, and five out of five test specimens passing for peel separation in Table 00350-1a, Table 00350-1b, or Table 00350-1c appropriate for the geomembrane polymer type and thickness.

The following procedures apply whenever a sample fails the field destructive test:

1. Cap strip the seam between the failed location and any passed test location.

2. Retrace the welding path to an intermediate location (a minimum of 10 feet from the location of the field test) and take a sample for an additional peel and shear tests as above. If four of five test specimens pass the stated criteria in Table 00350-1a, Table 00350-1b, or Table 00350-1c appropriate for the geomembrane polymer type and thickness, the sample qualifies, cap strip the seam between that location and the original failed location. If the test fails, the process is repeated.

3. Cut out the old seam over the length of seam failure, reposition the panel, and reseam or add a cap strip, as required.

Table 00350-1a Minimum HDPE Geomembrane Hot Wedge Seam Strength

Geomembrane Nominal Thickness	30 mils	40 mils	50 mils	60 mils
Minimum Shear Strength, lb/in	57	80	100	120
Minimum Peel Strength, lb/in	45	60	76	91
Maximum Peel separation, %	25	25	25	25

Table 00350-1b Minimum LLDPE Geomembrane Hot Wedge Seam Strength

Geomembrane Nominal Thickness	30 mils	40 mils	50 mils	60 mils
Minimum Shear Strength, lb/in	45	60	75	90
Minimum Peel Strength, lb/in	38	50	63	75
Maximum Peel separation, %	25	25	25	25

Table 00350-1c Minimum PVC Geomembrane Hot Wedge Seam Strength

Geomembrane Nominal Thickness	30 mils	40 mils	50 mils	60 mils
Minimum Shear Strength, lb/in	58.4	77.6	92.8	109.6
Minimum Peel Strength, lb/in	18	18	18	18

(g) Repair of Geomembrane - Repair or replace all torn, punctured or contaminated geomembrane during construction at no additional cost to the Agency. Repair according to the following:

Repair small holes by extrusion cap welding. Patch the hole if larger than 1/4 inch.

Repair tears by patching. Round any tears located on a slope or an area of stress or with a sharp end prior to patching.

Repair blisters, large holes, undispersed raw materials and contamination by foreign matter using patches.

Abrade and clean no more than 15 minutes the surface of geomembrane prior to repair by patching. Remove no more than 10% of the thickness.

Make all patches rounded or oval in shape, of the same membrane fabric, and extend a minimum of 6 inches beyond the edge of defects. Make all patches of the same compound and thickness as the membrane specified. Make all patches with their top edge beveled using an angle grinder prior to placement on the membrane. Apply all patches using approved methods only.

Start the welding process by grinding the existing seaming and rewelding a new seam. Begin welding where the grinding started, overlapping the previous seam by at least 2 inches. Do not reseam over an existing seam without regrinding.

Nondestructively test each repair. Repairs passing the nondestructive test are considered adequate. Repeat and retest each repair that fails these nondestructive tests until the repair passes.

Provide daily documentation of all nondestructive and destructive. This documentation to identify all seams that initially failed the testing and include evidence these seams were repaired and successfully retested.

00350.90 Payment - Add the following Pay Item to the Pay Item list:

(g) Geomembrane Liner..... Square Yard

Add the following paragraph after the paragraph that begins “Item (e) includes…”:

Item (g) includes all prequalification seams and testing, and all production seam testing and patches.

SECTION 00405 – TRENCH EXCAVATION, BEDDING, AND BACKFILL

Comply with Section 00405 of the City of The Dalles Standard Specifications.

SECTION 00415 – VIDEO PIPE INSPECTION

Comply with Section 00415 of the City of The Dalles Standard Specifications modified as follows:

Add the following subsection:

00415.22 Mainline Inspection Equipment with Laser Profiler – Provide laser profiler, software and equipment according to 00415.20 and ASTM F3080.

00415.42 Post Installation Video Inspection – Replace this subsection, except for the subsection number and title, with the following:

Perform post construction video inspection according to 00415.40 and 00415.41. Video inspect the pipe interior no sooner than 30 Days after the trench backfill and compaction have been completed, and before any paving is performed. If the Contract duration does not permit a 30 Day waiting period the Engineer may adjust the duration period.

(a) Deflection Testing for Flexible Pipe - Perform post construction deflection testing for all flexible pipe including plastic, metal, and aluminum pipe using one of the approved following methods.

(1) Remote Video Inspection with Laser Profiler - Calibrate and perform deflection inspection according to ASTM F3080. Use video inspection equipment meeting the requirements of 00415.22.

(2) Manual Deflection Test – Use Equipment meeting the requirements of00415.23.

In addition to 00415.41(b):

Measure the deflection of the pipe using either a metal or a fabric tape and read at least to the nearest ½ inch. Measure the smallest inside diameter three times for each pipe section in the run. Take the first measurement vertically from the crown to invert (12 o'clock to 6 o'clock positions). Take the second measurement by rotating 60 degrees from vertical (2 o'clock to 8 o'clock positions). Take the third measurement by rotating 120 degrees from vertical (4 o'clock to 10 o'clock positions). For all measurements, stretch tape to full extent across the inside of the pipe.

Calculate percent deflection using the following formula:

Percent Deflection = $[(D1 – D2) \div D1] \times 100$

where:

D1 = Initial measurement according to AASHTO Nominal Diameter
D2 = Most deflected measurement in each pipe run after construction

00415.70(b) Deflection Report – Replace this subsection, except for the subsection number and title, with the following:

For laser profiler provide an inspection report according to ASTM F3080.

If a manual deflection test was performed provide a written deflection inspection report that includes each deformity with the distance from the inspection starting point. Include in the report all measurements, calculations and still digital images and descriptions of each deformity.

SECTION 00440 – COMMERCIAL GRADE CONCRETE

Comply with Section 00440 of the City of The Dalles Standard Specifications.

SECTION 00442 – CONTROLLED LOW STRENGTH MATERIALS

Comply with Section 00442 of the City of The Dalles Standard Specifications.

SECTION 00445 – SANITARY, STORM, CULVERT, SIPHON, AND IRRIGATION PIPE

Comply with Section 00445 of the Standard Specifications modified as follows:

00445.73 Deflection Testing for Flexible Pipe – Replace this subsection, except for the subsection number and title, with the following:

Prior to wearing surface paving, conduct deflection tests of culverts, sanitary sewers, and storm sewers constructed of flexible pipe. Perform the deflection testing using one of the following methods.

(a) Remote Video with Laser Profiler - Conduct remote video with laser profiler testing according to 00415.42.

(b) Manual Deflection Test - Conduct manual inspection deflection testing according to 00415.42.

(c) Mandrel Deflection Test - Conduct the testing by pulling an approved mandrel through the completed pipeline. Use a mandrel having at least 9 vanes and a diameter 95 percent of the pipe's initial inside diameter.

Conduct testing on a manhole-to-manhole basis after the line has been completely flushed out with water. Conduct the tests not less than 30 Days after the trench backfill and compaction have been completed. Tests may be conducted sooner if approved by the Engineer. Conduct the test concurrently with video inspection. Pull the mandrel in front of the camera so that the deflection testing is clearly recorded on the video tape unless approved by the Engineer. Provide a water depth gauge, located on the video camera side of the mandrel with the following characteristics:

- Graduated with marks at 0.50 inch increments clearly visible during video inspection.
- Capable of measuring water depth in 0.50 inch increments from 0.50 inch to 2.50 inches.
- Designed so that it will remain plumb regardless of the rotation of the mandrel or video camera.

SECTION 00470 – MANHOLES, CATCH BASINS, AND INLETS

Comply with Section 00470 of the City of The Dalles Standard Specifications.

SECTION 00490 – WORK ON EXISTING SEWERS AND STRUCTURES

Comply with Section 00490 of the City of The Dalles Standard Specifications.

SECTION 00495 – TRENCH RESURFACING

Comply with Section 00495 of the City of The Dalles Standard Specifications.

SECTION 00510 - STRUCTURE EXCAVATION AND BACKFILL

Comply with Section 00510 of the Standard Specifications

SECTION 00515 - MICROPILES

Section 00515, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00515.00 Scope - This Work consists of designing, furnishing, constructing and testing Micropiles at the locations shown and specified.

00515.01 Definitions:

Alignment Load (AL): A minimum initial load applied to the Micropile during testing to keep the testing Equipment correctly positioned.

Bond Length: The length of the Micropile that is bonded to the ground and used to transfer the applied axial loads to the surrounding Soil or Rock.

Casing: Steel pipe Casing, generally installed during the drilling process to stabilize the borehole when drilling through Overburden Soils. The Casing may be either temporary and withdrawn during the grouting process, or permanently left in place to provide added Micropile reinforcement.

Centralizer: A device to support and position the steel reinforcement in the center of the drillhole or Casing.

Coupler: A mechanical Coupler or other approved device that transfers load from one partial length of steel reinforcement to another.

Creep: The movement that occurs during the Creep test of a Micropile under a constant load.

Double Corrosion Protection: A system composed of two levels of corrosion protection, usually consisting of either grout filled Encapsulation or epoxy coating and grout.

Encapsulation: A corrugated or deformed tube protecting the steel reinforcement against corrosion.

Factored Design Load (FDL): The maximum load expected to be applied to the Micropile during its design life.

Micropile: A small-diameter, bored, cast-in-place composite pile, in which the applied load is resisted by steel reinforcement, cement grout and frictional grout-ground bond.

Overburden: Natural or placed Material that may require cased drilling methods to provide an open borehole to underlying strata.

Post-Grouting: The injection of additional grout into the load transfer length of a Micropile after the primary grout has set.

Proof Load Test: Incremental loading of a production Micropile, recording the total movement at each loading increment.

Spacer: A device to separate individual elements of multiple-element reinforcement.

Verification Load Test: Pile load test of a sacrificial Micropile performed to verify the design of the Micropile system and the construction methods proposed, prior to installation of production Micropiles.

00515.02 General - Furnish all design, Materials, Equipment, tools, services, labor and supervision required for installing and testing Micropiles and Micropile top attachments for this Project.

Select the Micropile type, dimensions, Bond Length, pile-top attachment(s), and installation method to meet the requirements of the Specifications. Conduct verification and Proof Load Testing that demonstrates the test piles meet or exceed the specified test acceptance criteria.

00515.03 Subsurface Investigation - The Soils and Geological Exploration Logs are available for review through the Engineer's office. The data shown for each test boring or test pit applies only to that particular boring or test pit. Subsurface conditions may vary between borings or test pits. Core samples and laboratory test results, if obtained and performed for the Project, are available for review by contacting the Engineer.

The Foundation Data shown in the Plans is a compilation of pertinent information including, but not limited to, the Soils and Geological Exploration Logs.

00515.04 Micropile Design Requirements - Design Micropiles to meet the loading conditions provided in the Plans. Design Micropiles and pile top-to-footing connections using the procedures described in the most current version of the AASHTO *LRFD Bridge Design Specifications* at the time of Advertisement.

Verification test piles may require additional structural capacity above that required for production piles. Size the structural steel and grouted sections of the Micropiles to ensure that the maximum verification and proof test loads applied to the Micropile do not exceed 80 percent of the structural capacity of the Micropile structural elements, to include steel yield in tension, steel yield or buckling in compression, or grout crushing in compression.

Design and provide a composite Cross Section of the Micropile capable of developing a nominal moment capacity of 65 kip-ft. The location of the nominal moment is at a depth of 15 feet below the top of the pile).

Provide corrosion protection of the internal steel reinforcement according to 00515.10. Where permanent Casing is used for a portion of the Micropile, extend the double corrosion system at least 5 feet into the Casing. If the Micropile design relies on the Casing for axial or moment capacity, incorporate an additional 1/16 inch thickness of sacrificial steel for corrosion protection of all permanent steel Casing used in Micropile construction.

Provide Double Corrosion Protection of all steel reinforcement that is not contained within permanent Casing.

00515.05 Submittals - Before beginning construction of Micropiles, submit the following to the Engineer:

(a) Qualifications - Submit contractor and personnel qualifications according to 00515.30.

(b) Stamped Working Drawings - Submit stamped Working Drawings according to 00150.35 that include all stamped design calculations, details, dimensions, quantities, ground profiles, and Cross Sections necessary to construct the Micropile Structure. Verify the limits of the Micropile Structure and ground survey data before preparing the detailed Working Drawings. Stamped Working Drawings shall include, but not be limited to, the following information:

(1) Stamped Design Calculations and Documentation - Provide design calculations and documentation that includes:

A written summary report which describes the overall Micropile design, including the type and diameter of Micropiles selected, and if applicable, a discussion of the use of any temporary Casing.

Applicable code requirements and design references.

Dimensions of all Micropile structural components, structural design properties, and critical design Cross Sections.

Geotechnical design parameters and criteria, including Soil and Rock shear strengths (friction angle and cohesion), material unit weights, ground-grout bond values, and group effects if applicable.

Factored Design Loads, including maximum verification test loads, and nominal and factored resistances used in the design of the ground grout bond values, surcharges, steel, grout, and concrete Materials.

Minimum grout unconfined compressive strength at 28 Days and at the time of verification and Proof Load Testing.

Pile to pile cap/footing connection design calculations and construction details.

Design calculations for design of the Micropiles, including but not limited to analysis performed to determine drillhole diameters, estimated Bond Lengths, total Micropile lengths, design of corrosion protection, type and size of steel reinforcement, and if applicable, permanent Casing.

Structure (Bridge) number, Micropile Structure location (Bent No. and footing), date of preparation, initials of designer and checker, and page number at the top of each page. Provide an index page with the design calculations.

Design notes including an explanation of any symbols and computer programs used in the design.

(2) Plan View Drawing - Provide a plan view drawing that shows:

Reference baseline and elevation datum.

Overall plan layout of Micropiles showing numbering sequence, pile diameters, position, and horizontal spacing.

Station and offset from the construction centerline or baseline to the center of all Micropiles or face of Micropile Structure.

Right-of-Way and permanent or temporary construction easement limits, location of all known active and abandoned existing utilities, adjacent Structures or other potential interferences.

The centerline and dimensions of any Utility, drainage Structure, or drainage pipe behind, passing through, or passing under the Micropile Structure.

Locations of all subsurface explorations with appropriate reference base lines to fix the locations of the explorations relative to the Micropile Structure.

(3) Elevation View Drawing - Provide an elevation view drawing that shows:

Micropile locations and elevations

Micropile lengths

Minimum hole diameters, batter and alignment

Casing dimensions and lengths

Reinforcement type, sizes and details

Splice types and locations

Centralizers and Spacers

Minimum grout bond zone

Casing plunge lengths, if used

Corrosion protection details

Micropile Structure connection details to Substructure footing

Micropile Design Loads

Summary of estimated quantities for each Substructure unit

If applicable, location of drainage elements

(4) Steel Shop Drawings - Provide steel shop drawings for all structural steel including the details, dimensions, and schedules for all Micropile Casing and steel reinforcement, including steel reinforcement bending details and steel for Substructure and footing connection.

(5) Micropile Load Testing and Reporting - Provide detailed plans for the proposed Micropile load testing method and procedures. Include all drawings, details, and structural design calculations necessary to clearly describe the proposed test method, reaction load system capacity, Equipment setup, and types and accuracy of apparatus to be used for applying and measuring the test loads and pile top movements according to 00515.47. Submit Micropile Load Test Data Reports according to 00515.48.

Revise the drawings when Plan dimensions are changed due to field conditions or for other reasons. Within 30 Calendar Days after completion of the work, submit corrected stamped Working Drawings and calculations to the Engineer according to 00150.35. Corrected Working Drawings shall represent all design changes made during the construction of the Micropile Structure.

(c) Micropile Installation Plan - At least 21 Calendar Days before beginning Micropile Work, submit a Micropile Installation Plan to the Engineer for review and approval. The Micropile Installation Plan shall include, but not be limited to, the following information:

(1) Detailed step by step description of the proposed Micropile construction procedure, construction sequencing (including but not limited to drilling, grouting and testing procedures), anticipated ground conditions, and any special construction requirements to assure quality control. Include sufficient detail to allow the Engineer to monitor the construction and quality of the Micropiles.

(2) A list of the Equipment to be used for installing Micropiles, including the model, size and type of Equipment, with appropriate manufacturer's literature for review. Provide information on the drilling methods and tools to be used and the proposed method for flushing and removal of spoils. Include information on headroom and space requirements, if appropriate, for installation Equipment that show the proposed Equipment is appropriate for the site conditions and constraints.

(3) Proposed start date(s) and Micropile installation schedule.

(4) Plan describing how surface water, drill flush, and excess waste grout will be contained, controlled and disposed of in accordance with all applicable permits and regulations.

(5) Details for constructing Micropile Structures around drainage or other facilities, if applicable.

(6) Permanent Casing threading connection details. If welding of Casing is proposed, submit a proposed Welding Procedure Specification (WPS) for approval.

(7) Certified mill test reports for the steel reinforcement and permanent Casing, if used. Check sample results for permanent Casing without mill certification may be submitted in lieu of mill

certification. Supply two check sample tests per truckload delivered to the fabricator, but not less than two check sample tests per project. Include the ultimate strength, yield strength, elongation, material properties and chemical composition.

(8) Grouting Plan, including complete descriptions, details, and supporting calculations for the following:

Grout mix design and type of Materials to be used in the grout including certified test data and trial batch reports. Include in the mix designs, certified test results verifying that the mix designs provide the required grout strength, as specified in the submitted design calculations, for the 28-Day strength and the strength required at the time of verification and Proof Load Testing. Provide grout consistency and density requirements.

Equipment and procedures used to mix and place the grout, including the grout pressures to be used and descriptions of any post grouting methods, if applicable.

Estimated grout quantities.

Methods and Equipment for accurately monitoring and recording the grout depth, grout volume, and grout pressure as the grout is being placed.

Grouting rate calculations, when requested by the Engineer. Base calculations on the initial pump pressures or static head on the grout and losses throughout the placing system, including anticipated head of drilling fluid to be displaced, if applicable.

Estimated curing time for grout to achieve specified strength. Previous test results for the proposed grout mix completed within one year of the start of grouting may be submitted for initial verification and acceptance and start of production work. During production, test grout according to 00515.44(e).

Procedure and Equipment for Contractor monitoring of grout quality.

(9) Calibration reports and data for each test jack, pressure gauge and master pressure gauge and load cell to be used. Provide calibration tests performed by an independent testing laboratory within 60 Calendar Days of the date submitted. Do not begin testing until the Engineer has reviewed and accepted the jack, pressure gauge, master pressure gauge and electronic load cell calibration data.

The Engineer will approve or reject the Micropile Installation Plan within 21 Calendar Days after receipt of the plan. Do not begin Work until all submittals have been received, reviewed, and accepted in writing by the Engineer.

Make revisions or corrections to the Working Drawing submittals as requested by the Engineer and resubmit revised drawings or submittals. Resubmit changes or deviations on the Working Drawings for review and approval.

Materials

00515.10 Materials - Furnish Materials meeting the following requirements:

(a) Admixtures - Furnish admixtures conforming to Section 02040. Admixtures that control bleed, improve flowability, reduce water content, and retard set may be used in the grout, if approved by the Engineer. Only add expansive admixtures to grout used for filling sealed Encapsulations and anchorage covers. Accelerators will not be permitted. Use admixtures compatible with the grout and mixed in accordance with the manufacturer's recommendations.

(b) Cement - Furnish Portland cement (Type I, II or III) conforming to Section 02010.

(c) Grout - Furnish neat cement or Sand/cement grout mixture with a minimum compressive strength at 28 Days as specified in the contractor's design submittal and conforming to 02690.30.

(d) Water - Use water in the grout mix conforming to Section 02020.

(e) Reinforcement:

(1) Furnish deformed bar reinforcement conforming to Sections 00530 and 02510, or furnish all thread, high tensile strength bars conforming to 02515.30. When a bearing plate and nut are required to be threaded onto the top end of reinforcing bars for the pile top to footing anchorage, provide threading that is either continuous spiral deformed ribbing provided by the bar deformations or threading cut into the bar. If threads are cut into a reinforcing bar, provide a bar that is one bar size number larger than the bar size designation shown, at no additional cost to the Agency.

(2) Furnish continuous thread, hollow core steel bars (hollow injection rods) conforming to the quality, ductility and deformation requirements of AASHTO M 31 (ASTM A615).

(3) If required, furnish mechanical splices according to 2510.20.

(f) Permanent Casing - Provide permanent steel Casing with:

A diameter and minimum wall thickness as shown on the approved Working Drawings.

Tensile strength meeting the tensile requirements of API 5L Grade X52, API 5 CT Grade N80 or better, using the minimum yield strength in the design submittal.

(g) Plates and Shapes - Furnish structural steel plates and shapes for Micropile top attachments conforming to ASTM A36 or ASTM A572 Grade 50 and Section 02530 and as required to meet the design loads specified in 00515.04 and 00515.05(b).

(h) Centralizers - Fabricate Centralizers from plastic, steel, or Material that is not detrimental to the steel reinforcement. Wood Centralizers are not allowed.

(i) Corrosion Protection - Provide corrosion protection of the steel bar reinforcement by using one or more of the following methods:

Encapsulation: Shop fabricate the Encapsulation from high-density, corrugated polyethylene tubing conforming to the requirements of AASHTO M 252 (ASTM D3350) or corrugated polyvinyl chloride pipe conforming to ASTM D1784 (Class 13464-B) with a minimum wall thickness of 0.03 inches. Provide an annulus opening between the reinforcing bars and the encapsulating tube of at least 0.25 inches and use a grout conforming to 00515.10(c).

Epoxy Coating: Apply epoxy coating according to 02510.11. Bend test requirements are waived. Epoxy coating of bearing plates and nuts encased in pile concrete footings is not required. Provide mechanical Couplers for splicing epoxy coated reinforcing bars that are either epoxy coated with the same thickness as the reinforcing bars or, for bare-steel Couplers, coated with heat-shrink wrap from section 02510.11 of the QPL. Apply heat-shrink wrap extending at least 6 inches past the ends of the Couplers and 6 inches past any damaged areas.

Grout Protection: For bare steel reinforcing bars, provide a minimum 3 inches of grout cover surrounding the reinforcing bar. For epoxy or galvanized reinforcing bars, provide a minimum of 2 inches of grout cover.

Labor

00515.30 Personnel Qualifications - Use personnel experienced in Micropile construction to perform the work. Relevant experience includes that with similar anticipated subsurface Materials, groundwater conditions, Micropile type, size, loads and any special construction techniques required.

Provide the following information to verify the contractor's experience and the qualifications of personnel scheduled to perform the Micropile construction:

(a) Micropile Contractor Qualifications - Evidence of the firm's experience in the construction and load testing of Micropiles and the successful construction of at least 5 projects in the last 5 years involving construction totaling at least 100 Micropiles of similar size and capacity to those required in these plans and specifications. Evidence of contractor experience in Micropile drilling and grouting in Soil or Rock Materials and conditions similar to project conditions. Provide a project reference list for each of the 5 projects which includes:

Brief project description with the owner's name and current phone number.

Date of project.

Number, size, and capacity of Micropiles successfully installed and tested.

Types of Soil/Rock Materials and groundwater conditions encountered in the project.

(b) Micropile On-Site Supervisor - Names and detailed experience of on-site supervisors for the Project. On-site supervisors shall have experience on at least 3 projects over the past 5 years installing Micropiles of similar type, size and scope to those shown in the Working Drawings and in similar geotechnical conditions to those described in the project geotechnical report for this project. Experience shall include the direct supervisory responsibility for the on-site Micropile construction operations and load testing.

(c) Micropile Drill Rig Operator - Names and detailed experience of drill operators for the Project. Drill rig operators shall have experience on at least 3 projects over the past 5 years installing the type(s) of Micropiles required for this project and to capacities equal to, or greater than, those required in the Specifications.

(d) Micropile Registered Professional Engineer of Record - Name(s) and detailed experience of the Micropile engineer. Micropile engineers shall be a Professional Engineer registered in the State of Oregon, with experience in the design of at least 3 Micropile projects of similar scope to this project, successfully completed over the past 5 years, and experience designing Micropiles of similar or greater capacity to those required in the Plans and Specifications.

(e) Welder Qualifications - Submit qualification documents for each welder. Use welders qualified according to AWS D1.1 for the position, process and Casing diameter used on the Project.

Include in the personnel list a summary of each individual's experience with sufficient detail for the Engineer to determine whether each individual satisfies the required qualifications.

Submit qualifications of the contractor's Micropile engineer at least 21 Calendar Days before submittal of the stamped Working Drawings. The Engineer will approve or reject the contractor's qualifications within 7 Calendar Days after receipt of a complete submittal.

Do not begin Work or order Materials before the Engineer provides written approval of the Contractor's experience qualifications.

The Engineer may suspend the Micropile construction Work if the Contractor substitutes unapproved personnel during construction. Submit requests for substitution of field personnel to the Engineer, who will have an additional 7 Calendar Days to respond to each request.

Construction

00515.40 General - Contain and dispose of all construction related waste according to 00290.20.

00515.43 Allowable Tolerances - Install Micropile to within the following tolerances:

Centerline of piling not more than 3 inches from indicated plan location.

Plumb within 2 percent of total-length plan alignment (vertical piles).

Top elevation of Micropile no more than 1.0 inch above or 2.0 inches below the vertical plan elevation.

Centerline of core reinforcement not more than 0.75 inches from centerline of final pile location.

00515.44 Micropile Installation - Select the drilling method, grouting procedure, and grouting pressure used for the installation of the Micropiles. Schedule all Micropile installations such that there will be no interconnection with or damage to previously installed piles.

(a) Drilling - Provide drilling Equipment and methods suitable for drilling through the conditions to be encountered without causing damage to any overlying or adjacent Structures or services. The drillhole must be open to the required nominal diameter along its full length prior to placing grout and reinforcement.

Do not use vibratory pile-driving hammers to advance Micropile Casings.

Use temporary Casing or other approved method of Micropile drillhole support, in caving or unstable ground to permit the Micropile shaft to be formed to the minimum design drillhole diameter. Do not use drilling fluid containing bentonite. Stabilize and repair detrimental ground movements caused by caving or other unstable drillhole conditions, as determined by the Engineer.

(b) Ground Heave or Settlement - Observe the conditions in the vicinity of the Micropile construction site on a daily basis for signs of ground heave, settlement or other signs of ground displacement during construction. Immediately notify the Engineer if signs of movements are observed. Immediately suspend or modify drilling or grouting operations if ground heave or settlement is observed, if the Micropile Structure is adversely affected, or if adjacent Structures are damaged from the drilling or grouting. If the Engineer determines that the movements require corrective action, take corrective actions necessary to stop the movement or perform repairs.

(c) Reinforcement Placement - Place reinforcement according to the approved Micropile installation plan. Ensure that reinforcement surfaces are free of deleterious substances such as Soil, mud, grease or oil that might contaminate the grout or coat the reinforcement and impair the bond. If applicable, provide pile cages and reinforcement groups with sufficient strength to withstand the installation and grouting process and the withdrawal of the drill Casings without damage or disturbance.

Provide Centralizers and Spacers equally spaced along the length of the Micropile with a maximum center-to-center spacing of 10 feet. Locate the top and bottom Centralizers a maximum of 5.0 feet from the top and bottom of the Micropile. Provide at least two Centralizers per Micropile. For Micropiles less than or equal to 20 feet in length, place Centralizers at the top and bottom quarter points of the Micropile. Ensure that Centralizers and Spacers permit the free flow of grout without misalignment of the reinforcing bars and permanent Casing. Lower the central reinforcing bars with Centralizers into the stabilized drillhole and set to the design elevation and alignment tolerances. Do not force or drive partially inserted reinforcing bars into the hole. Redrill and reinsert steel reinforcement when necessary to facilitate insertion.

(d) Grouting - Measure the grout quantity and pumping pressure during the grouting operations. Provide the Engineer with records showing the quantities, test data, and grout pressures.

After drilling, flush the hole with water or air to remove drill cuttings and other loose debris. Use a stable neat cement grout or a sand cement grout with a minimum 28-Day unconfined compressive strength as required in the Contractor's submitted design. Mix admixtures, if used, in accordance with manufacturer's recommendations. Use grouting Equipment that produces a grout free of lumps and undispersed cement. Equip the pump with a pressure gauge to monitor grout pressures. Place a second pressure gauge at the point of injection. Ensure that the pressure gauges are capable of measuring pressures of at least 150 psi or twice the actual grout pressures used by the contractor, whichever is greater. Size the grouting Equipment to enable the grout to be pumped in one continuous operation. Constantly agitate the grout prior to pumping. Place grout within one hour after mixing the grout or, if admixtures are used, within the time recommended by the manufacturer. Discard grout not placed within the allowed time limit.

Inject the grout from the lowest point of the drillhole by tremie methods until clean, pure grout flows from the top of the Micropile. The grout may be pumped through grout tubes, Casing, hollow-stem augers, or drill rods. Control the grout pressures and grout takes to prevent excess grout take, excessive ground heave, and fracturing of Rock formations. Fill the entire Micropile length with grout containing no voids or inclusions. Subsequent to tremie grouting, all grouting operations must ensure complete continuity of the grout column. The use of compressed air to directly pressurize the fluid grout is not permissible. If required, apply Post-Grouting of Micropiles in accordance with approved Working Drawings and record grout pressures, quantities, mix design, and other relevant Post-Grouting information. Upon completion of grouting, the grout tube may remain in the hole. Fill grout tube with grout if left in place.

(e) Grout Testing - Ensure that grout within the verification and proof test Micropiles attains the minimum required compressive strength, as identified in the Contractor's design submittal, prior to load testing. Previous test results for the proposed grout mix, completed within one year of the start of work, may be submitted for initial verification of the required compressive strengths for installation of pre-production verification test piles and initial production proof test piles.

During production, test the Micropile grout for compressive strength according to AASHTO T 106 (ASTM C109) for grout cubes or AASHTO T 22 (ASTM C39) for cylinders at a frequency of no less than three samples from each grout plant each Day of operation or three samples from each grout plant per every 10 Micropiles, whichever occurs more frequently. Calculate the average of the three samples tested to determine the compressive strength.

Determine grout consistency, as measured by grout density according to AASHTO T 121 (ASTM C138) or API RP-13B-1, at a frequency of at least one test per verification or proof test Micropile, conducted just prior to start of grouting. For production Micropiles, perform grout density testing at a frequency of at least once per each period of continuous grouting operation or once per Day, whichever is more frequent. Ensure that the measured grout density is consistent with the approved Micropile Installation Plan.

Take grout samples directly from the grout plant. Provide grout cube compressive strength and grout density test results to the Engineer within 24 hours of testing.

00515.45 Micropile Splices - Provide steel rebar and permanent Casing splices that develop at least the required compressive, tensile, and bending strengths used in the design of the Micropile. Provide mechanical bar splices meeting the requirements of 00515.10(e). Secure lengths of Casing and reinforcing bars to be spliced in proper alignment and in a manner to avoid eccentricity or angle between the axes of the two lengths to be spliced. Locate Casing joints at least two Casing outside diameters away from any bar splice, as measured along the vertical axis of the Micropile. When multiple reinforcing bars are used, stagger bar splices at least 3.0 feet.

Provide threaded Casing joints that develop at least the required compressive, tensile, and bending strength used in the design of the Micropile. If welding of permanent high strength steel Casing is required,

submit a Welding Procedure Specification (WPS) conforming to AWS D1.1 for review and written approval by the Engineer, prior to any welding operation. Weld all permanent Casing seams and splices using complete penetration welds.

00515.46 Pile Cap Connection - Furnish and install all Materials required to connect Micropiles to pile caps in accordance with the accepted stamped Working Drawings.

00515.47 Pile Load Tests - Perform verification and proof testing of piles at the locations shown, specified, or as directed. Confirm the grout has achieved the minimum required grout compressive strength prior to verification and Proof Load Testing.

Perform tension load testing in accordance with ASTM D3689, except as modified by this subsection.

(a) Verification Load Tests - Perform pre-production verification pile load testing on sacrificial Micropiles to verify the design of the pile system and the construction methods proposed prior to beginning Work on any aspect of production piles. Construct one (1) sacrificial verification test pile in conformance with the approved Working Drawings. Install verification test pile(s) at the following locations:

Verification Test Pile	Station	Offset
VT - 1	Between Sta 29+25 and 29+60 (Court St.)	between 37'LT and 20' LT

Verification test pile locations may be adjusted by the Engineer depending on actual site conditions and other factors. If additional verification test piles are needed, the location will be determined by the Engineer.

Perform Verification Load Tests to verify that the Contractor-installed Micropiles will meet the loading requirements in compression and tension and the load test acceptance criteria, and to verify that the length of the Micropile bond zone is adequate. The Micropile Verification Load Test results must verify the Contractor's design and installation methods, and be reviewed and accepted by the Engineer prior to beginning installation of production Micropiles. For each verification test provide the Micropile Load Test Data Report to the Engineer within 5 Calendar Days of completing the testing.

For verification test piles, use the drilling and grouting methods, Casing and reinforcement details, depth of embedment (bond zone), and all other installation Materials and methods specified for the production piles, unless otherwise approved by the Engineer. At the completion of verification testing, remove test piles down to 2 feet below Roadway Subgrade or as directed.

(1) Testing Equipment and Data Recording - Provide dial gauges, dial gauge support, jack and pressure gauges, load cells and a reaction frame for use in testing the Micropiles. The load cell is required only for the Creep test portion of the verification test.

Provide a description of test setup and jack, pressure gauge, and load cell calibration curves according to 00515.05. Design the testing reaction frame to be sufficiently rigid and of adequate dimensions to prevent excessive deformation of the testing Equipment. Align the jack, bearing plates, and stressing anchorage such that unloading and repositioning of the Equipment will not be required during the test.

Apply and measure the test load with a hydraulic jack and pressure gauge. Provide a pressure gauge graduated in 100 psi increments or less. Provide a jack and pressure gauge with a pressure range

not exceeding twice the anticipated maximum test pressure. Provide a jack ram travel sufficient to allow the test to be completed without resetting the Equipment. Position the jack at the beginning of the test such that unloading and repositioning during the test will not be required. Monitor the Creep test load hold during verification tests with both the pressure gauge and the load cell. Use the load cell to accurately maintain a constant load hold during the Creep test load hold increment of the verification test.

Measure the pile top movement with a dial gauge capable of measuring to 0.001 inch. Provide a dial gauge having a sufficient travel to allow the test to be completed without having to reset the gauge. Visually align the gauge to be parallel with the axis of the Micropile and support the gauge independently from the jack, pile, or reaction frame. Use a minimum of two dial gauges when the test setup requires reaction against the ground or single reaction piles on each side of the test pile. Record the required load test data and supply the results to the Engineer.

(2) Verification Test Loading Schedule - Test verification piles designated for compression or tension load testing to a maximum test load of 1.5 times the Factored Design Loads provided in 00515.04 or as shown. Measure the pile top movement at each load increment. Start the load-hold period as soon as each test load increment is applied. Reset dial gauges to zero after the initial AL is applied.

Incrementally load the Micropile in accordance with the following cyclic load schedule for both compression and tension loading as indicated in Table 00515-2:

AL = Alignment Load (≤ 0.04FDL)
FDL = Factored Design Load

TABLE 00515-2

Loading Cycle	Increment	Load	Hold Time (min.)
AL	1	AL	2.5
Cycle 1	2	0.075 FDL	4
	3	0.15 FDL	4
	4	0.225 FDL	4
	5	0.30 FDL	4
	6	0.375 FDL	4
Cycle 2	7	AL	1
	8	0.15 FDL	1
	9	0.30 FDL	1
	10	0.375 FDL	1
	11	0.45 FDL	4
	12	0.525 FDL	4
	13	0.60 FDL	4
	14	0.675 FDL	4
	15	0.75 FDL	4
Cycle 3	16	AL	1
	17	0.30 FDL	1
	18	0.60 FDL	1
	19	0.675 FDL	1
	20	0.75 FDL	1
	21	0.825 FDL	4
	22	0.90 FDL	4
	23	0.975 FDL	60* (Creep Test)
	24	AL	1
	25	0.30 FDL	1

Loading Cycle	Increment	Load	Hold Time (min.)
Cycle 4	26	0.60 FDL	1
	27	0.90 FDL	1
	28	0.975 FDL	1
	29	1.05 FDL	4
	30	1.125 FDL	4
	31	1.20 FDL	4
	32	1.275 FDL	4
	33	1.35 FDL	4
	34	1.425 FDL	4
	35	1.50 FDL	4
	36	1.20 FDL	4
	37	0.90 FDL	4
	38	0.60 FDL	4
	39	0.30 FDL	4
	40	AL	15

* Measure and record pile movement during the Creep test at intervals of 1, 2, 3, 4, 5, 6, 10, 20, 30, 50, and 60 minutes as soon as the test load is applied.

(3) Verification Test Pile Acceptance Criteria - The acceptance criteria for Micropile Verification Load Tests are:

The pile sustains the first compression or tension _1.0___ FDL test load with no more total movement at the top of the pile than the theoretical structural elongation of the reinforcing bar plus 0.25 inch geotechnical movement at the top of the pile, relative to the top of the pile prior to the start of testing.

At the end of the __0.975__ FDL Creep test load increment, test pile Creep rate does not exceed 0.04 inch/log cycle time (1 to 10 minutes) or 0.08 inch/log cycle time (6 to 60 minutes or the last log cycle if held longer) and the Creep rate is linear or decreasing throughout the Creep load hold period.

Failure does not occur at the __1.5__ FDL maximum test load. Failure is defined as the load where the slope of the load versus head deflection curve (at the end of increment) first exceeds 0.025 inch/kip.

Submit a Micropile Load Test Data Report, according to 00515.48. The Engineer will respond within 5 Calendar Days after receipt of the report with either acceptance or rejection of the tested Micropile.

(4) Verification Test Pile Rejection - If a verification-tested Micropile fails to meet the acceptance criteria, modify the design, the construction procedure, or both. These modifications may include modifying the installation methods, increasing the Bond Length, or changing the Micropile type. Submit to the Engineer any modifications that necessitate changes to the Structure. Do not proceed with further Micropile testing or construction without approval from the Engineer.

(b) Proof Load Tests - Perform Proof Load Tests on one production pile at each designated Substructure unit (footing) unless otherwise directed. The Engineer will determine which pile is to be tested in each Substructure unit. Proof test Micropiles are required at the following Substructure unit locations:

Proof Test Pile (PT)	Location	Footing
PT - 1	1St Street	N/A
PT – 2	Court St.	N/A

Proof Load Test locations may be adjusted by the Engineer. The Engineer will designate the location of additional proof test piles.

Perform Proof Load Tests to verify the production Micropiles will meet the loading requirements in compression and tension and the load test acceptance criteria. For each proof test, provide the Micropile Load Test Data Report to the Engineer within 5 Calendar Days of completing the testing.

(1) Proof Test Loading Schedule - Test piles designated for compression or tension Proof Load Testing to a maximum test load of 1.0 times the Micropile Factored Design Load(s) provided in 00515.04 or as shown. Provide testing Equipment and data recording devices in accordance with 00515.47(a)(1). Incrementally load the proof test Micropiles according to Table 00515-3, to be used for both compression and tension loading:

AL = Alignment Load (≤ 0.04FDL)
FDL = Factored Design Load

TABLE 00515-3

Loading Cycle	Increment	Applied Load	Hold Time (min.)
Apply AL	1	AL	2.5
Load Cycle	2	0.10 FDL	4
	3	0.20 FDL	4
	4	0.30 FDL	4
	5	0.40 FDL	4
	6	0.50 FDL	4
	7	0.60 FDL	4
	8	0.70 FDL	4
	9	0.80 FDL	4
	10	0.90 FDL	4
	11	1.00 FDL	10 or 60 minutes*
Unload Cycle	12	0.90 FDL	4
	13	0.75 FDL	4
	14	0.60 FDL	4
	15	0.45 FDL	4

* Where the pile top movement between 1 and 10 minutes exceeds 0.04 inch, maintain the 1.0 FDL increment an additional 50 minutes and measure and record pile movements at 1, 2, 3, 5, 6, 10, 20, 30, 50 and 60 minutes.

Reset dial gauges to zero after the initial AL is applied.

(2) Proof Test Pile Acceptance Criteria - The acceptance criteria for Micropile Proof Load Tests are:

The pile sustains the compression or tension 1.0 FDL with no more total movement at the top of the pile than the theoretical structural elongation of the reinforcing bar plus 0.25 inch geotechnical movement at the top of the pile, relative to the top of the pile prior to the start of testing.

At the end of the 1.0 FDL Creep test load increment, test piles have a Creep rate not exceeding 0.04 inch/log cycle time (1 to 10 minutes) or 0.08 inch/log cycle time (6 to 60 minutes) and the Creep rate is linear or decreasing throughout the Creep load hold period.

Failure does not occur at the 1.0 FDL maximum test load. Failure is defined as the load where the slope of the load versus head deflection curve first exceeds 0.025 inch/kip.

Submit a Micropile Load Test Data Report, according to 00515.48. The Engineer will respond within 5 Calendar Days after receipt of the report with either acceptance or rejection of the tested Micropile.

(3) Proof Test Pile Rejection - If a proof-tested Micropile fails to meet the acceptance criteria, proof test additional Micropiles within that footing or Substructure unit as directed by the Engineer. For failed piles and construction of replacement piles, modify the design, the construction procedure, or both. Modifications may include installing replacement Micropiles, incorporating remaining untested piles at reduced load capacities, post grouting, modifying installation methods, increasing the Bond Length, or changing the Micropile type. Submit to the Engineer any modifications that necessitate changes to the Structure design. Do not proceed with further Micropile testing or construction without the Engineer's approval.

00515.48 Micropile Load Test Data Reports - Report the Micropile verification and Proof Load Test data to the Engineer in the form of a summary report which includes, at a minimum, the following information:

Project description.

Description of site and subsurface conditions including information on the subsurface conditions encountered at the load test location.

A listing of key personnel involved with the testing and production of the Micropile including the grout plant operator, drill rig operator, on-site supervisor and Micropile engineer.

Results of the load test, including completed testing field data records for load increments and time periods in 00515.47(a)(2) and 00515.47(b)(1), and appropriate presentation figures, charts and graphs. Record the required load test data and submit to the Engineer for verification.

Statement of load testing requirements and acceptance criteria according to 00515.47(a)(3), 00515.47(a)(4), 00515.47(b)(2), and 00515.47(b)(3).

Comparison of load testing results and acceptance criteria.

Summary statement of load test results, including whether the load test met or failed to meet the criteria.

Hydraulic jack pressure gauge and load cell calibration report.

Material certifications or check sample results for permanent Casing (if used), reinforcement, and grout compressive strength testing.

Submit the Micropile Load Test Data Report as a Stamped Working Drawing according to 00515.05(b)(5).

00515.49 Micropile Installation Log - Prepare and submit a Micropile Installation Log to the Engineer for each Micropile installed, within 24 hours of Micropile installation. A copy of the Micropile Installation Log is available from the ODOT Construction Forms website at:

https://www.oregon.gov/ODOT/Construction/Pages/Forms.aspx

At a minimum, include the following information:

Micropile drilling duration

Description of Soil and Rock encountered

Final tip elevation

Cutoff elevations for the top and bottom of the Casing

Nominal Resistance

Description of unusual installation behavior or conditions

Grout pressures attained during grouting

Grout quantities pumped into Micropiles

Micropile Materials and dimensions

Measurement

00515.80 Measurement - The quantities of Work performed under this Section will be measured according to the following:

(a) Furnish Micropile Equipment - No measurement of quantities will be made for furnishing Micropile Equipment.

(b) Micropiles - Micropiles will be measured on the unit basis for each production Micropile installed and accepted.

(c) Micropile Verification Load Test - Micropile Verification Load Tests will be measured on the unit basis for each for Verification Load Test pile constructed, tested, and accepted. Micropile Verification Load Tests performed at the option of the Contractor will not be measured.

(d) Micropile Proof Load Test - Micropile Proof Load Tests will be measured on the unit basis for each Proof Load Test completed, reported, and accepted. Micropile Proof Load Tests performed at the option of the Contractor will not be measured.

Payment

00515.90 Payment - The accepted quantities of Work performed under this Section will be paid for at the Contract unit price, per unit of measurement, for the following item(s):

	Pay Item	**Unit of Measurement**
(a)	Furnish Micropile Equipment	Lump Sum
(b)	Micropiles	Each
(c)	Micropile Verification Load Test	Each
(d)	Micropile Proof Load Test	Each

Partial payments for Item (a) will be made as follows:

When drilling Equipment is on the job, assembled and Verification Load Test drilling is underway 75%

When the installation of the Micropiles is complete, accepted and the drilling Equipment has been removed from the site 25%

Item (b) includes designing, drilling, furnishing, and placing all steel reinforcement and Casing, grouting, and all Micropile top attachments. No payment will be made for Micropiles that fail Micropile Proof Load Tests.

Item (c) includes payment for furnishing all Materials, Equipment, and labor required to construct sacrificial Verification Load Test piles, conduct the load test, and report the results as specified. No payment will be made for failed Micropile Verification Load Tests.

Item (d) includes payment for furnishing all Materials, Equipment, and labor required to conduct Proof Load Tests, and report the results as specified. No payment will be made for failed Micropile Proof Load Tests.

Payment will be payment in full for furnishing and placing all Materials, furnishing, erecting, maintaining, and replacing all Equipment, and for all labor and Incidentals necessary to complete the Work as specified.

SECTION 00530 - STEEL REINFORCEMENT FOR CONCRETE

Comply with Section 00530 of the Standard Specifications modified as follows:

00530.10 Materials - Replace this subsection, except for the subsection number and title, with the following:

Concrete Inserts 02513.35
Deformed Bar Reinforcement 02510.10
Deformed Bar Reinforcement (Stainless Steel) 02513.10
Dowels 02510.50
Dowels (Stainless Steel) 02513.50
Epoxy Coated Reinforcement 02510.11
Galvanized Coating 02510.30
Headed Bar Reinforcement 02510.25
Mechanical Splices 02510.20
Mechanical Splices (Stainless Steel) 02513.20
Ties and Supports 02510.60
Ties and Supports (Stainless Steel) 02513.60
Welded Wire Reinforcement 02510.40

00530.41(a) Fabric - Replace this subsection with the following subsection:

00530.41(a) Welded Wire Reinforcement - If welded wire reinforcement is shipped in rolls, straighten it into flat sheets before placing.

00530.41(b) Ties and Supports – Replace the bullet that begins “When stainless steel rebar is specified…” with the following bullet:

- When stainless steel reinforcing is specified, use stainless steel ties and supports meeting the requirements of 02513.60.

Delete the bullet that begins “Tie stainless steel reinforcement …”.

Delete the bullet that begins “Support stainless steel reinforcement…”.

Replace the bullet that begins "Do not allow direct contact between stainless …" with the following bullet:

- Do not allow stainless steel reinforcement to directly contact ASTM A1035 CS reinforcement. Do not allow stainless steel reinforcement or ASTM A1035 CS reinforcement in direct contact with other reinforcement with a different type of metal. When stainless steel or ASTM A1035 CS reinforcing or dowels are located near other reinforcing with a different type of metal, use nylon or polyethylene spacers to maintain a minimum 1 inch clearance between the two metals and bind them with nylon cable ties. Where insufficient space exists to maintain this minimum, either bar may be sleeved with a continuous polyethylene or nylon tube extending at least 1 inch in each direction past the point of closest contact between the two dissimilar bars.

Add the following bullets to the end of the bullet list:

When ASTM A1035 CS reinforcing is specified, use epoxy coated ties and supports meeting the requirements of 02510.60(a).

00530.43 Splicing Welded Wire Fabric – Replace this subsection with the following subsection:

00530.43 Splicing Welded Wire Reinforcement - Overlap sheets of welded wire reinforcement as shown or provide edge and end laps not less than one mesh in width. Securely fasten sheets at the ends and edges according to 00530.41.

00530.80(a) Lump Sum - Add the following to the end of this subsection:

The estimated quantity for uncoated reinforcement in pounds is:

Structure Name	Grade 60
Reinforced Concrete Sidewalk on gabion wall	Not Included. Incidental to reinforced sidewalk
Elevated sidewalk and supports	2,500 LBS

00530.90 Payment - Replace this subsection, except for the subsection number and title, with the following:

The accepted quantities of reinforcement will be paid for at the Contract unit price, per unit of measurement, for the following items:

Pay Item **Unit of Measurement**

(a) Reinforcement, Grade _____ ..... Lump Sum or Pound
(b) Reinforcement, ASTM A1035 _____..... Lump Sum or Pound (c) Coated Reinforcement, Grade ____ ..... Lump Sum or Pound
(d) Coated Reinforcement, ASTM A1035 _____ ..... Lump Sum or Pound
(e) Stainless Steel Reinforcement, Grade ____,..... Lump Sum or Pound
(f) Welded Wire Reinforcement, Grade ____..... Lump Sum or Pound

In items (a), (c), (e), and (f) the grade of reinforcement will be inserted in the blank.

In items (b) and (d) the ASTM chromium content, CS, CM, or CL will be inserted in the blank.

Item (a) and (b) include fabricating and placing uncoated reinforcement as specified.

Item (c) and (d) include placing epoxy coated reinforcement as specified.

Item (e) includes fabricating and placing stainless steel reinforcement as specified.

Item (f) includes fabricating and placing welded wire reinforcement as specified.

Payment for reinforcement will be made when the reinforcement is incorporated into the concrete.

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

No separate or additional payment will be made for clips, wire, separators, wire chairs, or other Material used in fastening the reinforcement in place.

SECTION 00535 - RESIN BONDED ANCHOR SYSTEMS

Replace Section 00535 of the Standard Specifications with the following Section 00535:

SECTION 00535 - POST-INSTALLED ANCHOR SYSTEMS

Comply with Section 00535 of the Standard Specifications modified as follows:

00535.01 Required Submittals - Add the following to the end of the subsection:

Submit the anchor system manufacturer's installation instructions at least 21 Calendar Days before installation.

00535.40 Construction - Replace the paragraph that begins “Install the anchor system according …” with the following paragraph:

Install the anchor system according to the manufacturer's installation instructions and to the embedment depths shown.

00535.40(a) General - Replace the paragraph that begins “Clean holes with a nonmetallic…” with the following paragraph:

Drill and clean holes according to the manufacturer’s installation instructions. Protect drilled and cleaned holes from contamination. If a drilled hole becomes contaminated, as determined by the Engineer, re-clean the hole.

SECTION 00540 - STRUCTURAL CONCRETE

Comply with Section 00540 of the Standard Specifications modified as follows:

Add the following subsection:

00540.10(a) Pigmented Sealer - Furnish a semi-opaque, or opaque, 100% acrylic or acrylic co-polymer resin concrete sealer meeting the following requirements:

Property	Test Method	Requirement
UV Resistance	ASTM D5894	5000 hour exposure
Wind Driven Rain Resistance	ASTM D6904 reference FED TT-P-555B	No visible leaks
Permeance	ASTM E96/E96M or ASTM D1653	Minimum 10 perms
Fungal Growth	FED STD 141	No fungal growth after 21 Days

Provide colors and color samples as shown or directed. Furnish a sealer designated for vertical application when applied to walls. When applied to structures with soffits or overhangs, furnish a sealer that is designated for vertical and overhead application.

Furnish pigmented sealer color that conforms to the following colors:

Light Gray, conforming to SAE AMS-STD-595C color #36375.

00540.50(d) Deck Sidewalk and Curb Ramp Finish - Replace this subsection, except for the subsection number and title, with the following:

Finish concrete surfaces on pedestrian facilities including but not limited to sidewalks, curb ramps and pedestrian structures that contain a Pedestrian Accessible Route according to 00759.50.

00540.51(b) Curing Concrete Bridge Decks – Replace the bullet that begins "Maintain a continuous water…" with the following bullet:

- Except for HPC(IC), maintain a continuous water cure of the concrete surface for 14 Days. For HPC(IC), maintain a continuous water cure of the concrete surface for 7 Days.

00540.53(d) Concrete Coating – Replace the paragraph that begins "Apply either a concrete paint…" with the following paragraph:

Apply either a concrete paint or a pigmented sealer as shown or specified. Where a Class 1 or Class 2 surface finish is shown, apply a concrete paint unless specified or shown otherwise.

00540.53(d)(2) Penetrating Concrete Stain or Sealer - Replace this subsection with the following subsection:

00540.53(d)(2) Pigmented Sealer - Prepare concrete surfaces and apply 2 coats of the pigmented sealer according to the manufacturer's recommendations. Follow all recommended curing schedules for newly placed concrete prior to application and for recoat or repair. Monitor and follow all environmental limitations as published by the manufacturer during application, and curing.

00540.80(a)(1) Lump Sum - Add the following to the end of this subsection:

The estimated quantity of concrete is:

Elevated Sidewalk and Substructure

Type and Class	Quantity (Cu. Yd.)
Deck Concrete, Class 5,000	33
General Structural Concrete, Class 4,000	26

SECTION 00560 - STRUCTURAL STEEL BRIDGES

Comply with Section 00560 of the Standard Specifications modified as follows:

00560.04 Erection Plan - Replace this subsection, except for the subsection number and title, with the following:

Submit an erection plan with unstamped Working Drawings according to 00150.35 at least 21 Calendar Days before the start of the steel erection Work. Include the proposed erection method and the amount and character of Equipment to be used for review. Do not perform Work until approval has been obtained.

This review does not relieve the Contractor of the responsibility for the safety of the method or Equipment, or from carrying out the Work in full according to the Plans and Specifications.

00560.29(d)(1)(a)(2) Verification Testing – Replace the paragraph that begins "First, demonstrate the method…" with the following paragraph:

First, use a calibrated torque wrench to estimate the snug-tight condition to be used on the final product. Record the snug-tight tension and the torque used to achieve tension. Calibrate the torque wrench annually.

00560.29(d)(2)(a)(2) Verification Testing – Replace the paragraph that begins "First, demonstrate the method…" with the following paragraph:

First, use a calibrated torque wrench to estimate the snug-tight condition to be used on the final product. Record the snug-tight tension and the torque used to achieve tension. Calibrate the torque wrench annually. Match mark the bolt, nut, and plate.

00560.29(d)(2)(c) Inspection – Replace Table 00560-3 with the following table:

Table 00560-3
Nut Rotation from Snug-Tight Condition [1,2]
Disposition of Outer Faces of Bolted Parts

Bolt Length[3] (underside of head to end of bolt)	**Both faces normal to bolt axis**	**One face normal to bolt axis and other sloped not more than 1:20 (beveled washer not used)**	**Both Faces sloped not more than 1:20 from normal to bolt axis (beveled washer not used)**
Up to and including 4 diameters	1/3 turn	1/2 turn	2/3 turn
Over 4 diameters but not exceeding 8 diameters	1/2 turn	2/3 turn	5/6 turn
Over 8 diameters but not exceeding 12 diameters	2/3 turn	5/6 turn	1 turn

[1] Nut rotation is relative to bolt, regardless of the element (nut or bolt) being turned. For all required nut rotations, the tolerance is plus 60 degrees (1/6 turn) and minus 0 degrees.

[2] Applicable only to joints in which all material within the grip is steel.

[3] No research has been performed by the Research Council on Structural Connections to establish the turn-of-nut procedure for bolt lengths exceeding 12 diameters. Therefore, the required rotation shall be determined by actual test in a suitable tension measuring device according to 00560.29(d)(2).

Add the following subsection:

00560.40(j) Surface Finish (Non-Coated Weathering Steel Only) -

(1) Sandblast and Mill Scale Removal – Sandblast all exposed surfaces of AASHTO M 270 (ASTM A709), non-coated weathering steel, according to SSPC-SP6, *Commercial Blast Cleaning, SSPC's Steel Structures Painting Manual*. Visually verify the appearance of the blast-cleaned surface using Pictorial Standard Sa 2 of SSPC-VIS 1, *Pictorial Surface Preparation Standards for Painting Steel Surfaces*.

(2) Exterior Face of Fascia Girders – Brush-off blast clean, according to SSPC-SP7, *Brush-Off Blast Cleaning, SSPC's Steel Structures Painting Manual* to achieve a uniform surface finish and patina immediately after fabrication and prior to environmental exposure. After brush-off blast, and prior to environmental exposure or shipping, pressure wash exterior faces of fascia girders with a stream of potable water to ensure uniform weathering and patina.

(3) All Non-Coated Weathering Steel – Prior to environmental exposure, clean all exposed surfaces that do not receive a brush-off blast clean according to SSPC-SP 1, *Solvent Cleaning, SSPC's Steel Structures Painting Manual* to remove all visible oil, grease, dust, dirt, drawing and cutting compounds, and other visible contaminants.

(4) Post-Fabrication Sandblast – If, as determined by the Engineer, the uniform weathering properties of the steel have been compromised and solvent cleaning is unable to adequately clean the surface, sandblast all exposed surfaces after fabrication and prior to shipment according to SSPC-SP 6. Pressure wash sandblasted surfaces with a stream of potable water to ensure uniform weathering and patina.

00560.70 Finish (Non-Coated Weathering Steel Only) – Replace this subsection with the following subsection:

00560.70 Surface Finish Cleanup (Non-Coated Weathering Steel Only) – At all times during fabrication, shipping, and installation, promptly clean exposed surfaces of steel contaminated with stains, oil or foreign material to preserve conditions for uniform weathering of steel. The use of acids to remove scale and stains in the field is not allowed.

00560.80 Measurement - Add the following to the end of this subsection:

The estimated quantity of structural steel is:

Structure	Steel Type	Quantity (Pound)
Elevated sidewalk	See Plans	5,100

SECTION 00596A - MECHANICALLY STABILIZED EARTH RETAINING WALLS

Comply with Section 00596A of the Standard Specifications modified as follows:

00596A.01 Proprietary MSE Walls - Add the following to the end of this subsection:

Select one of the following preapproved proprietary MSE retaining wall systems for the walls, as shown:

Gabion-Faced MSE Retaining Wall System, provided by Hilfiker Retaining Walls^{R} , telephone: 800-762-8962.

00596A.04(b) Design Calculations - Add the following to the end of this subsection:

The following retaining wall design parameters have been established for this Project:

Structures Wall A and Wall B : See Plans for location and extent

Foundation soil unit density 115 lbs./cu. ft.
Foundation soil angle of internal friction 28 degrees
Foundation soil nominal (unfactored) bearing resistance 4,500 lbs./sq. ft.
Retained soil unit density 125 lbs./cu. ft.
Retained soil angle of internal friction 30 degrees
Peak ground acceleration coefficient (*PGA*) 0.14g
Site class D
Peak seismic ground acceleration coefficient
modified by zero period site factor (A_s) 0.21g
Horizontal seismic acceleration coefficient (k_h) 0.10g
Minimum length of soil reinforcement
for overall stability (see Plans)
Minimum length of soil reinforcement
for external stability (see Plans)

00596A.12(c)(1) Concrete - Replace this subsection, except for the subsection number and title, with the following:

Furnish Class 4000 structural concrete meeting the requirements of Section 02001. Provide aggregate with 3/4 inch or greater maximum nominal aggregate size.

00596A.12(e)(1) Portland Cement Concrete - Add the following paragraph to the end of this subsection:

Furnish Class 4000 structural concrete meeting the requirements of Section 02001.

00596A.80 Measurement - Add the following to the end of this subsection:

The estimated quantities of retaining walls are:

Structure Wall A :

Station Limits	**Area**
See Plans	3,600 sq. ft.

Structure Wall B :

Station Limits	**Area**

See Plans 2,700 sq. ft.

SECTION 00610 – RECONDITIONING EXISTING ROADWAY

Comply with Section 00610 of the Standard Specifications.

SECTION 00620 – COLD PLANE PAVEMENT REMOVAL

Comply with Section 00620 of the Standard Specifications.

SECTION 00640 – AGGREGATE BASE AND SHOULDERS

Comply with Section 00640 of the Standard Specifications.

SECTION 00730 – EMULSIFIED ASPHALT TACK COAT

Comply with Section 00730 of the Standard Specifications modified as follows:

00730.90 Payment – Replace this subsection, except for the subsection number and title, with the following:

No separate or additional payment will be made for Emulsified Asphalt tack coat. Approximately 9 Tons of Emulsified Asphalt in tack coat will be required on this Project.

SECTION 00744 – ASPHALT CONCRETE PAVEMENT

Comply with Section 00744 of the Standard Specifications modified as follows:

00744.11(a) Asphalt Cement – Add the following to the end of this subsection:

Provide 64-22 grade asphalt cement for this Project.

00744.44(a)(2) Wearing Course – Replace the paragraph that begins "Construct longitudinal joints …" with the following paragraph:

Construct longitudinal joints six inches from permanent lane markings, or as shown or directed.

SECTION 00756 – PLAIN CONCRETE PAVEMENT

Comply with Section 00756 of the Standard Specifications modified as follows:

00756.15(a) Concrete Mixture – Add the following bullet item to the section:

- Sample and test according to the MFTP.

Comply with Section 00759 of the Standard Specifications.

SECTION 00760 - UNIT PAVERS

Section 00760, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00760.00 Scope - This Work consists of furnishing and installing masonry unit pavers on aggregate base with bedding and joint sand at locations shown or directed.

Materials

00760.10 Unit Paving Material - Obtain each type of unit paver, joint sand material, and leveling bed material from a single source with resources to provide materials and products of consistent quality in appearance and physical properties. Furnish pavers and related materials meeting the following requirements:

Paving Unit Type - Pedestrian and light-vehicular rated clay brick unit pavers according to ASTM C902. Provide brick without frogs or cores in surfaces exposed to view in the completed Work. Efflorescence of brick rated "not effloresced" when tested according to ASTM C67.

Unit Color - Dark Ironspot (Type 1); Medium Ironspot #46 (Type 2); Medium Ironspot #77 (Type 3).

Unit Size - 3-5/8 by 11-5/8 inches (4 by 12 inches nominal).

Unit Strength - 8,000 psi with a maximum of 5 percent absorption (ASTM C 936)

Joint Sand - Fine, sharp, washed, natural sand or crushed stone with 100 percent passing No. 16 sieve and no more than 10 percent passing No. 200 sieve.

Leveling Bed - Bedding layer of sound, sharp, washed, natural sand or crushed stone complying with gradation requirements in ASTM C33/C33M for fine aggregate; modified for 100 percent passing the 3/8 inch sieve and no more than 10 percent passing the No. 100 sieve and no more than 1 percent passing the No. 200 sieve.

Aggregate Base - 3/4" – 0 dense-graded aggregate base according to 02630.

Edge Restraint - Manufacturer's standard triangular PVC extrusions 1-3/4 inches high by 3-1/2 inches wide designed to serve as edge restraints for unit pavers; rigid type for straight edges; with pipe connectors and 3/8-inch diameter by 12-inch-long steel spikes.

Equipment

00760.20 Paver Vibration - As a recommendation for proper paver installation, utilize low-amplitude plate vibrator capable of a 3500- to 5000-lbf compaction force at 80 to 90 Hz. Use vibrator with neoprene mat on face of plate or other means as needed to prevent cracking and chipping of pavers. Utilize plate vibrator if space is available to safely operate.

Labor

00760.30 Personnel Qualifications - Installer shall be a qualified unit paving installer. Installer must have Concrete Paver Installer Certification from the Interlocking Concrete Pavement Institute (ICPI) with a Commercial Paver Technician Designation.

Construction

00760.40 General - Install pavers according to the manufacturer's instructions. Examine surfaces indicated to receive unit paving, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

Prior to full installation of unit pavers, construct an example unit paver profile mockup, including bases and geotextile, approximately 4 feet wide by 30 feet in length and obtain acceptance by Engineer. Mockups will verify selections made under submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution. Approved mockups may become part of the completed Work if adheres to specified requirements and is undisturbed at time of final acceptance.

Do not use frozen materials or materials mixed or coated with ice or frost. Do not build on frozen subgrade or setting beds.

00344.41 Preparation - Before starting subgrade Work, including backfill, complete all underground Work contemplated in the area of the Subgrade. This requirement includes Work by the Contractor, by the Agency, or by others. Drain all depressions or ruts which contain water.

00760.42 Subgrade Preparation - Compact subgrade to 95 percent of maximum density according to 00330.43.

00760.43 Aggregate Base Placement - Place new aggregate base materials according to 00641.

00760.45 Leveling Bed - Place subgrade geotextile over aggregate base after curing period. Turn geotextile edges up vertically along unit paver edge as shown and at light pole foundations, and utility boxes, or any similar object perforation through unit paver profile. Cut geotextile below unit paver edge.

Place leveling bed and screed to grade with added water to thickness of approximately + 1 inch, taking care that moisture content remains constant and density is loose and uniform until unit pavers are set and compacted. Leveling bed shall be a minimum of 1 inch to a maximum 1-1/2 inches depth after final unit paver installation.

00760.46 Unit Paver Installation:

Remove substances from aggregate base layer that could affect leveling bed installation.

Do not use unit pavers with chips, cracks, voids, discolorations, or other defects that might be visible or cause staining in finished work.

Mix pavers from several pallets or cubes, as they are placed, to produce uniform blend of colors and textures.

Only cut pavers with a motor-driven masonry saw where necessary to fit pattern to edges. All cuts shall be clean, sharp, and have unchipped edges. Use full units without cutting, where possible.

Install pavers only after vertical edges to constrain pavers are constructed. Install plastic edge restraints, as shown, before placing unit pavers. Install edge restraints to comply with manufacturer's written instructions. Install stakes at intervals required to hold edge restraints in place during and after unit paver installation.

Lay pavers in one-half running-bond pattern with unit paver colors according to 00760.10 and as indicated. Set pavers with a minimum joint width of 1/16 inch and a maximum of 1/8 inch, being careful not to disturb leveling bed.

Vibrate pavers into leveling bed with a low-amplitude plate vibrator, or approved similar method. Perform at least three passes across paving with vibrator.

00760.47 Joint Sand and Compaction:

After placing pavers, spread and sweep dry joint sand and fill joints immediately after vibrating pavers into leveling bed. Vibrate pavers and add sand until joints are completely filled, then remove excess sand. Leave a slight surplus of sand on the surface for joint filling.

Before ending each day's work and when rain interrupts work, cover pavers that have not been compacted and cover leveling course on which pavers have not been placed with nonstaining plastic sheets to protect them from rain.

Do not allow traffic on installed pavers until sand has been vibrated into joints.

Repeat joint-filling process 30 days later.

Remove and replace unit pavers that are loose, chipped, broken, stained, or otherwise damaged or that do not match adjoining units. Provide new units to match adjoining units and install in same manner as original units, with same joint treatment and with no evidence of replacement.

00760.48 Unit Paver Surface Tolerance - Do not deviate the longitudinal and transverse surface grades by more than 1/4 inch in 12 feet. Do not exceed 1/16-inch unit-to-unit offset from flush (lippage). Set unit pavers above adjacent paving as shown to account for future settlement.

00760.49 Clean Up - Remove excess sand and broken paving material from the site when complete.

Measurement

00760.80 Measurement - The quantities of unit pavers will be measured on the area basis.

Payment

00760.90 Payment - The accepted quantities of unit pavers will be paid for at the Contract unit price, per square foot for the item "Unit Pavers".

Payment will be payment in full for furnishing and placing all Materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

No separate or additional payment will be made for bases required under unit pavers, hauling or shipping of materials, preparation or installation, edge restraints, or geotextiles.

SECTION 00810 – METAL GUARDRAIL

Comply with Section 00810 of the Standard Specifications.

SECTION 00850 – COMMON PROVISIONS FOR PAVEMENT MARKINGS

Comply with Section 00850 of the Standard Specifications.

SECTION 00860 – LONGITUDINAL PAVEMENT MARKINGS – PAINT

Comply with Section 00860 of the Standard Specifications.

SECTION 00867 – TRANSVERSE PAVEMENT MARKINGS – LEGENDS AND BARS

Comply with Section 00867 of the Standard Specifications.

SECTION 00905 – REMOVAL AND REINSTALLATION OF EXISTING SIGNS

Comply with Section 00905 of the Standard Specifications.

SECTION 00920 – SIGN SUPPORT FOOTINGS

Comply with Section 00920 of the Standard Specifications modified as follows:

00920.80 Measurement – Add the following to the end of this subsection:

The estimated quantities of concrete for minor sign supports are:

Support Type	Quantity
Pipe Sign Supports	2.14 cu. Yd.

SECTION 00930 – METAL SIGN SUPPORTS

Comply with Section 00930 of the Standard Specifications modified as follows:

00930.80 Measurement – Add the following to the end of this subsection: The estimated quantities of structural steel are as follows:

Item Estimated	Quantity (Pound)
Minor Sign Supports	

SECTION 00940 – SIGNS

Comply with Section 00940 of the Standard Specifications.

SECTION 00950 – REMOVAL OF ELECTRICAL SYSTEMS

Comply with Section 00950 of the Standard Specifications.

SECTION 00960 – COMMON PROVISIONS FOR ELECTRICAL SYSTEMS

This section shall be replaced in full with the following:

Comply with the Northern Wasco County People's Utility District Standards and Requirements for all common provisions related to the lighting system.

SECTION 00962 – METAL ILLUMINATION AND TRAFFIC SIGNAL SUPPORTS

This section shall be replaced in full with the following:

All light poles and supports will be provided by the Northern Wasco County People's Utility District. Installation of light pole bases shall comply with the Northern Wasco County People's Utility District Standards and Requirements.

SECTION 00970 – HIGHWAY ILLUMINATION

This section shall be replaced in full with the following:

All illumination materials will be provided by the Northern Wasco County People's Utility District.

00970.90 Payment – The accepted quantities of Work performed under this Section will be paid for at the contract unit price, per unit of measurement, for the following items:

Pay Item		Unit of Measurement
(a)	Pole Foundations……	Lump Sum
(b)	Conduit……	Lump Sum

Item (a) includes installation of pre-cast light pole foundations. Foundations will be provided by the Northern Wasco County People's Utility District.

Item (b) includes installation of all conduit required to construct the lighting system as specified. Conduit will be provided by the Northern Wasco County People's Utility District.

SECTION 01040 – PLANTING

Comply with Section 01040 of the Standard Specifications modified as follows:

01040.14 Topsoil - Add the following paragraph to the beginning of this subsection:

Planting Soil mix is a combination of a Topsoil base material, Soil conditioner and other required amendments that are proportioned and mixed in a manufacturing facility prior to installation.

Add the following subsection:

01040.14(d) Planting Soil Mix - Furnish pre-blended planting Soil mix that consists of a Topsoil base material with the addition of Soil Conditioners and other required amendments as necessary, that adheres to the following requirements:

(1) Topsoil - Topsoil base according to 01040.14(a) or imported Topsoil according to 01040.14(b).

(2) Soil Conditioner - Commercially manufactured compost according to 01040.15(b).

(4) Blended Materials - An analysis according to ASTM D5268, or approved equal testing method that separates textural classes according to the USDA Textural Soil Classification system, shall be conducted on all blended materials that meets the following requirements:

Texture Class	Percent (Dry Weight)
Sand	20 - 55
Silt	20 - 50
Clay	7 - 30

In addition, the blended materials shall meet the following requirements:

Loose and friable.
pH: 6 to 8.
Organic matter content (loss on ignition): 5 to 10 percent.
Topsoil shall have less than 1 percent inert debris by volume.
Free of hazardous materials or pathogens and heavy metals by state and federal standards.
Soluble salt concentration less than 3.0 mmhos/cm (dS/m).
No visible free water or saturated conditions at time of delivery.
Gravel, Rock, sticks, and roots may not be larger than 4 inches in any dimension of comprise more than 10 percent of the overall mix.

Add the following subsection:

01040.20(g) Ballast Mulch - Crushed rock, natural color, screened to approximate size between 3/4 inch and 1-1/2 inch, free of fines.

01040.22 Water - Add the following sentence to the beginning of this subsection:

Potable water suitable for plant growth and additional requirements according to 02020.10.

01040.23(e) Root Barrier - Replace this subsection, except for the subsection number and title, with the following:

Black, molded, modular panels 12 inches depth, 85 mils thick, 6 feet in length when attached, and with vertical root deflecting ribs protruding 1/2 inch out from panel surface; manufactured with minimum 50 percent recycled polyethylene plastic with UV inhibitors.

01040.23(f) Tree Grates - Replace this subsection, except for the subsection number and title, with the following:

Furnish tree grates complete with frames, all required attachment hardware, and concrete frame curb meeting the following requirements:

Grates - ASTM A536 Class 80-55-06, domestic gray-iron castings
Frame - ASTM A48, Class 35, domestic gray-iron or similar steel standard and material; of shape, pattern, size and fabrication indicated.
Shape and Size - As indicated.
Finish - As fabricated.
Manufacturer and Product - Olympic Foundry Inc.; "SP" or approved equal.
Concrete Frame Curb - Concrete in frame curbs shall conform to Section 00440.

Add the following subsection:

01040.23(k) Root Ball Stabilization - Rough-sawn, sound, new hardwood, or softwood root ball hold-down system, free of knots, holes, cross grain, and other defects, 2-by-2-inch nominal by length indicated; stakes pointed at one end. Wood screws shall meet the requirements of ASME B18.6.1.

Add the following subsection:

01040.23(l) Filter Fabric - Polypropylene or polyester fabric, 3 oz./sq. yd. minimum, composed of fibers formed into a stable network so that fibers retain their relative position. Fabric shall be inert to biological degradation and resist naturally encountered chemicals, alkalis, and acids.

Add the following subsection:

01040.24 Tree Soil Cells - Furnish modular manufacturer provided tree soil cells designed to structurally hold pavement on top of the system and contains continuous volumes of soil within the cells for tree root expansion. Each cell shall be structurally independent from adjacent cells and design-rated to meet AASHTO H-20 loads when used in conjunction with appropriately designed paving profiles. Cells shall be open on all vertical faces and horizontal planes and shall have no interior walls or diaphragms.

No materials shall be ordered until final installed quantity is verified.

Furnish tree soil cell systems complete with modular cell units, geogrid, geotextiles, aggregate bases, and planting soil mixtures meeting the following requirements:

2x Soil Cell - 2x Tree Soil Cell: One base, six 2x posts, and one deck. Assembled dimensions of each cell are 47.2 inches long by 23.6 inches wide by 30.9 inches high.
Geogrid - Net-shaped woven polyester fabric with PVC coating according to the specs.
Geotextile - Woven separation geotextile according to the specs.
Aggregate Base - According to the specs.
Concrete Frame Curb - Concrete in frame curbs shall conform to Section 00440.
Miscellaneous Parts - Plastic cables ties shall be a tensioning device or tool used to tie similar or different materials together. Wood blocking shall be nominal dimensioned untreated lumber used for spacing assembled soil cells.
Manufacturer and Product - DeepRoot Green Infrastructure, LLC or approved equal.
Manufacturer Contact - Tony Slusser; email: tony@deeproot.com; phone: 415-230-2872.

01040.48(a) Method "A" (Cultivated Planting Areas, Non-lawn) - Replace the paragraph that begins ”Cultivate plant beds to a depth of …” with the following paragraph:

Place pre-blended planting Soil mix on top of the prepared subsoil according to 01040.43(b). Install at a depth of 12 inches in open planting beds and approximately 36 inches deep at tree wells, adjusting depth due to root ball and tree well as indicated.

01040.49 General Planting -

Replace the bullet that begins “Excavate tree plant pits a minimum…” with the following bullet:

Excavate tree plant pits to dimensions indicated and set trees on stable pedestal of existing or recompacted subsoil. Tree plant pits may be excavated prior to planting Soil mix installation or excavated after planting Soil mix is placed. Identify root crown of tree prior to planting and modify root ball as necessary by removing media to locate trunk flare as indicated. Trees without visible root crowns will require replanting.

Replace the bullet that begins “Place the backfill then add Soil amendments…” with the following bullet:

Backfill planting Soil mix in 6 inch lifts around tree root balls, tamping soil around and under the root ball for stabilization. Add biochar to backfill mix at all trees according to manufacturer's instructions for application rates. Moisten backfill completely after placing to eliminate air pockets and minimize settlement of the backfill. Form a shallow (2 inch high) water-holding saucer in the Soil around the plant, unless directed otherwise.

Replace the bullet that begins “Balled and burlapped plants may be placed…” with the following bullet:
Remove all burlap, string, twine and metal baskets from planting pit after root ball is set in the tree pit. Burlap on bottom of root ball may remain in place, after top and sides are cut out. If root ball is cracking or falling apart and all root ball packaging materials are fully biodegradable; completely remove all tie wire, string or twine and fold down and cut out the top half of the root ball packaging.

Add the following subsection:

01040.55(k) Root Ball Stabilization (Wood Hold-Down Method) - Place vertical stakes on sides of root ball and drive them into subsoil; place horizontal wood hold-down stakes across top of root ball and screw at each end to one of the vertical stakes as shown.
Install stakes of length required to penetrate at least to the dimension below bottom of backfilled excavation as indicated. Saw stakes flush at horizontal stake.
Install screws through horizontal hold-down, penetrating at least 1 inch into stakes. Predrill holes if necessary to prevent splitting wood.
Install additional set of stakes at end of horizontal hold downs if additional support is required.

Add the following subsection:
01040.57 Tree Soil Cells - Prior to installation and before ordering materials, submit shop drawings to Engineer for approval. Drawings shall be to scale and indicate all areas to receive tree soil cells and include existing and proposed utilities that are clearly labeled. Proposed and existing field-located utilities or other critical features within work area, including subsurface depths, shall be identified. Include standard and custom details to convey information, as needed. Shop drawings may be produced by approved tree soil cell manufacturer with appropriate information provided to them as needed to create submittal package. Submittal shall include manufacturer-provided specifications that meets performance of the applicable subsection, with a list of all materials provided.
Tree soil cell systems shall be installed to not interfere or disrupt existing or proposed infrastructure including but not limited to sidewalks, utilities, vaults, and structures. Identify any areas where root intrusion may impact adjacent utilities and that could benefit from root protection measures. Install all tree soil cell systems according to manufacturer specifications, approved shop drawings, and for materials as shown. Final extents of cell layouts may differ as initially shown. Indicate type and extents of tree soil cells installed for all as-built record documents.

01040.71 Plant Care and Success Criteria - Add the following to the end of this subsection:

The following watering frequencies are required, regardless if automatic irrigation provided:

Deciduous trees that are 1 1/2-inch caliper and larger; water at a frequency of once a week from the beginning of May through June and twice a week from July through October. Apply 15 gallons of water to plant roots at each watering occurrence.
Apply additional water prior and during extended dry or warm periods as needed to maintain plant health and vigor.

01040.80 Measurement - Add the following sentence to the end of the subsection:

No measurement of quantities will be made for excavation, aggregate base, geotextile, or geogrid installation for tree soil cells systems.

01040.90(f) Mulch - Add the following Pay Item to the Pay Item list:

Pay Item	Unit of Measurement
(g) Ballast Mulch	Cubic Yard

01040.90(g) Miscellaneous - Add the following Pay Item to the Pay Item list:

Pay Item	Unit of Measurement
(f) Tree Soil Cells	Lump Sum

01040.90 Payment - In the paragraph that begins "No separate or additional payment…", add the following bullets to the end of the bullet list:

Root ball stabilization
Filter fabric
Concrete footings, frames, and anchors for tree grates.
Excavation, aggregate base, geotextiles, geogrids, and planting soil mix in tree soil cells.

SECTION 01050 - FENCES

Comply with Section 01050 of the Standard Specifications modified as follows:

01050.00 Scope - Replace this subsection, except for the subsection number and title, with the following:

This Work consists of constructing metal ornamental pedestrian railings to the lines and grades shown or directed.

Add the following subsection:

01050.10 Materials - Replace this subsection with the following subsection:

(a) Ornamental Pedestrian Rail Type 1 - Provide ornamental pedestrian rails meeting the following requirements:

Manufacturer and Product - Ameristar Fencing; "Montage Plus Majestic" (1RMB370F-3) or approved equal.
Type - 3-Rail panels, 6 foot panel height, with flush bottom rail.
Material and Finish - Domestic steel material for fence panels and posts shall conform to the requirements of ASTM A653/A653M, with a minimum yield strength of 45,000 psi and a minimum zinc (hot-dip galvanized) coating weight of 0.60 oz/ft2, Coating Designation G-60.
Color - Black, manufacturer standard finish.
Bracket type as indicated or approved equal.

(b) Ornamental Pedestrian Rail Type 2 - Provide ornamental pedestrian rails meeting the following requirements:

Manufacturer and Product - Ameristar Fencing; "Montage Plus Majestic" (1RMB346F-3) or approved equal.
Type - 3-Rail panels, 4 foot panel height, with flush bottom rail.
Material and Finish - Domestic steel material for fence panels and posts shall conform to the requirements of ASTM A653/A653M, with a minimum yield strength of 45,000 psi and a minimum zinc (hot-dip galvanized) coating weight of 0.60 oz/ft2, Coating Designation G-60.
Color - Black, manufacturer standard finish.
Bracket type as indicated or approved equal.

(c) Ornamental Pedestrian Rail Type 3 - Provide ornamental pedestrian rails meeting the following requirements:

Manufacturer and Product - Ameristar Fencing; "Montage Plus Majestic" (1RMB370F-3) or approved equal.
Type - 3-Rail panels, 6-foot panel height, with flush bottom rail.
Mesh Panel Infill - Expanded metal "X-Span," .75" x #9F or approved equivalent.
Material and Finish - Domestic steel material for fence panels and posts shall conform to the requirements of ASTM A653/A653M, with a minimum yield strength of 45,000 psi and a minimum zinc (hot-dip galvanized) coating weight of 0.60 oz/ft2, Coating Designation G-60.
Color - Black, manufacturer standard finish.
Bracket type as indicated or approved equal.

Add the following subsection:

01050.11 Anchor Bolts (Resin Bonded) - Furnish anchor bolts for resin bonded anchor bolt installation according to 02560.30.

Construction

01050.40 General - Replace the sentence that begins "Confine activities and operations to the area immediately adjacent to the Right-of-Way…" with the following:

Confine activities and operations to the area immediately adjacent to the Right-of-Way line or as indicated.

Add the following subsection:

01050.51 Ornamental Pedestrian Railing -

(a) Concrete Footings and Post Mounting - Construct fence post in concrete footings according to 01050.43(a)(3) and as indicated. When fence post is not installed in a concrete footing, provide custom base plate as indicated and according to manufacturer instructions.

(b) Fence Installation - Install pedestrian railing according to manufacturer instructions including for custom sizes indicated.

(c) Resin Bonded Anchor Installation - Install resin bonded anchors according to Section 00535.

Add the following subsection:

01050.80(j) Ornamental Pedestrian Rails - Ornamental pedestrian rails will be measured on the length basis. Measurements will be from center to center of posts, measured along the line and grade of each separate and continuous run of rail as constructed.

Payment
Add the following subsection:

01050.90(f) Ornamental Pedestrian Rail - Ornamental pedestrian rail will be paid for at the Contract unit price, per unit of measurement, for the following items:

Pay Item		Unit of Measurement
(a)	Ornamental Pedestrian Rail Type 1	Foot
(b)	Ornamental Pedestrian Rail Type 2	Foot
(c)	Ornamental Pedestrian Rail Type 3	Foot

No separate or additional payment will be made for excavation, custom rail panel or post sizes, anchoring systems, anchor plates, or concrete for footings.

SECTION 01095 - SITE FURNISHINGS

Section 01095, which is not a Standard Specification, is included in this Project by Special Provision.

Description

01095.00 Scope - This Work consists of constructing site furnishings such as litter receptacles, bicycle racks, bollards, and ornamental rails as shown or directed.

Materials

01095.10 General:

(a) Litter Receptacles - Provide Agency-furnished litter receptacles according to 00160.30.

(b) Bicycle Racks - Provide Agency-furnished bicycle racks according to 00160.30.

(c) Bollards - Provide bollards meeting the following requirements:

Manufacturer and Product – Sun Valley Lighting; "B21C-CAP" or approved equal.
Color and Finish - Black, manufacturer provided powder coat; smooth finish.
Material - Cast aluminum.

Construction

01095.40 General - Install all site furnishings as shown and according to the manufacturer's recommendations.

Measurement

01095.80 Measurement - The quantities of site furnishings will be measured on the unit basis.

Payment

01095.90 Payment - The accepted quantities of site furnishings will be paid for at the Contract unit price, per unit of measurement, for the following items:

Pay Item		Unit of Measurement
(a)	Litter Receptacles	Each
(b)	Bicycle Racks	Each
(c)	Bollards	Each

Payment will be payment in full for furnishing and placing all Materials including Agency-furnished materials, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as

specified.

SECTION 01120 - IRRIGATION SYSTEMS

Comply with Section 01120 of the Standard Specifications modified as follows:

01120.11(b) Polyvinyl Chloride Pipe and Fittings - Replace the first item of the list and add the following two items to the list:

Used For	Class or Schedule
Main lines	Schedule 40 PVC
Lateral Lines	Class 200 PVC

01120.70 As-Built Plans and System Orientation – Replace this subsection with the following:

01120.70 As-Built Plans and System Orientation - Upon completion of the Work, submit As-Built Drawings showing the Work as constructed. Provide drawings on 8 1/2 inches by 11 inches, 11 inches by 17 inches, or 22 inches by 36 inches sizes. Prepare and present a training and orientation session covering the operation, adjustment and maintenance of the irrigation system. Review corrected drawings and explain all features. Show locations of drain valves, if any, on the drawings. At this session, provide the Engineer with parts lists and service manuals for all Equipment. Notify the Engineer in writing not less than 2 weeks before the proposed date of the training and orientation session. The date and time of the session will be mutually agreed to.

SECTION 01140 – POTABLE WATER PIPE AND FITTINGS

Comply with Section 01140 of the Standard Specifications modified as follows:

SECTION 01150 – POTABLE WATER VALVES

Comply with Section 01150 of the Standard Specifications.

SECTION 01160 – HYDRANTS AND APPURTENANCES

Comply with Section 01160 of the Standard Specifications.

SECTION 01170 – POTABLE WATER SERVICE CONNECTIONS, 2 INCH AND SMALLER

Comply with Section 01170 of the Standard Specifications.

SECTION 02001 - CONCRETE

Comply with Section 02001 of the Standard Specifications.

SECTION 02030 – SUPPLEMENTARY CEMENTITIOUS MATERIALS

Comply with Section 02030, of the Standard Specifications.

SECTION 02050 - CURING MATERIALS

Comply with Section 02050 of the Standard Specifications.

SECTION 02320 - GEOSYNTHETICS

Comply with Section 02320 of the Standard Specifications modified as follows:

Add the following subsection:

02320.10(a)(3) Geomembranes - Furnish geomembranes which meet or exceed the properties specified in 02320.30 for the applicable resin type and thickness.

Add the following subsection:

02320.10(c)(3) Geomembranes - Include the following:

Average roll values for each of the specified properties from the same production run as the delivered material.
Production run number, production plant name, and location.
Manufacturer's name and address.
Full product name and information.
Identify the resin type and location for use referencing the Plans drawing number.

Add the following subsection:

02320.10(d)(4) Geomembrane Testing - Perform the specified tests to determine the geomembrane properties for the type and thickness of membrane.

02320.11 Seam Testing and Acceptance - Replace the title of this subsection with “Geotextile Seam Testing and Acceptance”

Add the following subsection:

02320.12 Geomembrane Seam Testing and Acceptance:

(a) Geomembrane Factory Seams - Factory seams are not allowed in HDPE and LLDPE geomembrane; provide HDPE and LLDPE geomembrane as continuous sheets in rolls. Provide PVC geomembrane with factory seams in the panels to reduce field seaming and testing.

(b) Geomembrane Field Seams - Perform geomembrane field seam testing according to 00350.43.

(Use the following subsection .20 when sediment fence is required.)

02320.20 Geotextile Property Values – Replace Table 02320-3 with the following table:

Table 02320-3 Geotextile Property Values for Sediment Fence [1]

Geotextile Property	ASTM Test Method	Unit	Geotextile Property Requirements Woven and Nonwoven
Grab Tensile Strength (minimum) Machine and Cross Machine Directions	D 4632	lb	120 100
Apparent Opening Size (AOS) (maximum) U.S. Standard Sieve	D 4751	—	30
Permittivity (minimum)	D 4491	sec^{-1}	0.05
Ultraviolet Stability Retained Strength (minimum)	D 4355 (at 500 hours)	%	70

[1] **All geotextile properties are Minimum Average Roll Values (MARV). The test results for any sampled roll in a lot shall meet or exceed the values shown in the table.**

Add the following subsection:

02320.30 Geomembrane Property Values:

Table 02320-7a Property Values for High Density Polyethylene (HDPE) Geomembrane – Textured

Properties	ASTM Test Method	Test Value			
		30 mils	40 mils	50 mils	60 mils
Thickness mils (min. ave.) - mils	D5994	nom. - 5%	nom. - 5%	nom. - 5%	nom. - 5%
Formulated Density (min. ave.) - g/cc	D1505/D792	0.94	0.94	0.94	0.94
Tensile Properties (min. ave.)	D 6693				
• yield strength - lb/in.	Type IV	63	84	105	126
• break strength - lb/in.		45	60	75	90
• yield elongation - %		12	12	12	12
• break elongation - %		100	100	100	100
Tear Resistance (min. ave.) - lb	D1004	21	28	35	42
Puncture Resistance (min. ave.) - lb	D4833	45	60	75	90
Stress Crack Resistance - hr.	D5397 (App)	500	500	500	500
Carbon Black Content (range) - %	D4218	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0

Table 02320-7b Property Values for Linear Low Density Polyethylene (LLDPE) Geomembrane – Textured

Properties	ASTM Test Method	Test Value			
		30 mils	40 mils	50 mils	60 mils
Thickness mils (min. ave.) - mils	D5994	nom. - 5%	nom. - 5%	nom. - 5%	nom. - 5%
Formulated Density (max) - g/cc	D1505/D792	0.94	0.94	0.94	0.94
Tensile Properties (min. ave.)	D 6693				
• break strength - lb/in.	Type IV	30	45	60	75
• break elongation - %		250	250	250	250
2% Modulus - lb/in - (max)	D5323	1200	1800	2400	3000
Tear Resistance (min. ave.) - lb	D1004	11	16	22	27
Puncture Resistance (min. ave.) - lb	D 4833	22	33	44	55
Axi-Symmetric Break resistance Strain (min) - %	D5617	30	30	30	30
Carbon Black Content (range) - %	D4218	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0	2.0 - 3.0

Table 02320-7c Property Values for Non-Reinforced Polyvinyl Chloride (PVC) Geomembrane Used in Buried Applications

Properties	ASTM Test Method	Test Value			
		30 mils	40 mils	50 mils	60 mils
Thickness mils (min. ave.) - mils	D5994	nom. - 5%	nom. - 5%	nom. - 5%	nom. - 5%
Tensile Properties (min.)	D982				
• break strength - lb/in.		73	97	116	137
• break elongation - %		380	430	430	450
• Modulus at 100% - lb/in		30	40	50	60
Tear Strength (min.) - lb	D1004	8	10	13	15
Dimensional Stability (max change) - %	D1204	3	3	3	3
Low Temperature Impact Pass (˚F)	D1790	-20	-20	-20	-20
Specific Gravity (min)	D790	1.2	1.2	1.2	1.2
Water Extraction (max loss) - %	D1239	0.15	0.20	0.20	0.20
Volatile Loss (max loss) - %	D1203	0.70	0.50	0.50	0.50
Soil Burial (max change) - %	G160				
Break Strength		5	5	5	5
Elongation		20	20	20	20
Modulus at 100%		20	20	20	20
Hydrostatic Resistance (min.) - psi	D751	100	120	150	180
Minimum Average Molecular Weight	D8133	400	400	400	400

SECTION 02410 – CONCRETE PIPES

Replace section 02410 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02410 – Concrete Pipes.

SECTION 02415 - PLASTIC PIPE

Replace section 02415 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02415 – Plastic Pipe.

SECTION 02420 – METAL PIPE

Replace section 02420 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02420 – Metal Pipe.

SECTION 02470 – POTABLE WATER PIPE MATERIALS

Replace section 02470 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02470 – Potable Water Pipe Materials.

SECTION 02475 – POTABLE WATER FITTINGS MATERIALS

Replace section 02475 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02475 – Potable Water Fittings Materials.

SECTION 02480 – POTABLE WATER VALVE MATERIALS

Replace section 02480 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02480 – Potable Water Valve Materials.

SECTION 02485 – HYDRANTS

Replace section 02485 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02485 – Hydrants.

02485.10 Hydrants – Replace the first paragraph with the following:

02485.10 Hydrants – Furnish hydrants that are dry-barrel conforming to AWWA C502, manufactured by Mueller or American Flow Control (AFC) and of a pattern approved by the Agency. Hydrants shall be designed for a minimum working pressure of 150 psi.

SECTION 02490 – POTABLE WATER SERVICE CONNECTION MATERIALS, 2 INCH AND SMALLER

Replace section 02490 of the 2024 ODOT Standard Specifications with the 2025 City of The Dalles Standard Specifications Section 02490 – Potable Water Service Connection Materials, 2 Inch and Smaller.

SECTION 02510 - REINFORCEMENT

Comply with Section 02510 of the Standard Specifications modified as follows:

02510.11(c) Coated Reinforcement Ties and Supports - Delete this subsection.

02510.11(d) Epoxy Coating Repair - Delete this subsection.

02510.30(d) Ties and Support - Delete this subsection.

02510.60 Wire Reinforcement - Replace this subsection with the following subsection:

02510.60 Ties and Supports - Provide tie wire and supports according to *CRSI Manual of Standard Practice*.

(a) Coated Reinforcement Ties and Supports – Provide nonmetallic coated ties and supports for coated reinforcement, including ties for coated-to-uncoated reinforcement connections.

(b) **Uncoated Reinforcement Ties and Supports** - Tie all mats of galvanized steel bars with galvanized ties. Provide precast concrete blocks with galvanized ties that support galvanized reinforcement.

SECTION 02530 - STRUCTURAL STEEL

Comply with Section 02530 of the Standard Specifications.

SECTION 02560 - FASTENERS

Comply with Section 02560 of the Standard Specifications modified as follows:

02560.60(a)(1) Method 1 – Replace the paragraph that begins “Continue to tighten the nut until…” with the following:

Continue to tighten the nut until the nut has turned twice the rotation shown in Table 00560-3 of Section 00560 from its snug-tight position mark for bolt lengths up to 8D (for greater than 8D up to 12D bolt lengths tighten to 1 1/6 turn from snug-tight).

SECTION 02690 - PCC AGGREGATES

Comply with Section 02690 of the Standard Specifications.

SECTION 02910 - SIGN MATERIALS

Comply with Section 02910 of the Standard Specifications.

SECTION 02926 - HIGHWAY ILLUMINATION MATERIALS

This section shall be replaced in full with the following:

All illumination materials will be provided by the Northern Wasco County People’s Utility District.

EXHIBIT D

ARCHAEOLOGICAL EXHIBITS

FIRST STREET STREETSCAPE PROJECT
CONTRACT NO. 2025-014

Oregon
Tina Kotek, Governor

Parks and Recreation Department
Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org

STATE OF OREGON
ARCHAEOLOGICAL EXCAVATION and COLLECTION PERMIT
(AP) 4033 for The Dalles First Street

The State of Oregon, acting by and through its Parks and Recreation Department designee, the State Historic Preservation Office (SHPO), hereinafter called STATE, under authority of ORS 390.235, hereby grants to Nicholas Smits affiliated with , a permit for the purposes of archaeological excavation and collection of archaeological objects. This permit is granted subject to the following terms and conditions.

1. Duration This permit is active for archaeological fieldwork and collection from the date signed and continuing for one year and one day. All terms and conditions of the permit must be satisfied within two years and one day from the date signed.

2. Location This permit shall apply only to lands owned or managed by City of The Dalles more specifically described as follows:
1N 13E 3 in Wasco county.
Map in attached research design.

3. Supervision The design and work in connection with the survey or excavation, including exploratory excavation and collection, are the responsibility of Nicholas Smits and . All fieldwork shall be supervised by Nicholas Smits and its terms may be executed by any employee affiliated with or City of The Dalles who meets the terms to apply for a permit per ORS 390.235(6)(b) and OAR 736-051-0070(23)(a-c) and has had that status confirmed by Oregon SHPO.

4. Compliance Nicholas Smits and shall comply with all applicable federal, state and local laws, rules, regulations and ordinances including but not limited to ORS 97.740-760, ORS 358.905-961, ORS 390.235, and associated OAR 736-051-0000 to 0090.

5. Activities Consist of those detailed in the attached application and research design.

6. Conditions This permit was conditioned by Confederated Tribes of Grand Ronde, Confederated Tribes of the Umatilla Indian Reservation. Documentation is attached and is considered a condition of the permit. If no conditions are attached, the permit is issued without conditions.

7. Records Nicholas Smits and shall submit a final report on all activities associated with this permit to the Burns Paiute Tribe, Confederated Tribes of Grand Ronde, Confederated Tribes of Siletz Indians, Confederated Tribes of the Umatilla Indian Reservation, Confederated Tribes of Warm Springs Reservation and SHPO.

Nicholas Smits and shall comply with all applicable curation standards for the approved curation facility identified in the attached permit application. If that is not the University of Oregon Museum of Natural and Cultural History (UOMNCH), then Nicholas Smits and shall additionally submit a copy of any notes, photographs, photo log, and collection catalog to the UOMNCH.

8. Custody
Public lands: All archaeological objects and excavated materials from public lands recovered under this permit shall remain under the stewardship of the State of Oregon and shall be curated by UOMNCH or other approved alternative curation facility. Any change in custody must be approved by UOMNCH and entities with review authority in accordance with ORS 390.235.

Private landowner: If landowner owner has requested to retain possession of all archaeological objects and excavated materials recovered from their property, then prior to being delivered to the landowner, a full archival set of field forms, any laboratory analysis documentation, field photos with photo log, and lab digital images of temporally or functionally diagnostic archaeological objects or materials, shall be sent to the UOMNCH for curation.

Regardless of landownership and prior to any collections being submitted to the permanent curation facility, Burns Paiute

Tribe, Confederated Tribes of Grand Ronde, Confederated Tribes of Siletz Indians, Confederated Tribes of the Umatilla Indian Reservation, Confederated Tribes of Warm Springs Reservation must be given 30 days to view all recovered objects and materials to ensure that human remains, funerary objects, sacred objects, and objects of cultural patrimony are returned to tribal custody per state law (ORS 97.740-97.760).

9. Notification Whether in the field, during curation processing, analysis, or tribal review; upon discovery of ORS 97.740-760 protected items, including cairns, burials, human remains, funerary objects, sacred objects, or objects of cultural patrimony; archaeological excavation and collection of archaeological objects under this permit is suspended until notification procedures under the Inadvertent Discovery Plan attached to this permit are followed. Work authorized by this permit may only continue when Burns Paiute Tribe, Confederated Tribes of Grand Ronde, Confederated Tribes of Siletz Indians, Confederated Tribes of the Umatilla Indian Reservation, Confederated Tribes of Warm Springs Reservation have agreed upon appropriate procedures and notified STATE. In the event recovery of protected items is necessary and approved, that activity may be done separately through the process defined for the State Physical Anthropologist per OAR 736-051-0080(3).

10. Tribal Coordination Per OAR 736-051-0080(7)(c) tribal coordination may include, but is not limited to, a discussion of the proposed archaeological investigations, research design, permit terms or conditions, reporting, tribal monitoring of the permit work, curation, inadvertent discovery contingency plans during the archaeological investigations, or any associated project design or development.

11. Indemnification Nicholas Smits and agrees to defend and hold STATE, its officers, agents, and employees harmless, and shall require its contractors to do the same, from any and all claims, damages, or expenses of any kind suffered or alleged to be suffered on the lands described in paragraph 2 or arising out of or in connection with the activities of Nicholas Smits and or its contractors pursuant to this Permit.

12. Insurance Nicholas Smits and shall obtain at their expense, and keep in effect during the term of the Permit, comprehensive or commercial general liability insurance covering personal injury and property damage. This insurance shall include contractual liability coverage for the indemnification provided under this Permit. Coverage limits shall not be less than the limits of liability set forth in the provisions of ORS 30.270(1) as now in effect or as hereinafter amended. Such provisions now require that the coverage limits not less than $500,000 combined single limit per occurrence.

13. Failure to Comply Failure to comply with any terms or conditions of this Permit including: conditions, methods, inadvertent discovery plans, reporting, and curation; may lead to the permits suspension while dispute resolution procedures are followed per OAR 736-051-0020 through 0050, and may lead the permits immediate revocation, effect Nicholas Smits's or 's ability to receive archaeological permits in the future, and would be sufficient grounds for an entity with review authority to object to a future permit.

OREGON PARKS AND RECREATION DEPARTMENT

10/28/24

Christine Curran
Deputy State Historic Preservation Officer

Date:

Oregon
Tina Kotek, Governor

Parks and Recreation Department
Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org

9/25/24

RE: (AP)4033 The Dalles First Street

Reviewer Evaluation

☑ I approve of the permit

☐ I approve with conditions *(enter conditions below or attach document)*

conditions:

☐ I object to the permit *(enter explanation below or attach document)*

objection:

Additional comments **not** pertaining to the above conditions and/or objection:

Reviewer Signature: John Andrus

Date: 10/21/24

Organization: City of The Dalles

EXHIBIT D-1

Oregon

Tina Kotek, Governor

Parks and Recreation Department
Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org

9/25/24

RE: (AP)4033 The Dalles First Street

Reviewer Evaluation

☐ I approve of the permit

☑ I approve with conditions *(enter conditions below or attach document)*

conditions: Please see attached.

☐ I object to the permit *(enter explanation below or attach document)*

objection:

Additional comments **not** pertaining to the above conditions and/or objection:

Reviewer Signature: [signature] Date: 10/15/24

Organization: Confederated Tribes of Grand Ronde

11601

EXHIBIT D-1

The Confederated Tribes of the Grand Ronde Community of Oregon

Historic Preservation Department
Phone (503) 879-2185
1-800 422-0232
Fax (503) 879-2126

8720 Grand Ronde Rd
Grand Ronde, OR 97347

October 15, 2024

Josh Henderson
State Historic Preservation Office
725 Summer St NE, Suite C
Salem, OR 97301-1266

RE: Archaeological Permits 4033

Greeting Josh,
The Historic Preservation Office of the Confederated Tribes of Grand Ronde Community of Oregon have no additional information about cultural resources to provide at this time for this project. We defer further comment to primacy Tribes of the project area. If you have any questions, feel free to call me.
Respectfully,

Christopher Bailey
Cultural Protection Specialist
Historic Preservation
Confederated Tribes of the Grand Ronde Community of Oregon
chris.bailey@grandronde.org
503-879-1675

Oregon
Tina Kotek, Governor

Parks and Recreation Department
Oregon Heritage/
State Historic Preservation Office
725 Summer St. NE, Suite C
Salem, OR 97301-1266
(503) 986-0690
Fax (503) 986-0793
oregonheritage.org

9/25/24

RE: (AP)4033 The Dalles First Street

Reviewer Evaluation

☐ I approve of the permit

☑ I approve with conditions *(enter conditions below or attach document)*

conditions: AINW will review previous work versus planned project elements and excavate QTUs/STPs as appropriate to assess impacts to archaeological resources.
AINW will keep the CRPP informed of what is being found and work together to develop plans for needed additional work.

☐ I object to the permit *(enter explanation below or attach document)*

objection:

Additional comments **not** pertaining to the above conditions and/or objection:

Reviewer Signature: Catherine Dickson Digitally signed by Catherine Dickson Date: 2024.10.22 11:21:05 -07'00'

Date: 10/22/24

Organization: CTUIR CRPP

STATE OF OREGON

ARCHAEOLOGICAL PERMIT APPLICATION

Applicant Information

Applicant: Nicholas Smits, M.A., R.P.A.

4033

Email: nick@ainw.com

AP# SHPO Use

Institution/Company: Archaeological Investigations Northwest, Inc.

Institution/Company Email: nick@ainw.com

Project Information

Project Name: The Dalles First Street

Project Proponent: City of The Dalles

SHPO Case#: 23-0717

Project Contact: Joshua Chandler

Email: jchandler@ci.the-dalles.or.us

Associated state archaeological permits for this project:

Location

Township/Range/Section(s):

Township 1 North, Range 13 East, Section 3, Willamette Meridian

Counties: Wasco

Smithsonian Trinomial(s) (as applicable): 35WS805, 35WS453, 34WS620, 35WS806

Additional location information on page 3:

Landowner and Curation

Landowner 1: City of The Dalles

Representative: Joshua Chandler

Email: jchandler@ci.the-dalles.or.us

Permanent curation facility: University of Oregon Museum of Natura

Landowner 2:

Representative:

Email:

Permanent curation facility:

Landowner 3:

Representative:

Email:

Permanent curation facility:

Additional landowners on page 3:

Temporary curation facility: Archaeological Investigations Northwest, Inc.

Tribe(s) coordinated with during the development of the application:

Confederated Tribes of Warm Springs, Confederated Tribes of Grand Ronde, Confederated Trib

Excavation Summary

30 cm diameter shovel probes: Yes
50x50 cm quarter test units: Yes
1x1 meter test units: Yes
Surface collection: Yes
Auger: Yes
Monitoring: Yes

Additional methods proposed: Termination of excavation units after minimum of 50 cm (20 in) where the last two levels are culturally sterile, unless obstructed.

Estimated fieldwork start: 10/23/24
Estimated fieldwork completion: 10/23/25

Attachments

Required Attachments:

Research design: ✔
USGS 7.5' topographic map depicting permit area: ✔
Inadvertent discovery plan: ✔
List of applicant's outstanding permits: ✔
Statement on any prior archaeological statute or law violations: ✔

Other Attachments:

Landowner letter (if permit is for private land): ☐
Curation letter (if other curation facility is proposed for non-federal public land): ☐

Acknowledgments and Signature

By signing the applicant acknowledges the following:

- I agree to carry archaeological work within the scope of the application package submitted and accept the responsibility of carrying out the terms and conditions of the permit. Including, but not limited to, tribal notification, curation, and reporting requirements.

- I am responsible for tribal coordination with any and all tribes deemed entities with review authority. And acknowledge any tribe may request coordination during the life of the permit.

- I am responsible for the accuracy of information in the application package. If any incorrect information is found after submission the permit review process may restart.

- I am responsible for knowing and understanding the information in OAR 736-051-0000 through 0090 and any Oregon SHPO guidance and instructions about archaeological permits as well as SHPO archaeological guidelines regarding fieldwork, archaeological sites and objects, and application of National Register Criteria

- I am responsible for ensuring all artifacts encountered under the permit are collected and curated unless additional agreements with the landowner, tribe(s), and UOMNCH are complete.

- I understand that issuance of a SHPO permit does not mean that they concur with the methods or level of effort for the permits objective or any compliance project.

Signature: Nicholas J Smits
Digitally signed by Nicholas J Smits
DN: cn=Nicholas J Smits, c=US, o=Archaeological Investigations Northwest, Inc., email=nick@ainw.com
Date: 2024.09.23 10:27:33 -07'00'

Date: 9/23/24

Send complete applications to Arch.Permits@OPRD.Oregon.gov. Do not submit applications to or cc: SHPO staff.

Additional Information

Archaeological Investigations Northwest, Inc.

3510 N.E. 122nd Ave. • Portland, Oregon 97230
Phone (503) 761-6605 • Fax (503) 761-6620

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ARCHAEOLOGICAL EXCAVATION PERMIT RESEARCH DESIGN FOR THE THE DALLES FIRST STREET PROJECT, THE DALLES, WASCO COUNTY, OREGON

September 23, 2024

Introduction

The City of The Dalles (City) proposes to improve E First Street between Union and Laughlin Streets in The Dalles, Wasco County, Oregon (Figures 1 and 2). E First Street will be reconstructed to include new sidewalks, retaining walls, Americans with Disabilities Act- (ADA-) compliant ramps and curbs, new utilities, and paving. The project will take place in public right-of-way and in permanent and temporary construction easements on private and public land. The project does not involve federal funding or permitting. AINW is assisting the City with meeting cultural resource requirements in compliance with Oregon Revised Statute (ORS) 358.653 and ORS 358.905-358.961.

Within the project area, much of E First Street between Union and Washington Streets is supported by fill material emplaced in the late nineteenth century, when the grade of the street was raised by as much as 3.7 meters (m) (12 feet [ft]) (Beckham 1976). Recent archaeological investigations completed for the project identified fill deposits and evidence of prior disturbance beneath the existing sidewalks on the south side of E First Street where work is proposed (Ruiz et al. 2022). More recently, monitoring of geotechnical bores for the project confirmed the depth of fill material beneath the street in four locations (Hulse and Smits 2024).

This permit application is to conduct additional archaeological work for the project, which may include shovel testing, controlled archaeological excavations, monitoring, and/or collection and curation of artifacts. Four previously documented sites overlap the project: 35WS805, 35WS453, 35WS620, and 35WS806.

Cultural Context and Records Review

The Dalles is on ancestral lands of Native Americans who have lived in this area since time immemorial. Wasco people occupied lands along the south shore of the Columbia River and spoke an Upper Chinookan dialect known as *Kiksht*. The north side of the river in this vicinity was occupied by Wishram people who spoke a similar dialect (French and French 1998:360-361). As a major fishery and trade hub, this part of the Columbia River saw frequent interactions between downriver Chinookan-speaking people and upriver *Ichishkíin-* (Sahaptin-) speaking groups (French and French 1998:360-361; Hunn and French 1998:389-391; Ray n.d.)

According to ethnographic and historical accounts, at least one Wasco village and several named features

of the landscape were in the immediate vicinity of the mouth of Mill Creek, which today flows into the Columbia River approximately 0.5 kilometer (km) (0.3 mile [mi]) northwest of the current project. The mouth of Mill Creek was *wi´lukt*, and *wi´nkwat* was an indentation in the bank of the Columbia River that served as a good landing point (Boyd 1996:45; French and French 1998:362). Ray (n.d.) noted a village at the mouth of Mill Creek called *Tau´n*, which had a population of about 100 people. In 1869, William McKay stated that an island near the mouth of Mill Creek was called "Ka-pooks," and that the mouth of the creek itself was called "Will-look-it" (*wi´lukt*) (Shaver et al. 1905:86). Approximately 6 km (4 mi) upriver from the current project, the head of Five Mile Rapids was a "well-attested" boundary between the Wascos and *Ichishkíin*-speakers on the south side of the Columbia River (French and French 1998:361). (The Five Mile Rapids section of the river was submerged when The Dalles Dam was completed in 1957.) Family groups generally controlled access to fishing locations, but acquisition of other resources was open to others who remained on friendly terms (Boyd 1996:53; French and French 1998:369-370).

Starting in the early nineteenth century, the Columbia River served as a transportation route for incoming non-Indigenous explorers, fur traders, missionaries, and settlers. The discovery of gold in Oregon, Idaho, and Washington in the 1850s and 1860s positioned The Dalles as a major transportation and supply center for the mining districts in the upper Columbia River drainage. A commercial district developed along the city's waterfront focused on E First Street, then known as Front or Main Street, that featured boardinghouses, restaurants, saloons, dry goods stores, and a variety of other establishments during the 1860s and 1870s (Murphy 1873; Owens 1865). By the 1880s, businesses owned and operated by Chinese migrants and residents of The Dalles were also a mainstay of this area.

Flooding of the Columbia River was a major concern for the downtown area, and in the 1880s many businesses began to locate south to higher ground along E Second Street. To alleviate flooding and to support construction of the Oregon Railway and Navigation Company's Main Line between Portland and The Dalles, First Street was raised a reported 3.7 m (12 ft) with imported fill circa 1880-1882, when the line was completed (Beckham 1976). This led to the demolition of some buildings and the alteration of others, as the former ground-floor entrances of buildings fronting E First Street were left below the new grade. Today, remnants of former building facades are present in some locations behind the raised sidewalks on the south side of E First Street.

Four archaeological sites have been documented overlapping the project area.

- Historic-period site 35WS805 is at the southwest corner of the intersection between E First and Court Streets. The site was recorded as a potentially stratified deposit of historic-period cultural materials identified as a result of archaeological excavations within a storage vault beneath the raised grade of the sidewalk (Ruiz et al. 2022:14-15, 19-24). The hollow vault beneath the elevated sidewalk was constructed in the late nineteenth century when the road prism was raised with fill material around the building now known as the "Baldwin Saloon." Archaeological deposits encountered in the soil beneath the sidewalk vault yielded an array of domestic, personal, and architectural items dating from the nineteenth and twentieth centuries (Ruiz et al. 2022: 14-15, 19-24). Modern materials were also interspersed with historic artifacts on and near the surface of the sidewalk vault. The site has not been evaluated for National Register of Historic Places (NRHP) eligibility.

- Multi-component site 35WS453 encompasses much of the block between Court and Washington Streets south of E First Street. The historic-period component of site 35WS453 is associated with

commercial and residential occupation of the block between the 1850s and 1950s. Between the 1880s and 1930s, this part of First Street was the center of The Dalles' Chinese community, anchored by businesses including stores, laundries, and boardinghouses (French 2016; Gleason 2008; Maddoux 2014; Smits and Fagan 2014a). The pre-contact component of the site consists of a sparse scatter of lithic tools and flakes representing byproducts of stone tool manufacture (Maddoux 2015; Smits and Fagan 2014a).

Much of site 35WS453 is capped by a paved asphalt parking lot that is approximately 1.8 m (6 ft) lower in elevation than the raised grade of E First Street. In 2022, Ruiz et al. (2022:13-14) excavated two 50x50-centimeter (cm) (20x20-inch [in]) probes beneath the raised sidewalk on the south side of First Street, which is elevated above the rest of site 35WS453. A total of 23 historic-period artifacts were identified in the fill material supporting the raised sidewalk (Ruiz et al. 2022:13-14). The site boundary was also recently updated to include 6 sherds of undecorated porcelain tableware identified during archaeological monitoring of a geotechnical bore in the road prism of E First Street (Hulse and Smits 2024). Site 35WS453 has been determined eligible for listing in the NRHP.

- Site 35WS620 is a historic-period site on the south side of E First Street between Washington and Federal Streets. The site consists of the buried remnants of buildings and structures demolished in the 1940s and capped with thick deposits of fill material (Smits and Fagan 2014b). The site has not been evaluated for NRHP eligibility.

- Site 35WS806 was identified by Ruiz et al. (2022) and consists of a buried deposit of slag, historic artifacts, and a lithic flake at the corner of E First and Laughlin Streets. The site has not been evaluated for NRHP eligibility.

In summary, historic-period and pre-contact archaeological sites are common in and near the project area based on a review of ethnographic information, historical records, and the results of previous archaeological studies. The grade of E First Street is elevated approximately 3.7 m (12 ft) above the surrounding landform, and much of the project area is paved and capped with fill deposits. It is expected that pre-contact and/or historic-period archaeological materials may be identified within or beneath fill deposits during the fieldwork that is proposed under this permit.

Research Design

In 2022, the University of Oregon Museum of Natural and Cultural History (OMNCH) conducted archaeological investigations for The Dalles Riverfront Access project (Ruiz et al. 2022). Since then, the project's design has been refined and funding sources have changed, and it is now known as The Dalles First Street project. AINW proposes to conduct additional archaeological investigations for the project, which may include shovel testing, controlled archaeological excavations, monitoring, and/or collection and curation of artifacts under a permit issued by the Oregon State Historic Preservation Office (SHPO). Because most of the project area is paved with asphalt and concrete, the existing pavement may need to be removed in selected locations to conduct subsurface archaeological investigations.

If archaeological deposits are found that cannot be avoided by the proposed project, controlled excavations may be conducted to determine the horizontal and vertical extent, stratigraphy, and integrity of the archaeological deposits.

Research questions include, but are not limited to, the following.

- *Are subsurface archaeological deposits present in areas that will be impacted by the project? If so, are the archaeological deposits significant and do they retain integrity?*
- *If an archaeological site is identified, can the age and function be determined?*
- *If pre-contact cultural materials are present, are they temporally or technologically diagnostic, and are they able to convey information about past land use and/or subsistence strategies of the people who lived here in the past?*
- *If evidence of a historic-period archaeological site is identified, is it associated with a nearby documented site, or is it a separate archaeological site? What does it convey about the development of this part of The Dalles?*
- *How will these data help expand our understanding of pre-contact and historic-period occupation and use of the project area and vicinity?*
- *If an archaeological site cannot be avoided, how will it be impacted by the proposed project?*

Pedestrian Survey

Most of the project area is paved and was previously surveyed for archaeological resources (Ruiz et al. 2022). AINW will conduct a pedestrian survey of areas within the project that have not been previously surveyed. If archaeological materials are identified on the ground surface, AINW will document them with notes, photographs, and GPS points. If temporally and functionally diagnostic pre-contact or historic-period artifacts are identified, they may be collected.

Shovel Testing

Shovel tests may be excavated to determine whether subsurface archaeological deposits are present in areas to be impacted by the project that were not covered by the previous archaeological work. If shovel tests are excavated, they will measure 30 cm (12 in) in diameter and will be excavated in 10-cm (4-in) levels to a minimum depth of 50 cm (20 in), unless obstructions are encountered that prevent deeper excavation by hand. Shovel tests may be excavated deeper with the use of a 15-cm (6-in) diameter manual bucket auger. Excavated sediment will be manually screened through nested 6.4- and 3.2-millimeter (mm) (1/4- and 1/8-in) mesh hardware cloth. The shovel test locations will be mapped using a GPS unit.

Quarter Test Unit and Test Unit Excavations

AINW may excavate one or more 50x50-cm (20x20-in) quarter test units to determine the vertical extent of an archaeological site, sample archaeological deposits and assess their integrity, and evaluate a site's NRHP eligibility. Quarter test units may be excavated individually, or they may be excavated adjacent to each other to form 1.0x0.5-m (3.3x1.6-ft) half test units or 1x1-m (3.3x3.3-ft) test units, or other combinations, to allow for deeper excavation or broader exposure, depending on findings and to gather additional data. Data recovery, if recommended, may include the excavation of 1x1-m (3.3x3.3-ft) test units. AINW will excavate the units in 10-cm (4-in) levels to a minimum depth of 50 cm (20 in) below the surface. Excavation will continue until two consecutive levels without artifacts are reached, unless obstructions are encountered that prevent deeper excavation by hand. Augers may be used to extend the depth of the unit if archaeological materials are observed to 70 cm (28 in) or to determine if deeply buried archaeological deposits are present. Excavation unit locations will be mapped using a GPS unit.

If an archaeological feature is encountered, the feature may be sampled and/or more fully exposed using controlled excavation. In this event, the feature will be excavated separately from the rest of the unit level(s). Quarter test units or test units may be combined to provide greater exposure of the feature. Bulk samples will be taken from the feature for fine-mesh water screening to recover faunal and botanical remains, if present. Bulk samples will typically measure a minimum of a liter in volume (10x10x10 cm [4x4x4 in]).

AINW will record field observations on standardized forms. Photographs will be taken, and locational information will be collected using handheld GPS units. The results of AINW's investigations will be documented in a technical report, which will be submitted to the SHPO, the Legislative Commission on Indian Services (LCIS), designated Tribes, and the City. SHPO archaeological resource forms will be appended to the report. Artifact catalogs and the results of ancillary analyses will be appended to the report.

Artifact Collection, Laboratory Processing, and Curation

Temporally and functionally diagnostic pre-contact and historic-period artifacts may be collected from the ground surface, if observed during the fieldwork. Pre-contact and historic-period artifacts will be collected during excavation of shovel tests, quarter test units, and/or test units, and may be collected during archaeological monitoring, if monitoring is needed. If large amounts of non-diagnostic construction debris (such as brick fragments, wood fragments, or metal) are encountered within subsurface units, then representative samples will be collected. Hazardous or potentially hazardous materials will not be collected.

Bulk soil samples may be collected from the excavation of test units or archaeological features. If charcoal is present, appropriate samples may be collected and submitted for radiocarbon dating. If obsidian artifacts are present, samples may be analyzed to determine raw material sources and assess hydration measurements to determine the relative age of associated site deposits. If lithic tools are recovered, selected tools may be tested for animal blood residue to identify what people hunted.

Artifacts and samples collected during AINW's investigations will be temporarily stored in the AINW laboratory for analysis and processing. They will be permanently curated at the UOMNCH along with the submitted site records. Funerary objects, sacred objects, and objects of cultural patrimony, if inadvertently collected, will be returned to the appropriate Tribe rather than curated at OMNCH.

Archaeological Monitoring

This archaeological excavation permit application also covers monitoring during construction for the project, if recommended and agreed to by SHPO, Tribes, and the City. A monitoring plan would be prepared for the project in advance of construction. The main purpose of archaeological monitoring would be to identify previously unidentified archaeological resources and to avoid impacts to potentially significant archaeological deposits, if present. Evidence of an archaeological site may be found inadvertently when an archaeological monitor is not present. Procedures to be followed in the event of an archaeological discovery are outlined in the attached Inadvertent Discovery Plan (IDP). Upon completion of monitoring, AINW would prepare a monitoring report detailing the monitoring activities and archaeological discoveries, as applicable.

Inadvertent Discovery Plan

If an inadvertent discovery, such as human remains, is encountered at any point, the procedures in the attached IDP will be followed. If human remains are found, the Oregon State Police, the SHPO, the LCIS, the City, and the Tribes listed in the permit will be contacted. The processes outlined in the position paper, *Treatment of Native American Human Remains Discovered Inadvertently or Through Criminal Investigations on Private and Non- Federal Public Lands in Oregon* and ORS 97.745 will be followed. Excavations will cease, the location will be secured, and no work will resume at the location until a decision on the best approach is determined by the appropriate agencies and parties.

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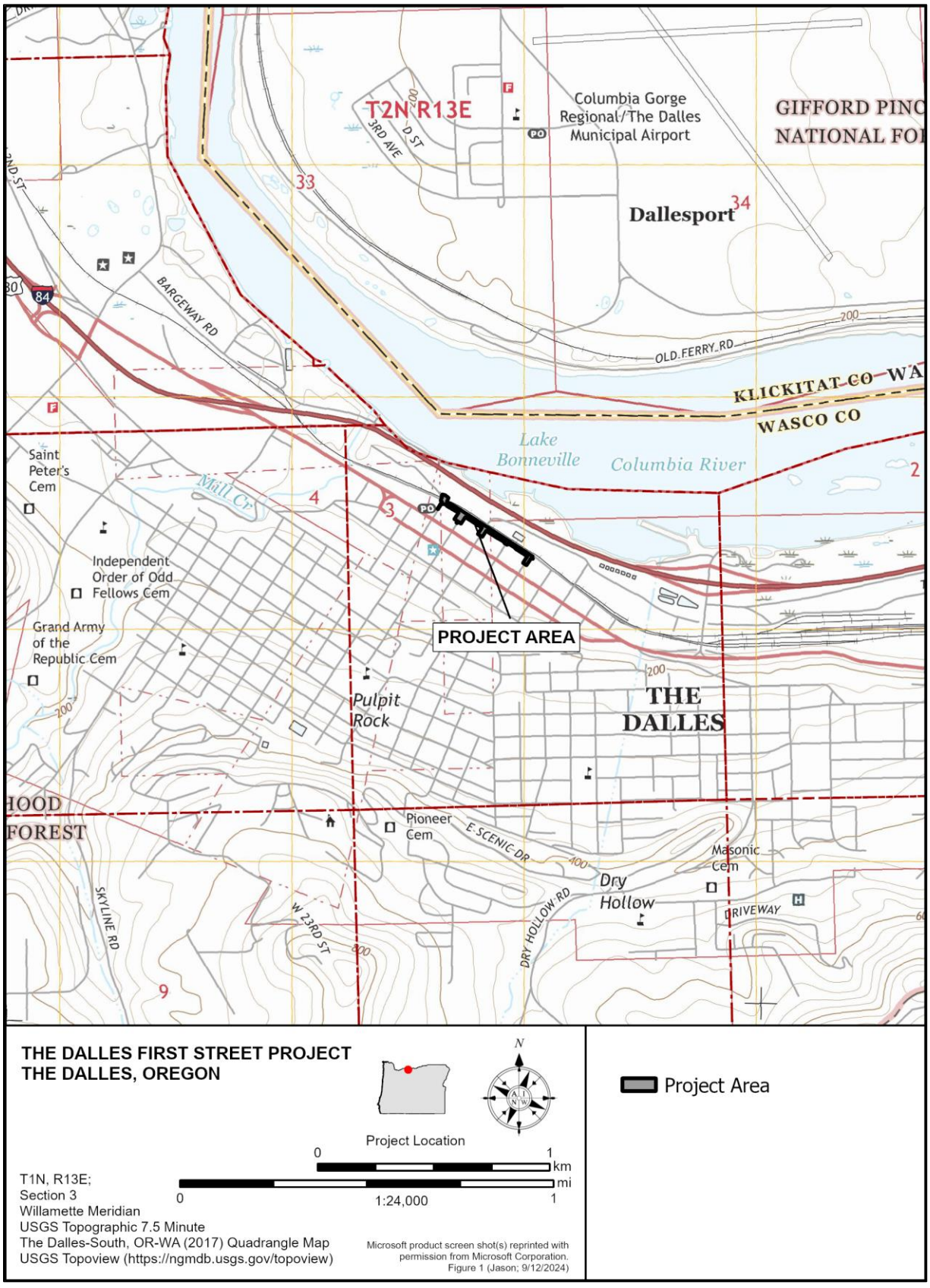

Figure 1. Location of The Dalles First Street project in The Dalles.

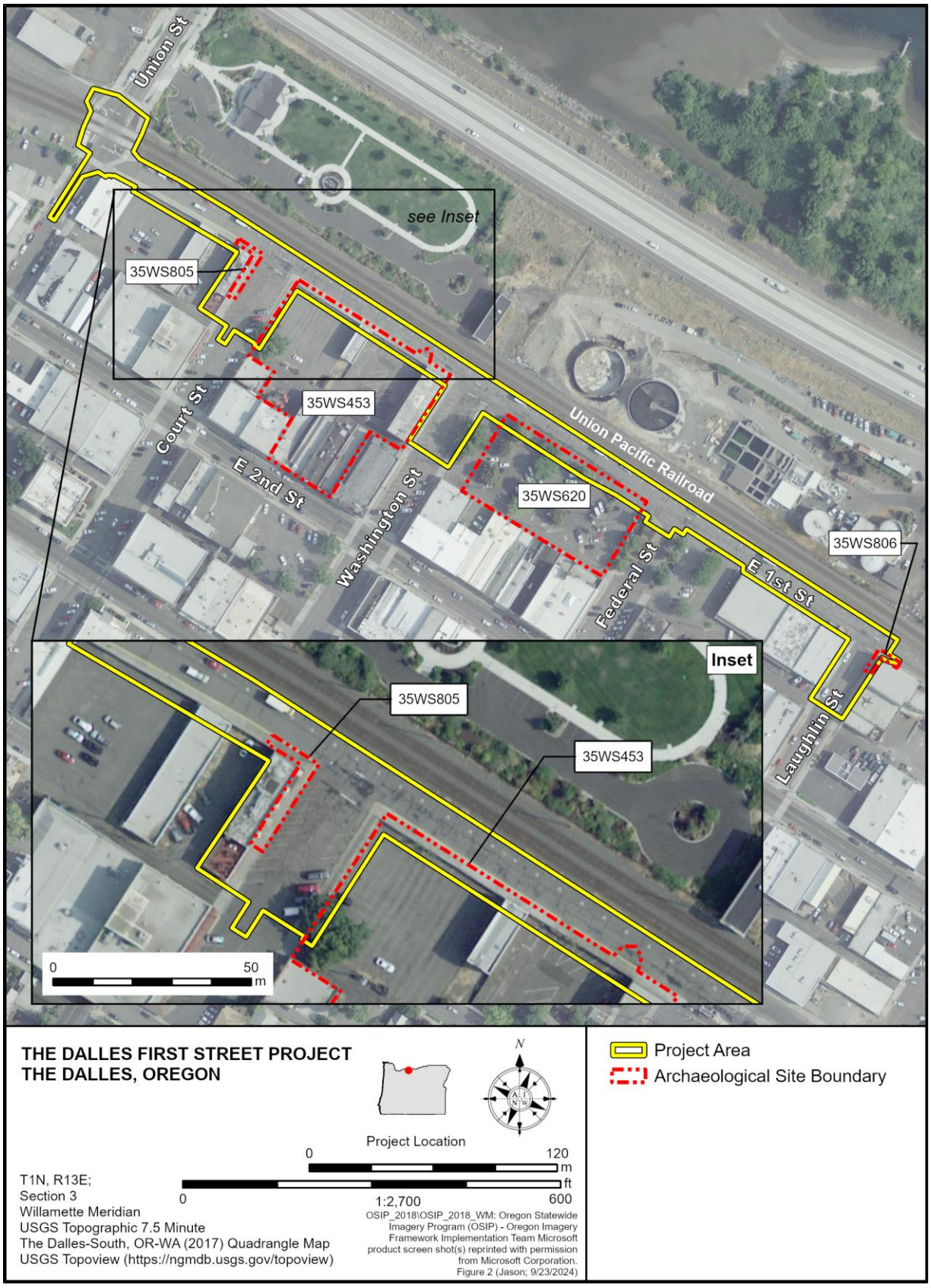

Figure 2. Aerial photograph of The Dalles First Street project area and four recorded archaeological sites that overlap the project.

Plan and Procedure for the Inadvertent Discovery of Archaeological Resources and Human Skeletal Remains (Inadvertent Discovery Plan) The Dalles First Street Project, The Dalles, Wasco County, Oregon

This plan should be followed should archaeological sites, objects, or human remains be found. These are protected under Federal and State laws and their disturbance can result in criminal penalties.

In the event that ground-disturbing activities or other activities related to project construction uncover protected cultural material (see definitions below), the following actions shall be taken:

1. When an unanticipated discovery of protected **cultural material** (see definitions below) occurs, work in the immediate area must stop, and the contractor will completely secure the location and contact:
    a) City of The Dalles: Joshua Chandler, 541-296-5481.
    b) Archaeological Investigations Northwest, Inc. (AINW): Nicholas Smits 971-645-6078 (cell), 503-761-6605 (office).

    If AINW confirms that the discovery is archaeological:
    c) The Oregon State Historic Preservation Office (SHPO): John Pouley, 503-480-9164, Jamie French, 503-979-7580.
    d) And must consult with appropriate Native American Tribes for finds of Native American origin, as designated by the Legislative Commission on Indian Services (LCIS) (see Tribal contact information below).

2. If the discovery consists of **human remains**, the contractor will stop work within at least 30 meters (100 feet) of the human remains. Personnel should be instructed not to speak to the public or media about the discovery and the human remains will be protected from further disturbance and public viewing using methods that do not directly touch the remains. The contractor will immediately contact:
    a) City of The Dalles: Joshua Chandler, 541-296-5481.
    b) AINW: Nicholas Smits, 971-645-6078 (cell), 503-761-6605 (office).
    c) Oregon State Police **DO NOT CALL 911**: Primary Contact: Sergeant Ryan Tague, 541-576-4393; Secondary Contact: OSP Dispatch, 503-731-3030.
    d) LCIS: Primary Contact: Elissa Bullion, 971-707-1372; Secondary Contact: Patrick Flanagan, 503-986-1067, LCIS Office, 503-986-1067.
    e) SHPO: Primary Contact: John Pouley, 503-480-9164; Secondary Contact: Jamie French, 503-979-7580.
    f) Appropriate Native American Tribes, as designated by LCIS:
        - Confederated Tribes of Warm Springs Reservation: Bobby Brunoe, 541-553-2026.
        - Confederated Tribes of Grand Ronde: Chris Bailey, 503-879-1675; Briece Edwards, 503-879-2084.
        - Confederated Tribes of Siletz Indians: Buddy Lane, 541-444-8230.
        - Confederated Tribes of the Umatilla Indian Reservation: Teara Farrow Ferman, 541-276-3447.
        - Burns Paiute Tribe: Diane Teeman, 541-413-1190.

NOTE: If you discover bones but are unsure if they are human, contact AINW and <u>stop all work in the area until discovery can be assessed</u>.

Procedures and Proceeding with Work

- No ground disturbing work should occur within at least 30 meters (100 feet), or more if appropriate, of a potential discovery. After an inadvertent discovery, some areas may be designated as close monitoring or "no work" zones.
- Personnel should NOT take photos of any potential human remains unless specifically directed by the project archaeologist, and then only for identification purposes. Photographs should not be shared or circulated to the public.
- Potential human remains should be protected from weather and public view using methods that do not directly touch the remains.
- Personnel should be instructed not to speak to the public or media about the discovery.
- Ground-disturbing activities can proceed *after* the proper archaeological inspections have occurred and environmental clearances are obtained.

Cultural material that may be protected by law could include but not be limited to:

- Buried layers of black soil with layers of shell, charcoal, and fish and mammal bones;
- Buried cobbles or broken rock, burnt earth, and charcoal that may indicate a hearth feature;
- Non-natural sediment or stone deposits that may be related to activity areas of people;
- Stone, bone, shell, horn, or antler tools that may include projectile points (arrowheads), stone flakes, wood working wedges or axes, and grinding stones;
- Wet areas may preserve remnants of wood and other plant fibers; in these locations there may be remains including fragments of basketry, weaving, wood tools, or carved pieces;
- Concentrations of historic-period artifacts (glass, ceramic, or metal items over 75 years old);
- Structural remains such as building foundations or cisterns;
- Human remains.
- **See examples of cultural materials in photos below (Figures 1 to 4).**

Tribal Contacts:

<table>
<tr><th colspan="2">CONFEDERATED TRIBES OF WARM SPRINGS RESERVATION</th></tr>
<tr><td colspan="2">Bobby Brunoe, THPO & NAGPRA Coordinator
Robert.Brunoe@ctwsbnr.org
541-553-2026</td></tr>
<tr><th colspan="2">CONFEDERATED TRIBES OF THE GRAND RONDE COMMUNITY OF OREGON</th></tr>
<tr><td>In the event of an inadvertent discovery, please contact:

Chris Bailey, Cultural Protection Specialist
chris.bailey@grandronde.org
503-879-1675</td><td>In the event of an inadvertent discovery of human remains, please contact:

Briece Edwards, Historic Preservation Manager
briece.edwards@grandronde.org
503-879-2084</td></tr>
<tr><th colspan="2">CONFEDERATED TRIBES OF SILETZ INDIANS</th></tr>
<tr><td colspan="2">Buddy Lane, Cultural Resources Manager
culturalresources@ctsi.nsn.us
541-444-8230</td></tr>
<tr><th colspan="2">CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION</th></tr>
<tr><td colspan="2">Teara Farrow Ferman, Cultural Resources Program Manager
tearafarrowferman@ctuir.org
541-276-3447</td></tr>
<tr><th colspan="2">BURNS PAIUTE TRIBE</th></tr>
<tr><td colspan="2">Diane Teeman, Culture and Heritage Director
BPTRC@burnspaiute-nsn.gov
541-413-1190</td></tr>
</table>

Figure 1. Examples of stone tools, lithic debitage, and a bone awl.

Figure 2. Examples of historic-period artifacts, including ceramic fragments, bottle glass fragments, and square nails.

Figure 3. Charcoal and burned earth exposed during grading. Each band on the scale bar is 10 centimeters (4 inches).

Figure 4. A section of historic-period concrete pathway. Each band on the scale bar is 10 centimeters (4 inches).

Archaeological Investigations Northwest, Inc.

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E-mail: ainw@ainw.com
Web: www.ainw.com

OUTSTANDING PERMITS AND LAW VIOLATIONS STATEMENT FOR THE DALLES FIRST STREET PROJECT, THE DALLES, OREGON

OUTSTANDING PERMITS

SHPO AP	Permit	County
N/A	N/A	N/A

Statement on Law Violations

I, Nicholas J. Smits, to the best of my knowledge have not violated any federal, state, and local cultural resources laws, rules, regulations, and ordinances including, but not limited to, ORS 97.740-760, ORS 3568.905-961, ORS 390.235, and associated OAR 736-051-0000 to 0090.

EXHIBIT D-1

CITY of THE DALLES
313 COURT STREET
THE DALLES, OREGON 97058

(541) 296-5481
FAX (541) 296-6906

LETTER OF FUNDING SUPPORT & LANDOWNER AUTHORIZATION FOR

ARCHAEOLOGICAL INVESTIGATIONS FOR THE DALLES FIRST STREET PROJECT

This letter acknowledges that the City of The Dalles (City), the proponent of The Dalles First Street project, is providing funds for archaeological tasks in support of project design and construction. The City owns the land where work will occur under a SHPO permit.

Archaeological Investigations Northwest, Inc. (AINW), is authorized to conduct archaeological tasks on lands owned by the City within the project area. AINW is authorized to collect archaeological materials during the fieldwork, if appropriate.

The City has sufficient funding to cover the excavation, analysis, final report preparation, and curation of recovered archaeological materials, if needed.

The City agrees that the archaeological samples, specimens, and artifacts collected during this work will be curated at the University of Oregon Museum of Natural and Cultural History or an approved alternate curation facility.

It is understood by the City that if human remains, funerary objects, sacred objects, or objects of cultural patrimony are discovered that AINW will report to the appropriate Native American Tribe(s), the Commission on Indian Services, and the State Historic Preservation Office and make necessary arrangements for the return of any human remains or sacred objects to the appropriate Tribal government as required by state laws and regulations (ORS 97.740-760 and ORS 358.940).

CITY OF THE DALLES

Authorized by: _____ 9/16/24

Signature *Date*

Joshua Chandler 541-296-5481, x1121

Printed Name *Phone*

Address:

313 Court Street

The Dalles, OR 97058

ARCHAEOLOGICAL MONITORING

AND INADVERTENT DISCOVERY PLAN FOR

THE DALLES FIRST STREET PROJECT,

THE DALLES, WASCO COUNTY, OREGON

Prepared for
KPFF Consulting Engineers
Portland, Oregon
and
City of The Dalles, Oregon

October 10, 2025

REPORT NO. 5510

Archaeological Investigations Northwest, Inc.

3510 NE 122nd Ave. ● Portland, OR ● 97230 Phone 503 761-6605 ● Fax 503 761-6620

ARCHAEOLOGICAL MONITORING AND INADVERTENT DISCOVERY PLAN FOR THE DALLES FIRST STREET PROJECT, THE DALLES, WASCO COUNTY, OREGON

INTRODUCTION

The City of The Dalles (City) proposes to improve E First Street between Union and Laughlin Streets in The Dalles, Wasco County, Oregon (Figures 1 and 2). Proposed improvements to E First Street and cross streets include new sidewalks, curbs, curb ramps compliant with the Americans with Disabilities Act (ADA), underground utilities, lighting, signage, drainage, landscaping, and new asphalt pavement. The project will take place in public rights-of-way. It also includes permanent and temporary construction easements on public and private land. The project area includes all areas where ground disturbance will occur, and permanent construction easements where no ground disturbance is planned. Staging of equipment and materials will occur within the project area. If additional space is needed for staging, paved surfaces outside of the project area may be used for temporary staging.

Across the western half of the project, E First Street is supported by a linear embankment of fill material emplaced in the early 1880s when the Oregon Railway and Navigation Company (OR&N) Main Line was constructed down the middle of the street, which raised the grade of the street by an estimated 2.7 to 3.0 meters (m) (9 to 10 feet [ft]) at the western end of the project. The fill embankment is less pronounced in the eastern half of the project, where the modern grade of E First Street generally matches that of the adjacent lots to the south, which were also raised with fill material (Smits and Fagan 2014). In 1978, the railroad tracks were moved from the middle of E First Street to the north side of the street. Today, the railroad to the north of the project is owned and operated by Union Pacific.

The City has been planning improvements along E First Street and adjacent land for more than 25 years, focusing on improving pedestrian safety, addressing aging infrastructure, and developing access points between downtown The Dalles and the nearby Columbia River (CH2MHILL et al. 2001). Previous iterations of the project along E First Street, alternately referred to as The Dalles Riverfront Access or The Dalles Riverfront Connection project, were intended for completion with federal funds administered by the Oregon Department of Transportation (ODOT) (ODOT Key No. 15471; Oregon State Historic Preservation Office [SHPO] Case No. 07-0844) (Blaser 2012; Blaser et al. 2009; Ruiz et al. 2022). The design of the project has been scaled back over time, and it no longer involves federal funding or permitting. The project will be completed using local funds, with the City as the lead agency, and is now assigned SHPO Case No. 23-0717.

Archaeological Investigations Northwest, Inc. (AINW), is assisting the City with meeting its responsibilities for complying with state laws regarding archaeological sites and historic resources. In 2025, AINW completed cultural resource investigations that supplemented earlier studies completed for the project along E First Street (Smits et al. 2025). Four known archaeological sites—35WS453, 35WS620, 35WS805, and 35WS806—overlap the City's project area. SHPO determined all four sites to be eligible for listing in the National Register of Historic Places (NRHP). Avoidance of these four archaeological sites is not feasible given the scope of the City's project. AINW and the City are proposing additional

archaeological work, including controlled archaeological excavations and monitoring during construction, for the project under a SHPO permit. This monitoring plan and Inadvertent Discovery Plan (IDP) contain procedures to be followed for during project construction.

The City's First Street project also overlaps The Dalles Commercial Historic District, which is listed in the NRHP. Streetscape features of E First Street, including the historic stone retaining walls and other features, are eligible for listing in the NRHP and contribute to The Dalles Commercial Historic District. Adverse effects to The Dalles Commercial Historic District and its contributing streetscape features are being mitigated under a Memorandum of Understanding developed through consultation between the City and SHPO, Native American Tribes, and other parties in accordance with ORS 358.653.

PLANNED GROUND DISTURBANCE

As of 2025, the project area is almost entirely paved with asphalt and concrete. Most of the proposed ground-disturbing work for the City's First Street project will involve shallow mechanical excavation approximately 0.3 m (1.0 ft) or less below existing grade, meaning that much of the construction work will occur within the fill material that supports E First Street. Deeper excavations are planned for new utilities and connections; these excavations will include trenching as deep as 1.2 to 1.8 m (4 to 6 ft) for water and stormwater. The depths of the proposed utility trenches indicate they will likely be entirely within fill material at the western end of the project, and may extend below the fill material and into native sediments toward the eastern end of the project.

Along the south side of E First Street are stone masonry walls that retain fill material supporting the street and sidewalks between Union and Washington Streets (Photos 1, 2, and 3). Along most of this stretch, there is a set of two parallel retaining walls, one hidden behind the other. Figure 3 illustrates a typical wall section (after Whittington 2022). An inner wall consists of a sloped, dry-stacked stone wall assumed to have been constructed to support the new grade of the street when it was raised in the 1880s. The outer, nearly vertical sections of retaining wall visible along the south side of E First Street vary in height from about 2.7 m (9 ft) near Union Street to heights of about 1.8 to 1.2 m (6 to 4 ft) near Court and Washington Streets, respectively (Whittington 2022). These support the outer edge of the modern sidewalk and retain sandy fill material between the outer and inner retaining walls. The outer wall sections are of various ages and methods of construction (Blaser et al. 2009). The outer sections of stone retaining wall on these two blocks are planned to be removed and replaced as part of the City's project. The inner wall will be removed or retained in place as needed during construction.

Along the south side of E First Street between Union and Washington Streets, replacement of the existing stone retaining walls will require excavation at the base of the wall to a depth of approximately 0.5 m (1.5 ft) below the current ground surface, and behind the wall approximately 0.9 m (3.0 ft) northward into the fill material. The City and its engineering consultants have planned to minimize impacts to archaeological sites 35WS453 and 35WS805 as much as possible by limiting excavation only to the depth needed to remove and replace the retaining walls on these two blocks. The areas to be impacted during the retaining wall replacement are behind and beneath the existing walls and are not accessible for archaeological testing until construction begins and the existing walls are removed.

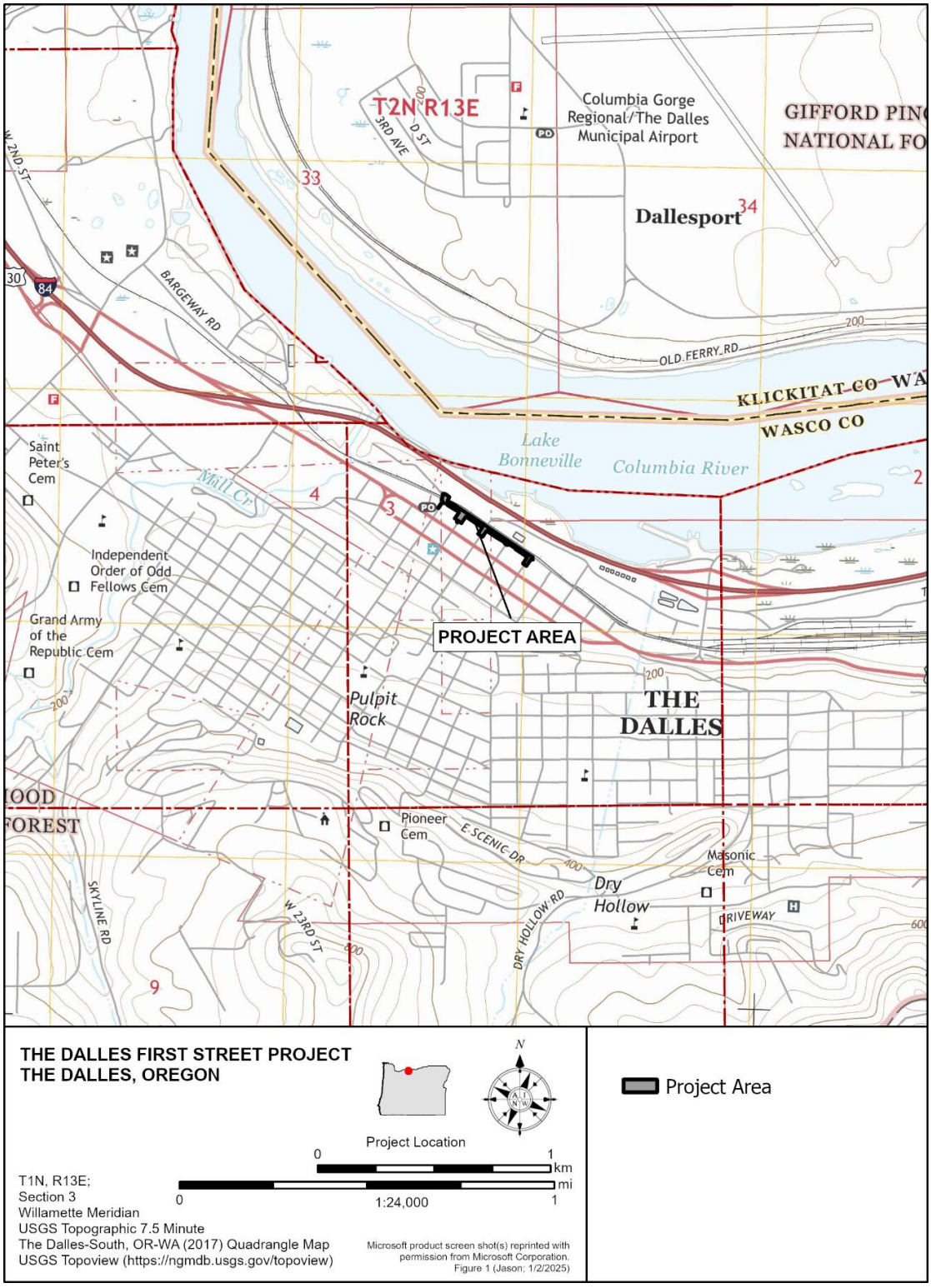

Figure 1. The Dalles First Street project area in The Dalles, Wasco County, Oregon.

Figure 2. Archaeological monitoring is recommended during ground-disturbing activities at sites 35WS453, 35WS620, 35WS805, and 35WS806. Monitoring is also recommended during other ground-disturbing activities listed below that do not appear on this figure.

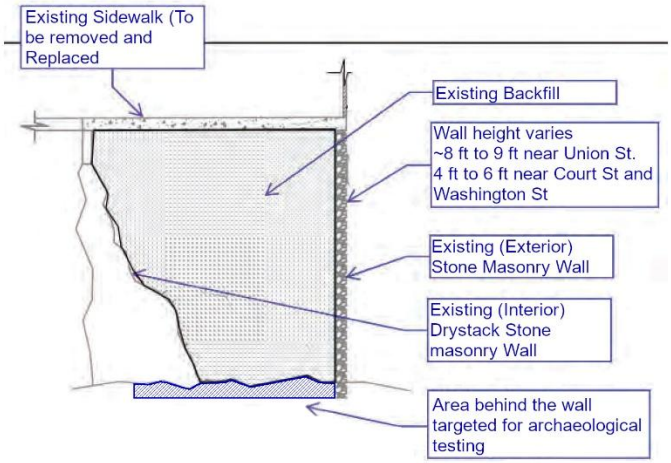

Figure 3. Typical existing wall section showing the area behind and beneath the walls targeted for archaeological testing when it is exposed during construction after the outer wall is removed (after Whittingham 2022:Figure ES1).

Photo 1. Section of stone retaining wall supporting E First Street between Union and Court Streets. The view is towards the northwest along the south side of E First Street.

Photo 2. Section of stone retaining wall supporting E First Street between Court and Washington Streets. The Wing Hong Hai Co. building at 201 E First Street is at right. The view is towards the east/northeast.

Photo 3. Sections of stone and concrete retaining walls and building foundation remnants along the south side of E First Street between Washington and Court Streets at site 35WS453. The Wing Hong Hai Co. building at 201 E First Street is in the background. The view is towards the northwest.

Adjacent to the Baldwin Saloon at E First and Court Streets, rather than two parallel retaining walls there is an enclosed, L-shaped sidewalk vault between the existing building and the inner dry-stacked rock retaining wall. The building itself serves to support the outer edge of the elevated sidewalk. Immediately west of the Baldwin Saloon building, the sidewalk vault is open and supported by concrete pillars. The plan in these areas adjacent to the Baldwin Saloon at site 35WS805 is to remove the existing sidewalk and concrete pillars, and to replace the existing rock retaining wall with a new gabion wall. To support the outer edge of the new sidewalk in this vicinity, micropiles will be used as foundation support elements.

ARCHAEOLOGICAL MONITORING PLAN

Archaeological monitoring will be conducted during construction under an archaeological permit issued by the SHPO. The purpose of monitoring is to recognize potentially significant archaeological deposits or features that may be encountered during construction, and to assist the City and its contractors with complying with state laws regarding significant archaeological sites. Four known archaeological sites—35WS453, 35WS620, 35WS805, and 35WS806—overlap the project. Additional archaeological deposits or features may be encountered during construction activities, whether a monitor is present or not. General procedures for monitoring and for recognizing and avoiding impacts to an archaeological site are provided below. Notification protocols and contact information are also provided below.

Notification

Notifications and communication will be via email, unless a party requests AINW to communicate via telephone. The following procedures apply for notifying and coordinating with the SHPO, Tribes, the City, and other parties regarding the fieldwork.

- AINW will provide notification prior to the start of the fieldwork. If there is a break in the work, that will also be communicated.
- Weekly summaries of field results will be emailed to the SHPO, Tribes, and the City.
- Field visits during the construction phase work are welcome and will need to be prearranged. To make arrangements, please contact Joshua Chandler, Community Development Director, City of The Dalles (phone: (541) 296-5481 ext. 1121, email: jchandler@ci.the-dalles.or.us).
- Tribes require advance notice prior to the start of fieldwork.

Preconstruction Meeting

Prior to the start of construction activities, an AINW archaeologist familiar with the project will meet with the construction supervisors and project personnel. The objective is to review the areas and activities to be monitored, and to discuss procedures for coordination and notification of discoveries. Communication is critical to the success of the monitoring plan to ensure a monitor is available and

present when needed. The roles and responsibilities of the monitor and other project personnel will be outlined prior to construction.

- At the preconstruction meeting, communication protocols will be reviewed. A list of contacts is at the end of this plan. If additions or changes in contacts need to be made, a revised contact list may be prepared and distributed at that time.

- The responsibilities of each party—construction contractors, the City, AINW, SHPO, Tribes, and others—will be identified.

- At the meeting, AINW will lead a brief training for construction personnel and inspectors regarding the recognition of pre-contact and historic-period materials and features, and a discussion of notification protocols to follow in the event of an archaeological discovery.

- Scheduling procedures for archaeological monitors will be outlined. AINW requests a minimum of 72 hours notice before monitoring is needed. More notice is requested whenever possible.

- Safety procedures and required personal protective equipment (PPE) will be reviewed.

- Archaeological site information should not be disclosed widely. The need for confidentiality will be discussed with construction personnel. This monitoring plan is designed to be used by senior project and construction personnel.

Monitoring During Construction

The City will ensure that an archaeological monitor is present during ground-disturbing activities within the boundaries of recorded archaeological sites 35WS453, 35WS620, 35WS805, and 35WS806, in the areas shown on Figure 2. Monitoring will also be conducted during specific ground-disturbing activities listed below that have the potential to encounter as-yet-unidentified archaeological deposits or features that may be present within the project area. Examples of ground-disturbing activities include, but are not limited to, construction excavations, grading, tree removal, utility work, landscaping, excavation with hand tools, and other activities that have the potential to affect subsurface archaeological deposits or features. *This list is not exhaustive, and whenever soil may be displaced it will be considered ground disturbance.*

- At sites 35WS453 and 35WS805, a monitor will be present during excavations to replace the existing stone retaining walls. The monitor will observe mechanical excavation of fill material behind the existing walls and will photograph and document the walls themselves as they are deconstructed and removed. At that point, construction work for the wall replacement will be temporarily paused so that archaeologists may access areas behind the wall to conduct controlled archaeological excavations in targeted areas following the treatment plan for the project (AINW Report No. 5488). *Because archaeological testing will need to occur after the existing retaining walls are removed but before new walls are constructed, this work will require close coordination with the excavation contractor and expedited communication of results with the SHPO and Tribes. Be prepared for work stoppages.*

- Archaeological monitoring will be performed in and near site 35WS805 during removal of existing concrete pillars supporting the sidewalk. Monitoring will also be performed during drilling to install micropiles. Micropiles will consist of drilled bore holes reinforced with steel casing and cement grout. Micropiles will be spaced approximately 4.6 m (15 ft) apart and drilled using a 6-inch diameter bore to a depth of approximately 10.7 m (35 ft) below the surface.

- At sites 35WS620 and 35WS805, monitoring will be performed during ground-disturbing work beneath the existing paved surface. Within these two sites, ground-disturbing activities will extend to a maximum depth of 30 centimeters (cm) (12 inches [in]) and will be within previously disturbed contexts.

- Across the project, monitoring is not required during ground-disturbing activities that extend no deeper than 30 cm (12 in) below the surface. The exception is within the boundaries of sites 35WS453, 35WS620, 35WS805, and 35WS806 as shown on Figure 2, where monitoring is required during any ground-disturbing activity beneath the existing paved surface.

- A monitor will be present during excavations or other work that may extend beneath the fill deposits that cap much of the project. For example, deeper excavations are planned for new utilities and utility connections. Trenching for new utilities is expected to be as deep as 1.2 to 1.8 m (4 to 6 ft) below the surface for water and stormwater lines. At the start of construction, monitoring will occur during utility trenching that extends deeper than 30 cm (12 in) to obtain more accurate information regarding the depth of fill deposits in different areas of the project. Based on the initial results of monitoring, AINW may recommend that monitoring may not be needed during utility trenching above specific depths or in specific areas of the project, if it is limited to previously disturbed fill material or soil that precludes the possibility for archaeological deposits given the age of deposition. AINW will coordinate this recommendation with SHPO and Tribes to cease monitoring based on these observations.

- Monitoring will be performed during work that occurs beneath the pavement at the foot of Federal Street as shown on Figure 2. A fire insurance map from 1884 indicates there may have been a fire cistern in this vicinity (Sanborn Map & Publishing Company [Sanborn] 1884). In the late nineteenth century, fire cisterns were constructed throughout The Dalles and other cities for the purpose of fire suppression. A large, 10,000-gallon fire cistern at the intersection of Federal and E First Streets appears on an 1884 Sanborn map but not on later maps. The city's fire cisterns were abandoned in the twentieth century as the water system expanded, allowing the fire department to use public fire hydrants connected to the municipal water supply. Proposed construction excavations in this vicinity will be shallow and are expected to less than 30 cm (12 in) deep. If evidence of a fire cistern is identified, construction work will be temporarily halted in this location so that the cistern can be documented as an archaeological site, and the discovery communicated with SHPO and Tribes.

- According to local historian Marilyn Urness (2017:84), there may be a concrete-lined tunnel beneath E First Street. No physical evidence of a tunnel has been identified; however, it is possible that a tunnel could be exposed when the existing retaining walls are removed along the

south side of E First Street. If a tunnel is identified during construction, AINW will communicate the discovery with the City, SHPO, and Tribes, and assist with documenting it. An archaeologist will photograph, map, and document the tunnel's dimensions, construction materials, and spatial extent.

- According to the City's records, there is a cast iron water pipe beneath E First Street that is still in use and will be abandoned as part of the project. The City's records suggest the pipe may date as early as 1874, though there are questions about the age of the pipe that is currently in use. If portions of the pipe are exposed during construction, AINW will inspect the work to photograph and map the sections of pipe and attempt to determine its age.

During the course of the project, the archaeological monitor will keep a daily log of construction and monitoring activities and actions taken to assure compliance with the monitoring plan. The monitor will inspect the excavations and backdirt piles for evidence of archaeological materials and/or features. The archaeological monitor has the authority to halt construction activities in the event that construction activities encounter, or may impact, intact archaeological deposits, features, human remains (or potential human remains), funerary items, or sacred objects.

Procedures for Archaeological Discoveries

If any member of the workforce or the archaeological monitor believes that they have identified evidence of an archaeological resource, all work in the vicinity of the discovery will stop. The archaeological monitor will immediately notify the City and the project archaeologist. If human skeletal remains are encountered, the procedures described in the IDP will be followed.

An archaeological discovery could consist of, for example:

- A cluster of stone, bone, shell, horn, or antler tools that may include projectile points (arrowheads), stone flakes, wood working wedges or axes, and grinding stones;
- A cluster of bottles, cans, and other refuse more than 75 years old;
- Buried layers of black soil with layers of shell, charcoal, and fish and mammal bones;
- Remnants of historic buildings or structures;
- Buried cobbles that may indicate a hearth or earth oven feature;
- Non-natural sediment or stone deposits that may be related to activity areas of people;
- Fragments of basketry, weaving, wood tools, or carved pieces;
- Bones that appear to be human, or other possible evidence of human remains.

If any evidence of a *pre-contact archaeological site (for example, lithic flakes or stone tools) or feature (for example, hearth or oven features)* is identified during the monitoring, the monitor will halt work in the vicinity of the discovery and initiate the communication protocol described below.

If an *isolated historic artifact* is identified (for example, a single glass bottle), it will be documented, photographed, and mapped in place, if possible, using a Global Positioning System (GPS) unit. Construction can continue after AINW has determined it is sufficiently documented. Isolated historic finds will be reported in AINW's weekly field summary email.

If evidence of a *historic-period archaeological site* (for example, evidence of intact archaeological deposits, features, or concentrations of historic-period artifacts) is identified during monitoring, the monitor will halt work in the vicinity of the discovery and initiate the communication protocol described below. Historic-period archaeological deposits may include sheet trash associated with former ground surfaces or buried historic-period archaeological features (for example, cisterns privies, cesspools, drains, trash pits). Modern items, temporally non-diagnostic items, and scattered architectural debris such as brick fragments, wire nails, concrete chunks, etc., are expected to be encountered during construction and will be photographed in the field by the monitor but will not be considered archaeological, and construction will not stop when these items are encountered.

Buried utilities will be photographed and noted when observed by the monitor but will not be considered archaeological unless abandoned and demonstrably older than 75 years in age. Buried utility lines that are more than 75 years old (whether abandoned or still in use) will be photographed and mapped in the field. Construction work will continue while the monitor takes photos and measurements. Information regarding buried utilities will be summarized in the monitoring report at the end of the project.

In the event of a discovery, the construction manager or archaeological monitor will take appropriate steps to protect the discovery. At a minimum, the immediate area of the discovery will be flagged and avoided. Vehicles and equipment will not be permitted to traverse the discovery vicinity. The area of work stoppage will be adequate to provide for the security, protection, and integrity of the discovery. The discovery should be kept secure from further impacts and trespass. Security measures will be taken to prevent illicit activities such as looting or vandalism. A buffer of at least 30 m (100 ft) should be maintained, if possible. Given the location of the project in The Dalles and its proximity to existing buildings and streets, a buffer of less than 30 m (100 ft) may be implemented in situations where a 30-m (100-ft) buffer is not possible. Project construction outside the discovery location may continue while documentation and assessment of the discovery proceeds. If the project archaeologist determines that the discovery was deposited within the last 75 years and is not archaeological, such as architectural debris, the construction manager will be immediately advised to remove the stop-work order.

If a discovery is deemed an archaeological resource, the project archaeologist will inform the City. The City or the project archaeologist will then be responsible for notifying the SHPO and Tribes. Every effort will be made to ensure that notifications are made within 24 hours of the determination that an archaeological resource has been discovered. The project archaeologist will email documentation including photographs of the discovery site to the City, SHPO, and Tribes. The email notification will do one of the following.

- Describe how further project construction will be conducted to avoid the discovered resource.

- Provide the project archaeologist's opinion regarding whether the resource is or is not eligible for listing in the NRHP and request permission from SHPO and the Tribes for construction to recommence if the resource is not eligible.

- Recommend additional archaeological work to evaluate the discovery for NRHP eligibility and/or recover significant archaeological data if the discovery cannot be avoided by further construction.

Given the unique site safety and security considerations of the City's project along E First Street, the City requests expedited review of archaeological discoveries by email and by phone to minimize construction delays. The City requests a response time of 2 business days.

Artifact Collection

AINW does not anticipate collecting all artifacts observed during monitoring. Scattered architectural debris from demolished buildings is expected to be found. If architectural materials such as bricks, concrete, window glass, nails, etc., are encountered in disturbed, low-density archaeological deposits similar to those found during the survey fieldwork, they will be documented in the field but not collected. If pre-contact artifacts (e.g., lithic tools or flakes) or temporally and functionally diagnostic historic artifacts (e.g., glass bottles, decorated ceramics, etc.) are encountered during monitoring, these artifacts would be collected to provide information on site chronology or function. Non-diagnostic historic-period materials will not be collected during monitoring, nor will isolated historic items.

Artifacts collected during AINW's investigations will be temporarily stored in the AINW laboratory for analysis and processing. They will be permanently curated at the University of Oregon Museum of Natural and Cultural History (UOMNCH) along with the submitted site records. Funerary objects, sacred objects, and objects of cultural patrimony, if inadvertently collected, will be returned to the appropriate Tribe rather than curated at UOMNCH.

Procedures for Inadvertent Discoveries of Human Remains

The procedures outlined in this section apply to all situations where a) human remains are observed, and b) it is not obvious and immediately apparent that skeletal remains (i.e., articulated bones, teeth, or fragments thereof) which are found are non-human in origin. Any human remains that are discovered during construction will be treated with dignity and respect at all times.

If any member of the construction work force or archaeological monitor believes he or she has made an inadvertent discovery of human skeletal remains, all work at the location of the discovery will be stopped and the City will be notified. The area of work stoppage will be adequate to provide for the security, protection, and integrity of the remains. At a minimum, the immediate area of discovery will be flagged or fenced-off. Vehicles and equipment will also not be permitted to traverse the discovery site. **Do not call 911 or contact the media. Do not take photographs of the discovery.**

If it is unclear whether the skeletal remains are human or non-human, the construction manager or archaeological monitor will call the project archaeologist to identify the skeletal remains. In-field examination by the project archaeologist or a designated osteologist may include partial exposure of the discovery, but exposure will be limited to the minimum extent necessary to confirm whether the find is human or non-human.

- If the project archaeologist determines that **the remains are not human (that is, identified as animal bones)**, but **have an archaeological association**, then the procedures for the inadvertent discovery of *archaeological* resources outlined in the previous section will be followed.

- If the results of the examination indicate that **the remains are *not* human and do *not* have an archaeological association**, construction will be permitted to resume immediately.

- **If the remains *are human*,** the project archaeologist will immediately notify the City, the Oregon State Police, SHPO, the Legislative Commission on Indian Services, and Tribal contacts. Contact details are provided at the end of this document. The Oregon State Police will determine whether the remains are "forensic" and would be under the coroner's jurisdiction, or are "non-forensic." Representatives of the affected Tribes(s) in coordination with City and SHPO will consider the appropriate resolution and will come to a consensus regarding avoidance or reinterment of the remains elsewhere.

Monitoring Report

A final report detailing the results of archaeological monitoring will be prepared following the completion of monitoring. The report will include information about the monitoring activities and documentation of artifacts found (if any) and will include maps and photographs. Archaeological discoveries will be described in the report, as may be applicable. The report will be submitted to the City, SHPO, Tribes, and UOMNCH at the conclusion of the project.

INADVERTENT DISCOVERY PROCEDURES

Please see the attached IDP.

REFERENCES

Blaser, Andrea

2012 *A Summary of Historic Resource Reporting for the Downtown Riverfront Connection Project, The Dalles, Wasco County, Oregon*. Archaeological Investigations Northwest, Inc. Report No. 2893. Prepared for KPFF Consulting Engineers, Portland, Oregon.

Blaser, Andrea, Ron Adams, Judith A. Chapman, and John L. Fagan

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2001 The *Dalles Riverfront Access Conceptual Design Plan*. EDA Award No. 07-79-03940. Prepared for City of The Dalles, Oregon.

Ruiz, Christopher L., Patricia Markert, Brian Lane, and Andrew Boehm
2022 *The Dalles Riverfront Access Project, Wasco County*. University of Oregon Museum of Natural and Cultural History Report No. 2022-026. Submitted to Oregon Department of Transportation, Salem.

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2014 *Archaeological Study for the City of The Dalles Parking Structure, The Dalles, Oregon*. Archaeological Investigations Northwest, Inc. Report No. 3298. Prepared for the City of The Dalles, Oregon.

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Urness, Marilyn
2017 *Chinatown, The Dalles, Oregon 1860-1930*. The Optimist Printers, The Dalles, Oregon.

Whittington, Stephen
2022 *The Dalles Downtown Riverfront Connection Structural Assessment and Recommendations for Existing Stone Masonry Walls and Related Elements Along 1st Street Between Union Street and Washington Street.* KPFF Consulting Engineers, Portland, Oregon. On file, Archaeological Investigations Northwest, Inc., Portland, Oregon.

PROJECT CONTACTS

City of The Dalles
Joshua Chandler
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AINW
Nicholas Smits, M.A., R.P.A.
Senior Project Manager/Senior Archaeologist
nick@ainw.com
(971) 645-6078

TRIBAL CONTACTS

CONFEDERATED TRIBES OF WARM SPRINGS RESERVATION

Lawrence Squiemphen, THPO
lawrence.squiemphen@ctwsbnr.org
541-553-2026

CONFEDERATED TRIBES OF THE GRAND RONDE COMMUNITY OF OREGON

In the event of an inadvertent discovery, please contact:

Chris Bailey, Cultural Protection Specialist
chris.bailey@grandronde.org
503-879-1675

In the event of an inadvertent discovery of human remains, please contact:

Briece Edwards, Historic Preservation Manager
briece.edwards@grandronde.org
503-879-2084

CONFEDERATED TRIBES OF SILETZ INDIANS

Buddy Lane, Cultural Resources Manager
culturalresources@ctsi.nsn.us
541-444-8230

CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION

Teara Farrow Ferman, Cultural Resources Program Manager
tearafarrowferman@ctuir.org
541-276-3447

BURNS PAIUTE TRIBE

Cessilee Meyers, Interim Culture and Heritage Director
cessilee.meyers@burnspaiute-nsn.gov
541-313-6469

Plan and Procedure for the Inadvertent Discovery of Archaeological Resources and Human Skeletal Remains (Inadvertent Discovery Plan) The Dalles First Street Project, The Dalles, Wasco County, Oregon

This plan should be followed should archaeological sites, objects, or human remains be found. These are protected under Federal and State laws and their disturbance can result in criminal penalties.

In the event that ground-disturbing activities or other activities related to project construction uncover protected cultural material (see definitions below), the following actions shall be taken:

1. When an unanticipated discovery of protected **cultural material** (see definitions below) occurs, work in the immediate area must stop, and the contractor will completely secure the location and contact:
    a) City of The Dalles: Joshua Chandler, 541-296-5481 ext. 1121.
    b) Archaeological Investigations Northwest, Inc. (AINW): Nicholas Smits, 971-645-6078 (cell), 503-761-6605 (office).

    If AINW confirms that the discovery is archaeological:
    c) The Oregon State Historic Preservation Office (SHPO): John Pouley, 503-480-9164; Jamie French, 503-979-7580.
    d) And must consult with appropriate Native American Tribes for finds of Native American origin, as designated by the Legislative Commission on Indian Services (LCIS) (see Tribal contact information below).

2. If the discovery consists of **human remains**, the contractor will stop work within at least 30 meters (100 feet) of the human remains. Personnel should be instructed not to speak to the public or media about the discovery and the human remains will be protected from further disturbance and public viewing using methods that do not directly touch the remains. The contractor will immediately contact:
    a) City of The Dalles: Joshua Chandler, 541-296-5481 ext 1121.
    b) AINW: Nicholas Smits, 971-645-6078 (cell), 503-761-6605 (office).
    c) Oregon State Police **DO NOT CALL 911**: Primary Contact: Sargeant Ryan Tague, 541-576-4393; Secondary Contact: OSP Dispatch, 800-442-0776.
    d) LCIS: Primary Contact: Elissa Bullion, 971-707-1372; Secondary Contact: Patrick Flanagan, 503-986-1067; LCIS Office, 503-986-1067.
    e) SHPO: Primary Contact: John Pouley, 503-480-9164; Secondary Contact: Jamie French, 503-979-7580.
    f) Appropriate Native American Tribes, as designated by LCIS:
        - Confederated Tribes of Warm Springs Reservation: Lawrence Squiemphen, 541-553-2026.
        - Confederated Tribes of Grand Ronde: Briece Edwards, 503-879-2084
        - Confederated Tribes of Siletz Indians: Buddy Lane, 541-444-8230.
        - Confederated Tribes of the Umatilla Indian Reservation: Teara Farrow Ferman, 541-276-3447.
        - Burns Paiute Tribe: Cessilee Meyers, 541-413-6469.

NOTE: If you discover bones but are unsure if they are human, contact AINW and <u>stop all work in the area until discovery can be assessed</u>.

Procedures and Proceeding with Work

- No ground disturbing work should occur within at least 30 meters (100 feet), or more if appropriate, of a potential discovery. After an inadvertent discovery, some areas may be designated as close monitoring or "no work" zones.
- Personnel should NOT take photos of any potential human remains unless specifically directed by the project archaeologist, and then only for identification purposes. Photographs should not be shared or circulated to the public.
- Potential human remains should be protected from weather and public view using methods that do not directly touch the remains.
- Personnel should be instructed not to speak to the public or media about the discovery.
- Ground-disturbing activities can proceed *after* the proper archaeological inspections have occurred and environmental clearances are obtained.

Cultural material that may be protected by law could include but not be limited to:

- Buried layers of black soil with layers of shell, charcoal, and fish and mammal bones;
- Buried cobbles or broken rock, burnt earth, and charcoal that may indicate a hearth feature;
- Non-natural sediment or stone deposits that may be related to activity areas of people;
- Stone, bone, shell, horn, or antler tools that may include projectile points (arrowheads), stone flakes, wood working wedges or axes, and grinding stones;
- Wet areas may preserve remnants of wood and other plant fibers; in these locations there may be remains including fragments of basketry, weaving, wood tools, or carved pieces;
- Concentrations of historic-period artifacts (glass, ceramic, or metal items over 75 years old);
- Structural remains such as building foundations or cisterns;
- Human remains.
- **See examples of cultural materials in photos below (Figures 1 to 4).**

Tribal Contacts:

CONFEDERATED TRIBES OF WARM SPRINGS RESERVATION	
Lawrence Squiemphen, THPO lawrence.squiemphen@ctwsbnr.org 541-553-2026	
CONFEDERATED TRIBES OF THE GRAND RONDE COMMUNITY OF OREGON	
In the event of an inadvertent discovery, please contact: Chris Bailey, Cultural Protection Specialist chris.bailey@grandronde.org 503-879-1675	*In the event of an inadvertent discovery of human remains, please contact:* Briece Edwards, Historic Preservation Manager briece.edwards@grandronde.org 503-879-2084
CONFEDERATED TRIBES OF SILETZ INDIANS	
Buddy Lane, Cultural Resources Manager culturalresources@ctsi.nsn.us 541-444-8230	
CONFEDERATED TRIBES OF THE UMATILLA INDIAN RESERVATION	
Teara Farrow Ferman, Cultural Resources Program Manager tearafarrowferman@ctuir.org 541-276-3447	
BURNS PAIUTE TRIBE	
Cessilee Meyers, Interim Culture and Heritage Director cessilee.meyers@burnspaiute-nsn.gov 541-313-6469	

Figure 1. Examples of stone tools, lithic debitage, and a bone awl.

Figure 2. Examples of historic-period artifacts, including ceramic fragments, bottle glass fragments, and square nails.

Figure 3. Charcoal and burned earth exposed during grading. Each band on the scale bar is 10 centimeters (4 inches).

Figure 4. A section of historic-period concrete pathway. Each band on the scale bar is 10 centimeters (4 inches).

ARCHAEOLOGICAL TREATMENT PLAN

FOR THE DALLES FIRST STREET PROJECT,

THE DALLES, WASCO COUNTY, OREGON

Prepared for
KPFF Consulting Engineers
Portland, Oregon
and
City of The Dalles, Oregon

October 10, 2025

REPORT NO. 5488

Archaeological Investigations Northwest, Inc.

3510 NE 122nd Ave. ● Portland, OR ● 97230 Phone 503 761-6605 ● Fax 503 761-6620

ARCHAEOLOGICAL TREATMENT PLAN FOR THE DALLES FIRST STREET PROJECT, THE DALLES, WASCO COUNTY, OREGON

INTRODUCTION

The City of The Dalles (City) proposes to improve E First Street between Union and Laughlin Streets in The Dalles, Wasco County, Oregon (Figures 1 and 2). Proposed improvements to E First Street and cross streets include new sidewalks, curbs, curb ramps compliant with the Americans with Disabilities Act (ADA), underground utilities, lighting, signage, drainage, landscaping, and new asphalt pavement. The project will take place in public rights-of-way. It also includes permanent and temporary construction easements on public and private land. The project area includes all areas where ground disturbance will occur, and permanent construction easements where no ground disturbance is planned. Staging of equipment and materials will occur within the project area. If additional space is needed for staging, paved surfaces outside of the project area may be used for temporary staging.

Across the western half of the project, E First Street is supported by a linear embankment of fill material emplaced in the early 1880s when the Oregon Railway and Navigation Company (OR&N) Main Line was constructed down the middle of the street, which raised the grade of the street by an estimated 2.7 to 3.0 meters (m) (9 to 10 feet [ft]) at the western end of the project. The fill embankment is less pronounced in the eastern half of the project, where the modern grade of E First Street generally matches that of the adjacent lots to the south, which were also raised with fill material (Smits and Fagan 2014a). In 1978, the railroad tracks were moved from the middle of E First Street to the north side of the street. Today, the railroad to the north of the project is owned and operated by Union Pacific (Cecil 2020).

The City has been planning improvements along E First Street and adjacent land for more than 25 years, focusing on improving pedestrian safety, addressing aging infrastructure, and developing access points between downtown The Dalles and the nearby Columbia River (CH2MHILL et al. 2001). Previous iterations of the project along E First Street, alternately referred to as The Dalles Riverfront Access or The Dalles Riverfront Connection project, were intended for completion with federal funds administered by the Oregon Department of Transportation (ODOT) (ODOT Key No. 15471; Oregon State Historic Preservation Office [SHPO] Case No. 07-0844) (Blaser 2012; Blaser et al. 2009; Ruiz et al. 2022). The design of the project has been scaled back over time, and it no longer involves federal funding or permitting. The project will be completed using local funds, with the City as the lead agency, and is now assigned SHPO Case No. 23-0717.

Archaeological Investigations Northwest, Inc. (AINW), is assisting the City with meeting its responsibilities for complying with state laws regarding archaeological sites and historic resources. In 2025, AINW completed cultural resource investigations that supplemented earlier studies completed for the project along E First Street (Smits et al. 2025). Four known archaeological sites—35WS453, 35WS620, 35WS805, and 35WS806—overlap the City's project area. SHPO determined all four sites to be eligible for listing in the National Register of Historic Places (NRHP). Avoidance of these four archaeological sites is not feasible given the scope of the City's project. This archaeological treatment plan provides treatment measures for each of the four archaeological sites that overlap the project. Archaeological work is proposed under an amended SHPO Permit No. AP-4033. The permit application provides more information regarding the project's cultural context and other background information.

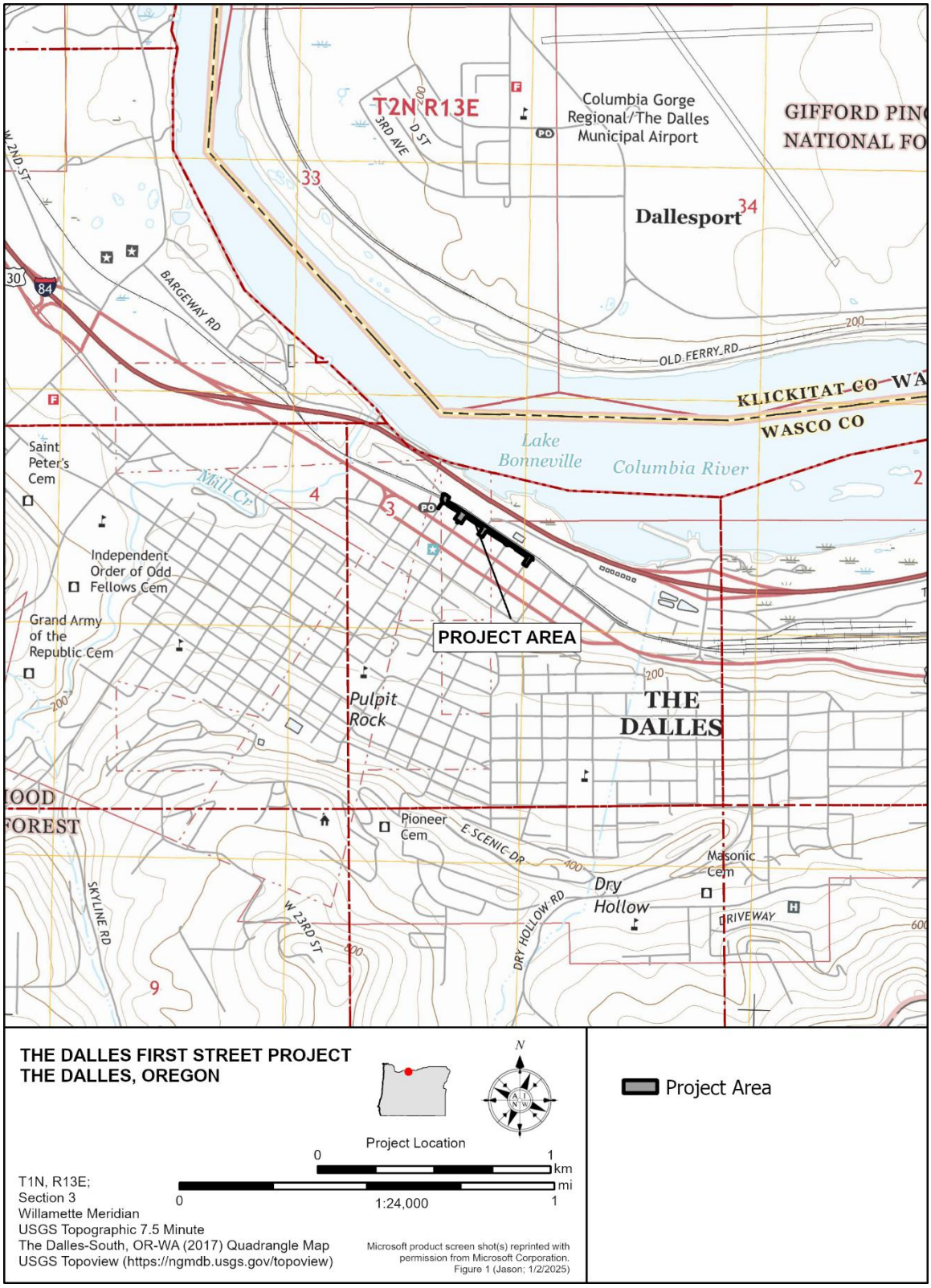

Figure 1. The Dalles First Street project area in The Dalles, Wasco County, Oregon.

Figure 2. Map of the First Street project area showing recorded archaeological site boundaries.

The proposed First Street project also overlaps The Dalles Commercial Historic District, which is listed in the NRHP. Streetscape features of E First Street, including the historic stone retaining walls and other features, are eligible for listing in the NRHP and contribute to The Dalles Commercial Historic District. Adverse effects to The Dalles Commercial Historic District and its contributing streetscape features are being mitigated under a Memorandum of Understanding developed through consultation between the City and SHPO, Native American Tribes, and other parties in accordance with ORS 358.653.

PLANNED GROUND DISTURBANCE

As of 2025, the project area is almost entirely paved with asphalt and concrete. Most of the proposed ground-disturbing work for the City's First Street project will involve shallow mechanical excavation approximately 0.3 m (1.0 ft) or less below existing grade, meaning that much of the construction work will occur within the fill material that supports E First Street. Deeper excavations are planned for new utilities and connections; these excavations will include trenching as deep as 1.2 to 1.8 m (4 to 6 ft) for water and stormwater. The depths of the proposed utility trenches indicate they will likely be entirely within fill material at the western end of the project, and may extend below the fill material and into native sediments toward the eastern end of the project.

Along the south side of E First Street are stone masonry walls that retain fill material supporting the street and sidewalks between Union and Washington Streets (Photos 1, 2, and 3). Along most of this stretch, there is a set of two parallel retaining walls, one hidden behind the other. Figure 3 illustrates a typical wall section (after Whittington 2022). An inner wall consists of a sloped, dry-stacked stone wall assumed to have been constructed to support the new grade of the street when it was raised in the 1880s. The outer, nearly vertical sections of retaining wall visible along the south side of E First Street vary in height from about 2.7 m (9 ft) near Union Street to heights of about 1.8 to 1.2 m (6 to 4 ft) near Court and Washington Streets, respectively (Whittington 2022). These support the outer edge of the modern sidewalk and retain sandy fill material between the outer and inner retaining walls. The outer wall sections are of various ages and methods of construction (Blaser et al. 2009). The outer sections of stone retaining wall on these two blocks are planned to be removed and replaced as part of the City's project. The inner wall will be removed or retained in place as needed during construction.

Along the south side of E First Street between Union and Washington Streets, replacement of the existing stone retaining walls will require excavation at the base of the wall to a depth of approximately 0.5 m (1.5 ft) below the current ground surface, and behind the wall approximately 0.9 m (3.0 ft) northward into the fill material. The City and its engineering consultants have planned to minimize impacts to archaeological sites 35WS453 and 35WS805 as much as possible by limiting excavation only to the depth needed to remove and replace the retaining walls on these two blocks. The areas to be impacted during the retaining wall replacement are behind and beneath the existing walls and are not accessible for archaeological testing until construction begins and the existing walls are removed. Figure 3 shows where additional controlled archaeological excavations are proposed to be focused during construction, after the outer retaining wall is removed and before the new retaining wall is constructed.

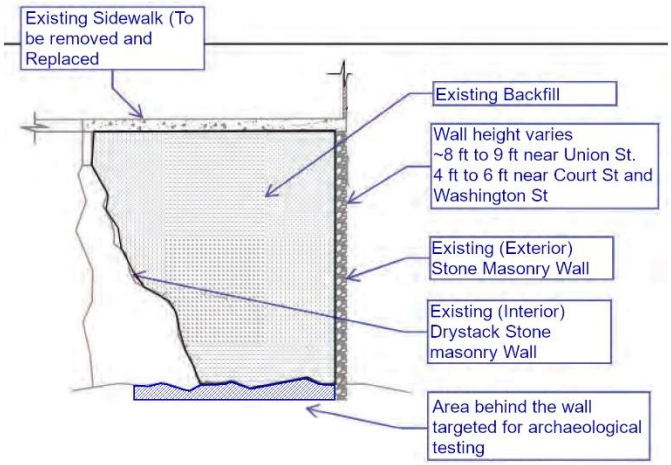

Figure 3. Typical existing wall section showing the area behind and beneath the walls targeted for archaeological testing when it is exposed during construction after the outer wall is removed (after Whittingham 2022:Figure ES1).

Photo 1. Section of stone retaining wall supporting E First Street between Union and Court Streets. The view is towards the northwest along the south side of E First Street.

Photo 2. Section of stone retaining wall supporting E First Street between Court and Washington Streets. The Wing Hong Hai Co. building at 201 E First Street is at right. The view is towards the east/northeast.

Photo 3. Sections of stone and concrete retaining walls and building foundation remnants along the south side of E First Street between Washington and Court Streets at site 35WS453. The Wing Hong Hai Co. building at 201 E First Street is in the background. The view is towards the northwest.

Adjacent to the Baldwin Saloon at E First and Court Streets, rather than two parallel retaining walls there is an enclosed, L-shaped sidewalk vault between the existing building and the inner dry-stacked rock retaining wall. The building itself serves to support the outer edge of the elevated sidewalk. This is the location of archaeological site 35WS805, in the sidewalk vault beneath the sidewalk. Immediately west of the Baldwin Saloon building, the sidewalk vault is open and supported by concrete pillars (Photos 4, 5, and 6). The plan in these areas adjacent to the Baldwin Saloon at site 35WS805 is to remove the existing sidewalk and concrete pillars, and to replace the existing rock retaining wall with a new gabion wall. To support the outer edge of the new sidewalk in this vicinity, micropiles will be used as foundation support elements. Micropiles will consist of drilled bore holes reinforced with steel casing and cement grout. Micropiles will be spaced approximately 4.6 m (15 ft) apart and drilled using a 6-inch diameter bore to a depth of approximately 10.7 m (35 ft) below the surface. Between the micropiles supporting the outer edge of the new sidewalk and the new gabion wall supporting the inner edge of the new sidewalk, the existing ground surface will be left in place, and the space will be left as a cavity.

The sections of retaining walls between Court and Washington Streets at site 35WS453 include remnants of former building foundations that also function as retaining walls. The City plans to preserve the remnant façade of the former Chew Kee & Co. building that formerly stood at 214 E First Street. The materials associated with the former building walls, including poured concrete, brick, and cast iron, will be stabilized as removal and replacement of the sidewalk occurs. The potential exists for inadvertent damage to occur as the existing sidewalk and fill are removed and reconstructed, but the intention is to preserve the façade in place.

Photos 4, 5, and 6. Site 35WS805 is within a vault below the E First Street sidewalk, where it abuts the Baldwin Saloon at 205 Court Street. The entry to the vault adjacent to Baldwin Saloon (upper left) and an overview of the vault interior (upper right) are viewed towards the east-southeast.

ARCHAEOLOGICAL SITES

Four archaeological sites have been documented on the south side of E First Street overlapping the project area. SHPO determined all four sites to be eligible for listing in the NRHP. The sites are summarized below, followed by a description of proposed treatment measures.

Site 35WS453

Multi-component site 35WS453 encompasses most of the city block between Court and Washington Streets south of E First Street (Figure 2; Photos 2, 3, and 7). The archaeological record at site 35WS453 includes deep, intact, stratified, significant archaeological deposits. Much of site 35WS453 is capped by a paved asphalt parking lot that is approximately 1.8 m (6 ft) lower in elevation than the raised grade of E First Street. The historic-period component of site 35WS453 is associated with commercial and residential occupation of the block between the 1850s and 1950s. Between the 1880s and 1930s, this part of First Street was the center of The Dalles' Chinese community, anchored by businesses including stores, laundries, and boardinghouses (French 2016; Gleason 2008; Maddoux 2015; Smits and Fagan 2014b). Also identified among the historic materials at the site were several lithic objects (at least one stone tool and several flakes) associated with Indigenous occupation of this area.

Archaeologists Eric Gleason and Jacqueline Cheung, who own the property at 210 E First Street (former Wing Hong Hai Co. building), have conducted extensive research on the site's history following archaeological excavations behind their building in 2011-2012 (e.g., Cheung and Gleason 2021; Gleason 2015; Rose et al. 2021). Gleason (2008) recorded site 35WS453 in 2008 after construction-related activities inadvertently removed a section of pavement on the property, exposing fragments of Chinese domestic ceramics, a gaming piece, and fragments of bottle glass. Mr. Gleason (2008) also recorded buildings and architectural remnants on the block as features of site 35WS453. Some of the architectural features identified by Gleason (2008) were also recorded by AINW (Blaser 2008, 2012; Blaser et al. 2009; Smits et al. 2025).

Photo 7. Overview of site 35WS453, facing northwest towards E First Street. The Wing Hong Hai Co. building is at center.

In 2011-2012, Gleason and Cheung conducted archaeological testing on their property at 210 E First Street under Archaeological Permit No. AP-1398 issued to Melissa Darby (French 2016; Maddoux 2015). Five 1x1-m (3.3x3.3-ft) test units were excavated at that time. The results indicated that intact, stratified archaeological deposits are present behind the building and are associated with occupation of the parcel by members of The Dalles' Chinese community between the 1880s and 1930s. Following their archaeological testing, Gleason and Cheung have conducted extensive historical research on the occupants of site 35WS453 (Cheung and Gleason 2021; Gleason 2015; Rose et al. 2021).

In 2012-2013, AINW conducted archaeological testing on vacant parcels to the east of the Wing Hong Hai Co. building (Smits and Fagan 2014a). This area is currently a paved parking lot owned by the Columbia Gateway Urban Renewal Agency, a component unit of the City. AINW's testing in 2012-2013 consisted of exploratory mechanical excavations to remove the asphalt and overlying fill material, and manual excavation of four 1x1-m (3.3x3.3-ft) test units. Two of the test units were excavated in areas that were formerly open yards behind buildings at 214 and 216 E First Street, before the buildings were demolished in the 1950s (Smits and Fagan 2014b). A trench excavated across the buried foundation wall separating the two buildings indicated that the foundations of the buildings were filled in after the buildings were demolished in the 1950s.

The combined results of these testing efforts indicate that intact, stratified archaeological deposits extend across multiple lots fronting E First Street at site 35WS453. The archaeological deposits identified in yard areas behind the footprints of existing and former buildings contain a high density of historic-period artifacts and faunal remains associated with occupation of the site by The Dalles' Chinese community between the 1880s and 1930s. The pre-contact component of the site consists of at least eight lithic objects, including one arrow-sized preform and seven flakes that represent byproducts of stone tool manufacture (Smits and Fagan 2014b). The lithic objects were found in historic-period contexts along with historic materials. Limited testing within the footprints of demolished buildings indicates they were filled after the buildings were razed. As a result of the work, AINW recommended site 35WS453 to be eligible for listing in the NRHP under Criteria A and D (Smits and Fagan 2014b). SHPO concurred with this recommendation in 2014.

In 2022, Ruiz et al. (2022:13-14) excavated two 50x50-centimeter (cm) (20x20-inch [in]) probes in the sidewalk on the south side of First Street, which extends across the top of the retaining wall above the rest of site 35WS453. A total of 23 historic-period artifacts were identified in the fill material that supports the raised sidewalk (Ruiz et al. 2022:13-14). The artifacts were found to a depth of approximately 70 cm (28 in) below the surface of the sidewalk. The site boundary for 35WS453 was updated to include the artifacts identified in fill material under the sidewalk (Ruiz 2022a).

In 2023, AINW monitored the drilling of four geotechnical bores in E First Street in support of The Dalles First Street project (AP-3650) (Hulse and Smits 2024). Two of the bores (B-3 and B-4) were excavated between Court Street and Washington Street, just north of site 35WS453. Boring B-3 encountered 3 m (10 ft) of gravelly sand fill over fine-grained wetland sediments. Boring B-4 encountered 2.3 m (7.5 ft) of gravelly sand fill. In boring B-4, six sherds of undecorated white porcelain were identified during drilling between 2.3 and 3 m (7.5 and 10 ft) below the surface of the street near the base of the circa 1880 fill material. The boundary of site 35WS453 was updated to include the location of boring B-4.

Ground-disturbing impacts planned at site 35WS453 will be limited to areas that are currently inaccessible behind and beneath the existing stone walls that retain fill material supporting E First Street (Figures 3 and 4). AINW proposes to conduct archaeological monitoring during excavation of fill material behind the existing walls and as the walls themselves are deconstructed. At that point, archaeological test excavations are proposed in areas that will be exposed behind the walls to determine if archaeological deposits are present behind and beneath the walls, and if so to sample them and recover potentially significant archaeological data before the new walls are constructed. Because archaeological testing will need to occur during construction after the existing retaining walls are removed but before new walls are constructed, the work will require close coordination with the excavation contractor and communication of results with the SHPO and Tribes.

Site 35WS620

Historic-period archaeological site 35WS620 encompasses several City-owned parcels on the south side of E First Street between Washington and Federal Streets, in an area currently occupied by paved parking lots (Photo 8) (Smits and Fagan 2014a). Archaeological work at the site in 2012-2013 included monitoring of several geotechnical bores followed by exploratory mechanical excavations. The site consists of buried remnants of buildings and structures demolished in the 1940s-1950s and capped with thick deposits of fill material (Smits and Fagan 2014a). Scattered historic-period artifacts were also identified in the fill material that was found to extend to a depth of approximately 1.8 m (6.0 ft) below the surface across much of the site. Two potential historic-period features were identified beneath the thick fill deposits. In at least one area of the site, fill material was identified to a depth of 4.2 m (14.0 ft) below the surface.

In 2014, AINW recommended avoidance of potentially intact archaeological deposits at the site by restricting ground-disturbing activities to the fill material that is present in most areas to a depth of at least 1.8 m (6.0 ft) below the surface (Smits and Fagan 2014a). SHPO concurred with AINW's recommendation in 2014, agreeing that there would be no adverse effect to site 35WS620 if ground-disturbing activities could be restricted to the fill material in the upper 1.8 m (6.0 ft) of the site, which does not retain integrity. The site was later determined eligible for listing in the NRHP in 2025.

The City's First Street project overlaps the northern edge of site 35WS620, where shallow excavation is planned. Project impacts will occur entirely within fill material and will extend to a maximum depth of 30 cm (12 in) within the site. Because the project's impacts will be within the thick fill deposits that cap site 35WS620 and that do not retain integrity, the site will not be adversely affected. AINW recommends monitoring during construction excavations at site 35WS620 to ensure that project construction is limited to previously disturbed fill contexts. In the unlikely event that intact archaeological deposits or features are identified at site 35WS620 during monitoring, additional archaeological excavation may be recommended under SHPO Permit No. AP-4033.

Figure 4. Areas where controlled archaeological excavations and monitoring are recommended at sites 35WS453, 35WS620, 35WS805, and 35WS806

Photo 8. Overview of site 35WS620, which is located at the parking lot at right. E First Street is at left. The view is facing southeast.

Site 35WS805

Historic-period site 35WS805 is at the southwest corner of the intersection of E First and Court Streets (see Figure 2; Photos 4, 5, and 6). The site was recorded by Ruiz et al. (2022:14-15, 19-24) during a cultural resource survey of E First Street for The Dalles Riverfront Access project. Site 35WS805 is an L-shaped site located in the City's right-of-way in a hollow vault under the raised grade of the sidewalk that wraps around the north and east sides of the Baldwin Saloon building at 205 Court Street. The vault beneath the raised sidewalk was constructed in the 1880s when the road prism was raised with fill material around the building to accommodate the OR&N railroad. Although the vault is in the City's right-of-way under the sidewalk, the enclosed space was used for storage of coal and other materials by occupants of the adjacent Baldwin Saloon building (Ruiz et al. 2022:14-15, 19-24). The vault is enclosed by a concrete wall and door at the northwest corner of the building.

At site 35WS805, Ruiz et al. (2022) excavated a 50x50-cm (10x20-in) square probe within the sidewalk vault on the east side of the Baldwin Saloon building. From the ground surface of the vault under the raised sidewalk, the probe (Probe 5) was excavated to a depth of about 80 cm (31 in) and was augered to a depth of 180 cm (71 in) below the surface. Historic and modern materials were found mixed in the upper 30 cm (12 in) of the probe. At a depth of 40 cm (16 in) below the surface there was a concentration of building demolition debris. Historic artifacts were identified to a depth of 150 cm (59 in) below the surface in a matrix consisting of alternating layers of sandy sediments (Ruiz 2022b; Ruiz et al. 2022:15). Over 294 historic artifacts were identified in the probe, including structural materials, domestic artifacts, personal items, items of indefinite use, and miscellaneous items. Artifacts recovered from the site were produced in the late nineteenth and twentieth centuries.

In 2024, AINW excavated a 50x50-cm (10x20-in) quarter testing unit (QTU-1) in the open sidewalk vault west of the Baldwin Saloon (Smits et al. 2025). Historic-period archaeological deposits identified in QTU-1 are associated with the Baldwin Restaurant that formerly stood on the parcel to the south between the 1880s and at least 1909. Archaeological materials recovered from QTU-1 included a

range of architectural, domestic, and personal artifacts and faunal specimens recovered from stratified archaeological deposits. Also identified at the site were several lithic artifacts found among the historic artifacts in redeposited contexts. In addition, a human tooth was identified at site 35WS805 in an archaeological context among historic-period artifacts and lithic flakes (Smits et al. 2025).

Because of the site's urban context, the depositional history of the archaeological deposits at site 35WS805 is relatively complex and likely varies from one lot to the next. The archaeological deposits within the right-of-way in this location are interpreted to have been formed in part by cutting and filling activities that occurred before and after the street was raised to accommodate the railroad in the early 1880s. After the street was raised, the location of site 35WS805 would have been enclosed in a sidewalk vault between the street to the north and the restaurant building to the south—one of several commercial buildings fronting E First Street on this block. The sidewalk vault was likely used for freight deliveries, for extra storage space, and for disposing of refuse.

Site 35WS805 was recommended significant under National Register Criterion A because of its association with operation of the Baldwin Saloon and Baldwin Restaurant between the late 1870s and 1920s, and also because of its association with the OR&N's raising of the grade of First Street in the early 1880s. Site 35WS805 was also recommended to be significant under Criterion D because of its ability to yield important information regarding the history of this part of The Dalles between the late 1870s and 1920s. The pre-contact component of site 35WS805 was recommended to contribute to its significance under Criterion D. The lithic flakes and tool recovered from quarter test unit QTU-1 at site 35WS805, though few in number, are associated with Indigenous occupation of this area. Based on the results of archaeological testing, the upper 25 cm (10 in) of site 35WS805 does not retain integrity. The upper 25 cm (10 in) of the archaeological deposit has been impacted by recent activities, including parking lot construction on the west side of the Baldwin Saloon. Historic artifacts in the upper 25 cm (10 in) of the site were found intermixed with imported gravel and modern items in a clearly disturbed context.

To date, archaeological testing on this block has been limited to the City's right-of-way, focused in currently accessible areas within the sidewalk vault that are planned to be impacted by the First Street project. Ground-disturbing impacts planned at site 35WS453 will mostly occur in areas that are currently inaccessible behind and beneath the existing stone walls that retain fill material supporting E First Street (Figures 3 and 4). AINW proposes to conduct archaeological monitoring during excavation of fill material behind the existing walls and as the walls themselves are deconstructed. At that point, archaeological test excavations are proposed in areas that will be exposed behind the walls to determine if archaeological deposits are present behind and beneath the walls, and if so to sample them and recover potentially significant archaeological data before the new walls are constructed. Because archaeological testing will need to occur during construction after the existing retaining walls are removed but before new walls are constructed, the work will require close coordination with the excavation contractor and communication of results with the SHPO and Tribes. Archaeological deposits at site 35WS805 may extend west behind the retaining wall that runs along the south side of E First Street between Union and Court Streets, and for this reason archaeological testing is also proposed west of the recorded boundary of site 35WS805. Archaeological monitoring is also planned at site 35WS805 during drilling to install micropiles adjacent to the Baldwin Saloon Building.

Photo 9. Overview of site 35WS806 at the southeast corner of the intersection between E First Street and Laughlin Streets.

Site 35WS806

Site 35WS806 was identified by Ruiz et al. (2022) during testing at the southeast corner of the intersection of E First and Laughlin Streets (Figure 2; Photo 9). The site is located within the City's right-of-way. Ruiz et al. (2022) excavated a 30x30-cm (12x12-in) square probe in a narrow unpaved, grassy strip along the north side of the building at 206 Laughlin Street. The probe (Probe 9) was excavated to a depth of about 60 cm (24 in) and augered to a depth of 262 cm (103 in) below the surface. A buried 1.5-inch diameter pipe was encountered at a depth of 62 cm (24 in) below the surface. The pipe may have been an abandoned gas pipe leading to a nearby streetlamp. Above the pipe, historic materials identified in the probe included glass bottle fragments, brick fragments, one sherd of transfer-printed ceramic tableware, wire nails, a plastic nut from a stringed instrument, lamp chimney glass, and large quantities of slag and bitumen (Ruiz et al. 2022:16). A single cryptocrystalline silicate flake was identified among the historic materials in a disturbed context above the pipe. Below the pipe were a small number of historic items found during augering. The western portion of the site includes a concrete sidewalk on the west side of the building where the metal base from a gas lamppost was observed embedded in the sidewalk.

Site 35WS806 was determined by SHPO to be eligible for listing in the NRHP in 2025. Based on the results of previous archaeological work by Ruiz et al. (2022), AINW recommends that the City's First Street project will have no adverse effect on site 35WS806. Ruiz (2022c) reports that the site exhibits a "considerable degree of disturbance." The presence of a plastic nut indicates that archaeological deposits encountered above the buried pipe at 62 cm (24 in) date to the 1940s or later and do not retain integrity (Ruiz et al. 2022:27). In addition, the location of Probe 9 was outside of the current project, in an area that will not be impacted by construction. The western portion of the site, where the current project overlaps the archaeological site boundary, is covered with a concrete sidewalk. The maximum depth of disturbance for the City's proposed work in this vicinity is 30 cm (12 in) to replace the sidewalk and curb, and project work will occur entirely within a previously disturbed context. Because the upper 62 cm (24 in) of the site does not retain integrity, the City's project will not adversely affect the site. AINW

recommends monitoring during construction excavations at site 35WS805 to ensure that project construction is limited to previously disturbed contexts. In the unlikely event that intact archaeological deposits or features are identified at site 35WS806 during monitoring, additional archaeological excavation may be recommended under SHPO Permit No. AP-4033.

TREATMENT MEASURES

Controlled archaeological excavation consists of archaeological excavation using hand tools. The excavations will be overseen by a professional archaeologist and be conducted under permit from SHPO. The excavations will consist of quarter test units measuring 50x50 cm (20x20 in) and/or test units measuring 1x1 m (3.3x3.3 ft). The units will be excavated by hand in arbitrary 10-cm (4-in) levels following methods described in SHPO permit No. AP-4033 and summarized below.

Archaeological monitoring: The City's archaeological consultant will monitor project ground disturbances at sites 35WS453, 35WS620, 35WS805, and 35WS806, and other areas of the project as indicated by this treatment plan and adhering to the methodologies outlined in the project's monitoring plan. *Be prepared for work stoppages.* The archaeologist may order a work stoppage to allow investigation of potential archaeological discoveries. Discovery protocols outlined in the project's monitoring plan and inadvertent discovery plan (IDP) will be followed.

Research Design and Field Methods

The research design and field methods for proposed archaeological work at sites 35WS453, 35WS620, 35WS805, and 35WS806 are described in the permit application for SHPO Permit No. AP-4033 and summarized below. As noted earlier, the project area is almost entirely paved with asphalt and concrete. Archaeological testing to date has been focused in areas that will be impacted by construction and that are accessible before construction begins. Additional archaeological work is proposed during project construction to look for potentially significant archaeological deposits behind and beneath the existing retaining walls in areas that will be exposed after the walls are removed. Treatment measures proposed at sites 35WS453 and 35WS805 include controlled archaeological excavation during construction to determine if archaeological deposits are present behind the retaining walls when they are removed, and if so to recover significant archaeological data that would be impacted by construction of new walls. Archaeological monitoring is also proposed at all four sites (35WS453, 35WS620, 35WS805, and 35WS806) during project construction.

Research Questions

Research questions formulated for the project provide a framework for guiding the archaeological fieldwork, analyses, and reporting. Under SHPO Permit No. AP-4033, additional archaeological work aims to address the research questions listed below.

- *Are subsurface archaeological deposits present in areas that will be impacted by the project? If so, are the archaeological deposits significant and do they retain integrity?*
- *If an archaeological site is identified, can the age and function be determined?*

- *If pre-contact cultural materials are present, are they temporally or technologically diagnostic, and are they able to convey information about past land use and/or subsistence strategies of the people who lived here in the past?*
- *If evidence of a historic-period archaeological site is identified, is it associated with a nearby documented site, or is it a separate archaeological site? What does it convey about the development of this part of The Dalles?*
- *How will these data help expand our understanding of pre-contact and historic-period occupation and use of the project area and vicinity?*
- *If an archaeological site cannot be avoided, how will it be impacted by the proposed project?*

Archaeological and historical data from sites 35WS453 and 35WS805 also have the potential to address additional research questions regarding the early development and growth of the city, the transition of First Street from the city's main commercial thoroughfare to a less reputable district along the railroad tracks after the 1880s, and the operation of businesses fronting First Street, including Chinese-owned businesses in the late nineteenth and early twentieth centuries.

Field Methods

Quarter test units are proposed to be excavated at archaeological sites 35WS453 and 35WS805 in areas of the project that are currently inaccessible behind the existing retaining walls. First, archaeological monitoring will be performed as the construction contractor mechanically removes the fill material behind the retaining walls and as the walls themselves are deconstructed. After the existing walls are removed, a minimum of six quarter test units will be excavated in newly exposed areas behind the walls to look for potentially significant archaeological deposits behind and beneath the existing retaining walls. At a minimum, four quarter test units will be excavated behind/beneath the retaining walls at site 35WS453, and two quarter test units will be excavated behind/beneath the retaining walls in and near site 35WS805 after the walls are removed. The approximate locations of the quarter test units are shown in Figure 4. The archaeologist on the ground will have the flexibility to choose specific locations of the quarter test units based on observations made during monitoring as the retaining walls are removed.

AINW will excavate the quarter test units in 10-cm (4-in) levels to a minimum depth of 50 cm (20 in) below the surface. Excavation will continue until two consecutive levels without artifacts are reached, unless obstructions are encountered that prevent deeper excavation by hand. Augers may be used to extend the depth of the unit if archaeological materials are observed to 70 cm (28 in) or to determine if deeply buried archaeological deposits are present. Excavation unit locations will be mapped using a GPS device.

AINW and the City will communicate the results of the monitoring and quarter test unit excavations by email as the fieldwork occurs. Based on the results of the initial quarter test unit excavations, AINW will make recommendations by email to SHPO and Tribes. If no evidence of significant archaeological deposits is identified, or if significant archaeological deposits are identified that can be avoided by construction, AINW will recommend that construction proceed with a monitor present. If evidence of significant archaeological deposits is identified that cannot be avoided by the project, additional archaeological excavation may be recommended to recover significant data before the new retaining walls are constructed. Additional archaeological excavations may consist of additional quarter test units excavated individually or adjacent to each other to form 1.0x0.5-m (3.3x1.6-ft) half test

units or 1x1-m (3.3x3.3-ft) test units, or other combinations, to allow for deeper excavation or broader exposure, depending on findings and to gather additional data.

If an archaeological feature is encountered, the feature may be sampled and/or more fully exposed using controlled excavation. In this event, the feature will be excavated separately from the rest of the unit level(s). Quarter test units or test units may be combined to provide greater exposure of the feature. Bulk samples will be taken from the feature for fine-mesh water screening to recover faunal and botanical remains, if present. Bulk samples will typically measure a minimum of a liter in volume (10x10x10 cm [4x4x4 in]).

Safety and Security

During the archaeological work, First Street will be closed and fenced off as a secure construction site to ensure the safety of the public and to protect open excavations and possible exposed archaeological deposits from potential looting. During the controlled archaeological excavations, AINW will work with the excavation contractor and the City to ensure safe working conditions. After the existing retaining walls are removed, fill material behind the wall may need to be benched, sloped, or shored to create safe working conditions for the archaeologists. Personnel working at the site will be required to wear appropriate personal protective equipment. Manual excavation of units and features will be completed in vertical sections not to exceed 1.2 m (4.0 ft) feet in depth to comply with Occupational Safety and Health Administration (OSHA) requirements. If deeper excavation by hand is required, OSHA-compliant shoring systems may be needed.

Communication Plan

Communication between the City, AINW, SHPO, and Native American Tribes is important for the success of the project and to ensure compliance with state laws. AINW will assist the City and its contractors with communicating details of the project with SHPO and Tribes. These include providing at least two weeks' notice in advance of the start of construction, periodic updates on the project schedule, regular email summaries of the results of archaeological fieldwork, and other relevant information.

Because the controlled archaeological excavations will occur during project construction (after the existing stone walls are removed and before the new walls are built), AINW will email the results of the fieldwork to SHPO and Tribes for review and comment. After the initial six quarter test units are excavated, AINW will email a summary of the results to SHPO and Tribes along with a recommendation for either 1) construction to proceed with a monitor present, or 2) additional archaeological work to be completed before construction proceeds. At this point during the archaeological work, time will be of the essence because the area behind the retaining wall will be exposed, leaving it vulnerable for site safety and security reasons. There are safety concerns regarding the stability of the fill material after the existing walls are removed and before the new wall is constructed. After AINW emails the field results and recommendations to SHPO and Tribes, AINW requests comments within 2 days. AINW's archaeologist will be available by phone or email during this time to discuss the results and recommendations.

Artifact Collection, Laboratory Processing, and Curation

Temporally and functionally diagnostic pre-contact and historic-period artifacts may be collected from the ground surface, if observed during the fieldwork. Pre-contact and historic-period artifacts will be collected during excavation of quarter test units and/or test units, and may be collected during archaeological monitoring. If large amounts of non-diagnostic construction debris (such as brick fragments, wood fragments, or metal) are encountered within subsurface units, then representative samples will be collected. Hazardous or potentially hazardous materials will not be collected.

Bulk soil samples may be collected from the excavation of test units or archaeological features. If charcoal is present, appropriate samples may be collected and submitted for radiocarbon dating. If obsidian artifacts are present, samples may be analyzed to determine raw material sources and assess hydration measurements to determine the relative age of associated site deposits. If lithic tools are recovered, selected tools may be tested for animal blood residue to identify what people hunted. Before these types of analyses are performed, AINW will communicate a plan with SHPO and Tribes.

Artifacts and samples collected during AINW's investigations will be temporarily stored in the AINW laboratory for analysis and processing. They will be permanently curated at the University of Oregon Museum of Natural and Cultural History (UOMNCH) along with the submitted site records. Funerary objects, sacred objects, and objects of cultural patrimony, if inadvertently collected, will be returned to the appropriate Tribe rather than curated at UOMNCH.

Archaeological Monitoring

Archaeological monitoring will be performed during ground-disturbing work at sites 35WS453, 35WS620, 35WS805, and 35WS806. Monitoring will also be performed during construction activities that have the potential to encounter buried archaeological deposits beneath the fill material that supports First Street (for example, during utility trenching). A monitoring plan and an IDP have been developed for the project and will be implemented during construction.

Pre-contact and historic-period archaeological deposits and features are common in and near the project area. There is the potential for construction excavations to encounter buried archaeological deposits and/or features beneath the embankment of fill material that supports First Street. There may also be scattered historic or pre-contact artifacts in the fill material, though these would not likely be considered significant. Remnants of historic infrastructure, such as fire cisterns and abandoned utilities, may be encountered under the street based on a review of Sanborn maps and other historical records; these would be considered archaeological resources under state law if older than 75 years of age. The archaeologist may order a work stoppage to allow investigation of potential archaeological discoveries. Discovery protocols outlined in the monitoring plan and IDP will be followed.

Reporting

As described above, this project involves unique safety and security considerations for archaeology when the existing retaining walls are replaced. During the course of the project, the City and AINW will communicate field results and recommendations by email and telephone to expedite communication and coordination with SHPO and Tribes.

After the field and laboratory work has been completed, a final report will be prepared to satisfy requirements under the SHPO permit. The report will be due two years after the date the permit is issued by SHPO. The report will discuss the research questions and approaches used to address them, methods of excavation and analyses, interpretation of the archaeological data, and a summary of findings. Updated site forms will be included in the report as an appendix. The final report will be submitted to SHPO, the reviewing Tribes, and the UOMNCH. Copies of field notes, artifact catalogs, and photographs will be submitted to the UOMNCH along with a copy of the final report.

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EXHIBIT E

UPRR CONTRACTOR ENDORSEMENT

FIRST STREET STREETSCAPE PROJECT
CONTRACT NO. 2025-014

CONTRACTOR ENDORSEMENT

GENERAL TERMS AND PROVISIONS

SECTION 1. DEFINITION OF CONTRACTOR.

For purposes of this agreement, all references in this agreement to Contractor shall include Contractor's contractors, subcontractors, officers, agents and employees, and others acting under its or their authority. For purposes of clarity, Contractor agrees that any CIC (defined below) hired by Contractor is a subcontractor of Contractor and therefore included in the defined term Contractor pursuant to the foregoing sentence.

SECTION 2. ALL EXPENSES TO BE BORNE BY CONTRACTOR; SUPERVISION.

A. Contractor shall bear any and all costs and expenses associated with any work performed by Contractor (including without limitation any CIC), or any costs or expenses incurred by Railroad relating to this agreement.

B. Contractor, at its own expense, shall adequately police and supervise all work to be performed by Contractor and shall ensure that such work is performed in a safe manner as set forth in SECTION 15. The responsibility of Contractor for safe conduct and adequate policing and supervision of Contractor's work shall not be lessened or otherwise affected by Railroad's approval of plans and specifications involving the work, or by Railroad's collaboration in performance of any work, or by the presence at the work site of a Railroad Representative, or by compliance by Contractor with any requests or recommendations made by Railroad Representative.

SECTION 3. TERM; TERMINATION.

A. These general terms and provisions shall remain in effect for the term as stated in the Contractor Endorsement. Contractor agrees to notify the Railroad Representative in writing when it has completed its work on Railroad's property.

B. This agreement may be terminated by either party on twenty four (24) hours written notice to the other party.

SECTION 4. INSURANCE.

A. Contractor will, upon request, provide Railroad with the (i) insurance binders, policies, certificates and endorsements set forth in **Exhibit A** of this agreement, and (ii) the insurance endorsements obtained by each subcontractor as required under SECTION 21 of this agreement.

B. Upon request, all insurance correspondence, binders, policies, certificates and endorsements shall be sent to:

Union Pacific Railroad Company
Attn: Public Projects Manager
1400 Douglas Street, STOP 1690
Omaha, NE 68179

SECTION 5. PRECONSTRUCTION MEETING.

If the work to be performed by the Contractor will involve the Railroad providing any flagging protection (or if a CIC is approved to provide flagging protection pursuant to the terms set forth herein) and/or there is separate work to be performed by the Railroad, the Contractor confirms that no work shall commence until the Railroad and Contractor

participate in a preconstruction meeting involving flagging procedures and coordination of work activities of the Contractor and the Railroad (and any CIC, as applicable.)

SECTION 6. DISMISSAL OF CONTRACTOR'S EMPLOYEE.

At the request of Railroad, Contractor shall remove from Railroad's property any employee of Contractor who fails to conform to the instructions of the Railroad Representative in connection with the work on Railroad's property, and any right of Contractor shall be suspended until such removal has occurred. Contractor shall indemnify Railroad against any claims arising from the removal of any such employee from Railroad's property.

SECTION 7. CROSSINGS; COMPLIANCE WITH MUTCD AND FRA GUIDELINES.

A. No additional vehicular crossings (including temporary haul roads) or pedestrian crossings over Railroad's trackage shall be installed or used by Contractor without the prior written permission of Railroad.

B. Any permanent or temporary changes, including temporary traffic control, to crossings must conform to the Manual of Uniform Traffic Control Devices (MUTCD) and any applicable Federal Railroad Administration rules, regulations and guidelines, and must be reviewed by the Railroad prior to any changes being implemented. In the event the Railroad is found to be out of compliance with federal safety regulations due to the Contractor's modifications, negligence, or any other reason arising from the Contractor's presence on the Railroad's property, the Contractor agrees to assume liability for any civil penalties imposed upon the Railroad for such noncompliance.

SECTION 8. EXPLOSIVES.

Explosives or other highly flammable substances shall not be stored or used on Railroad's property without the prior written approval of Railroad.

SECTION 9. NOTICE OF COMMENCEMENT OF WORK - RAILROAD FLAGGING - PRIVATE FLAGGING.

A. Contractor agrees to notify the Railroad Representative at least ten (10) working days in advance of Contractor commencing its work and at least thirty (30) working days in advance of proposed performance of any work by Contractor in which any person or equipment will be within twenty-five (25) feet of any track, or will be near enough to any track that any equipment extension (such as, but not limited to, a crane boom) will reach to within twenty-five (25) feet of any track.

B. No work of any kind shall be performed, and no person, equipment, machinery, tool(s), material(s), vehicle(s), or thing(s) shall be located, operated, placed, or stored within twenty-five (25) feet of any of Railroad's track(s) at any time, for any reason, unless and until a Railroad approved flagman is provided to watch for trains. Upon receipt of such thirty (30)-day notice, the Railroad Representative will determine and inform Contractor whether a flagman need be present and whether Contractor needs to implement any special protective or safety measures.

C. Contractor shall be permitted to hire a private contractor to perform flagging or other special protective or safety measures (such private contractor being commonly known in the railroad industry as a contractor-in-charge ("CIC")) in lieu of Railroad providing such services or in concert with Railroad providing such services, subject to prior written approval by Railroad, which approval shall be in Railroad's sole and absolute discretion. If Railroad agrees to permit Contractor to utilize a CIC pursuant to the preceding sentence, Contractor shall obtain Railroad's prior approval in writing for each of the following items, as determined in all respects in Railroad's sole and absolute discretion: (i) the identity of the third-party performing the role of CIC; (ii) the scope of the services to be performed for the project by the approved CIC; and (iii) any other terms and conditions governing such services to be provided by the CIC. If flagging or other special protective or safety measures are performed by an approved CIC, Contractor shall be solely responsible for (and shall timely pay such CIC for) its services. Railroad reserves the right to rescind any approval pursuant to this Subsection C., in whole or in part, at any time, as determined in Railroad's sole and absolute discretion.

D. If any flagging or other special protective or safety measures are performed by employees of Railroad and/or any contractor of Railroad, Railroad will bill Contractor for such expenses incurred by Railroad, unless Railroad and a federal, state or local governmental entity have agreed that Railroad is to bill such expenses to the federal, state or local

governmental entity. If Railroad will be sending the bills to Contractor, Contractor shall pay such bills within thirty (30) days of Contractor's receipt of billing.

E. If any flagging or other special protective or safety measures are performed by Railroad or a CIC, Contractor agrees that Contractor is not relieved of any of its responsibilities or liabilities set forth in this agreement.

F. The provisions set forth in this subsection are only applicable for Flagging Services performed by employees of Railroad: the rate of pay per hour for each flagman will be the prevailing hourly rate in effect for an eight-hour day for the class of flagmen used during regularly assigned hours and overtime in accordance with labor agreements and schedules in effect at the time the work is performed. In addition to the cost of such labor, a composite charge for vacation, holiday, health and welfare, supplemental sickness, Railroad Retirement and unemployment compensation, supplemental pension, Employees Liability and Property Damage and Administration will be included, computed on actual payroll. The composite charge will be the prevailing composite charge in effect at the time the work is performed. One and one-half times the current hourly rate is paid for overtime, Saturdays and Sundays, and two and one-half times current hourly rate for holidays. Wage rates are subject to change, at any time, by law or by agreement between Railroad and its employees, and may be retroactive as a result of negotiations or a ruling of an authorized governmental agency. Additional charges on labor are also subject to change. If the wage rate or additional charges are changed, Contractor (or the governmental entity, as applicable) shall pay on the basis of the new rates and charges. If flagging is performed by Railroad, reimbursement to Railroad will be required covering the full eight-hour day during which any flagman is furnished, unless the flagman can be assigned to other Railroad work during a portion of such day, in which event reimbursement will not be required for the portion of the day during which the flagman is engaged in other Railroad work. Reimbursement will also be required for any day not actually worked by the flagman following the flagman's assignment to work on the project for which Railroad is required to pay the flagman and which could not reasonably be avoided by Railroad by assignment of such flagman to other work, even though Contractor may not be working during such time. When it becomes necessary for Railroad to bulletin and assign an employee to a flagging position in compliance with union collective bargaining agreements, Contractor must provide Railroad a minimum of five (5) days notice prior to the cessation of the need for a flagman. If five (5) days notice of cessation is not given, Contractor will still be required to pay flagging charges for the five (5) day notice period required by union agreement to be given to the employee, even though flagging is not required for that period. An additional thirty (30) days notice must then be given to Railroad if flagging services are needed again after such five day cessation notice has been given to Railroad.

SECTION 10. LIMITATION AND SUBORDINATION OF RIGHTS GRANTED.

A. The foregoing grant of right is subject and subordinate to the prior and continuing right and obligation of the Railroad to use and maintain its entire property including the right and power of Railroad to construct, maintain, repair, renew, use, operate, change, modify or relocate railroad tracks, roadways, signal, communication, fiber optics, or other wirelines, pipelines and other facilities upon, along or across any or all parts of its property, all or any of which may be freely done at any time or times by Railroad without liability to Contractor or to any other party for compensation or damages.

B. The foregoing grant is also subject to all outstanding superior rights (whether recorded or unrecorded and including those in favor of licensees and lessees of Railroad's property, and others) and the right of Railroad to renew and extend the same, and is made without covenant of title or for quiet enjoyment.

SECTION 11. NO INTERFERENCE WITH OPERATIONS OF RAILROAD AND ITS TENANTS.

A. Contractor shall conduct its operations so as not to interfere with the continuous and uninterrupted use and operation of the railroad tracks and property of Railroad, including without limitation, the operations of Railroad's lessees, licensees or others, unless specifically authorized in advance by the Railroad Representative. Nothing shall be done or permitted to be done by Contractor at any time that would in any manner impair the safety of such operations. When not in use, Contractor's machinery and materials shall be kept at least fifty (50) feet from the centerline of Railroad's nearest track, and there shall be no vehicular crossings of Railroads tracks except at existing open public crossings.

B. Operations of Railroad and work performed by Railroad personnel and delays in the work to be performed by Contractor caused by such railroad operations and work are expected by Contractor, and Contractor agrees that Railroad shall have no liability to Contractor, or any other person or entity for any such delays. The Contractor shall

coordinate its activities with those of Railroad and third parties so as to avoid interference with railroad operations. The safe operation of Railroad train movements and other activities by Railroad takes precedence over any work to be performed by Contractor.

SECTION 12. LIENS.

Contractor shall pay in full all persons who perform labor or provide materials for the work to be performed by Contractor. Contractor shall not create, permit or suffer any mechanic's or materialmen's liens of any kind or nature to be created or enforced against any property of Railroad for any such work performed. Contractor shall indemnify and hold harmless Railroad from and against any and all liens, claims, demands, costs or expenses of whatsoever nature in any way connected with or growing out of such work done, labor performed, or materials furnished. If Contractor fails to promptly cause any lien to be released of record, Railroad may, at its election, discharge the lien or claim of lien at Contractor's expense.

SECTION 13. PROTECTION OF FIBER OPTIC CABLE SYSTEMS.

A. Fiber optic cable systems may be buried on Railroad's property. Protection of the fiber optic cable systems is of extreme importance since any break could disrupt service to users resulting in business interruption and loss of revenue and profits. Contractor shall telephone Railroad during normal business hours (7:00 a.m. to 9:00 p.m. Central Time, Monday through Friday, except holidays) at 1-800-336-9193 (also a 24-hour, 7-day number for emergency calls) to determine if fiber optic cable is buried anywhere on Railroad's property to be used by Contractor. If it is, Contractor will telephone the telecommunications company(ies) involved, make arrangements for a cable locator and, if applicable, for relocation or other protection of the fiber optic cable. Contractor shall not commence any work until all such protection or relocation (if applicable) has been accomplished.

B. IN ADDITION TO OTHER INDEMNITY PROVISIONS IN THIS AGREEMENT, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD RAILROAD HARMLESS FROM AND AGAINST ALL COSTS, LIABILITY AND EXPENSE WHATSOEVER (INCLUDING, WITHOUT LIMITATION, ATTORNEYS' FEES, COURT COSTS AND EXPENSES) ARISING OUT OF ANY ACT OR OMISSION OF CONTRACTOR, ITS AGENTS AND/OR EMPLOYEES, THAT CAUSES OR CONTRIBUTES TO (1) ANY DAMAGE TO OR DESTRUCTION OF ANY TELECOMMUNICATIONS SYSTEM ON RAILROAD'S PROPERTY, AND/OR (2) ANY INJURY TO OR DEATH OF ANY PERSON EMPLOYED BY OR ON BEHALF OF ANY TELECOMMUNICATIONS COMPANY, AND/OR ITS CONTRACTOR, AGENTS AND/OR EMPLOYEES, ON RAILROAD'S PROPERTY. CONTRACTOR SHALL NOT HAVE OR SEEK RECOURSE AGAINST RAILROAD FOR ANY CLAIM OR CAUSE OF ACTION FOR ALLEGED LOSS OF PROFITS OR REVENUE OR LOSS OF SERVICE OR OTHER CONSEQUENTIAL DAMAGE TO A TELECOMMUNICATION COMPANY USING RAILROAD'S PROPERTY OR A CUSTOMER OR USER OF SERVICES OF THE FIBER OPTIC CABLE ON RAILROAD'S PROPERTY.

SECTION 14. PERMITS - COMPLIANCE WITH LAWS.

In the prosecution of the work covered by this agreement, Contractor shall secure any and all necessary permits and shall comply with all applicable federal, state and local laws, regulations and enactments affecting the work including, without limitation, all applicable Federal Railroad Administration regulations.

SECTION 15. SAFETY.

A. Safety of personnel, property, rail operations and the public is of paramount importance in the prosecution of the work performed by Contractor. Contractor shall be responsible for initiating, maintaining and supervising all safety, operations and programs in connection with the work. Contractor shall at a minimum comply with Railroad's safety standards listed in **Exhibit B**, hereto attached, to ensure uniformity with the safety standards followed by Railroad's own forces. As a part of Contractor's safety responsibilities, Contractor shall notify Railroad if Contractor determines that any of Railroad's safety standards are contrary to good safety practices. Contractor shall furnish copies of **Exhibit B** to each of its employees before they enter the job site.

B. Without limitation of the provisions of paragraph A above, Contractor shall keep the job site free from safety and health hazards and ensure that its employees are competent and adequately trained in all safety and health aspects of the job.

C. Contractor shall have proper first aid supplies available on the job site so that prompt first aid services may be provided to any person injured on the job site. Contractor shall promptly notify Railroad of any U.S. Occupational Safety and Health Administration reportable injuries. Contractor shall have a nondelegable duty to control its employees while they are on the job site or any other property of Railroad, and to be certain they do not use, be under the influence of, or have in their possession any alcoholic beverage, drug or other substance that may inhibit the safe performance of any work.

D. If and when requested by Railroad, Contractor shall deliver to Railroad a copy of Contractor's safety plan for conducting the work (the "Safety Plan"). Railroad shall have the right, but not the obligation, to require Contractor to correct any deficiencies in the Safety Plan. The terms of this agreement shall control if there are any inconsistencies between this agreement and the Safety Plan.

SECTION 16. INDEMNITY.

A. TO THE EXTENT NOT PROHIBITED BY APPLICABLE STATUTE, CONTRACTOR SHALL INDEMNIFY, DEFEND AND HOLD HARMLESS RAILROAD, ITS AFFILIATES, AND ITS AND THEIR OFFICERS, AGENTS AND EMPLOYEES (INDIVIDUALLY AN "INDEMNIFIED PARTY" OR COLLECTIVELY "INDEMNIFIED PARTIES") FROM AND AGAINST ANY AND ALL LOSS, DAMAGE, INJURY, LIABILITY, CLAIM, DEMAND, COST OR EXPENSE (INCLUDING, WITHOUT LIMITATION, ATTORNEY'S, CONSULTANT'S AND EXPERT'S FEES, AND COURT COSTS), FINE OR PENALTY (COLLECTIVELY, "LOSS") INCURRED BY ANY PERSON (INCLUDING, WITHOUT LIMITATION, ANY INDEMNIFIED PARTY, CONTRACTOR, OR ANY EMPLOYEE OF CONTRACTOR OR OF ANY INDEMNIFIED PARTY) ARISING OUT OF OR IN ANY MANNER CONNECTED WITH (I) ANY WORK PERFORMED BY CONTRACTOR, OR (II) ANY ACT OR OMISSION OF CONTRACTOR, ITS OFFICERS, AGENTS OR EMPLOYEES, OR (III) ANY BREACH OF THIS AGREEMENT BY CONTRACTOR.

B. THE RIGHT TO INDEMNITY UNDER THIS SECTION SHALL ACCRUE UPON OCCURRENCE OF THE EVENT GIVING RISE TO THE LOSS, AND SHALL APPLY REGARDLESS OF ANY NEGLIGENCE OR STRICT LIABILITY OF ANY INDEMNIFIED PARTY, EXCEPT WHERE THE LOSS IS CAUSED BY THE SOLE ACTIVE NEGLIGENCE OF AN INDEMNIFIED PARTY AS ESTABLISHED BY THE FINAL JUDGMENT OF A COURT OF COMPETENT JURISDICTION. THE SOLE ACTIVE NEGLIGENCE OF ANY INDEMNIFIED PARTY SHALL NOT BAR THE RECOVERY OF ANY OTHER INDEMNIFIED PARTY.

C. CONTRACTOR EXPRESSLY AND SPECIFICALLY ASSUMES POTENTIAL LIABILITY UNDER THIS SECTION FOR CLAIMS OR ACTIONS BROUGHT BY CONTRACTOR'S OWN EMPLOYEES. CONTRACTOR WAIVES ANY IMMUNITY IT MAY HAVE UNDER WORKER'S COMPENSATION OR INDUSTRIAL INSURANCE ACTS TO INDEMNIFY THE INDEMNIFIED PARTIES UNDER THIS SECTION. CONTRACTOR ACKNOWLEDGES THAT THIS WAIVER WAS MUTUALLY NEGOTIATED BY THE PARTIES HERETO.

D. NO COURT OR JURY FINDINGS IN ANY EMPLOYEE'S SUIT PURSUANT TO ANY WORKER'S COMPENSATION ACT OR THE FEDERAL EMPLOYERS' LIABILITY ACT AGAINST A PARTY TO THIS AGREEMENT MAY BE RELIED UPON OR USED BY CONTRACTOR IN ANY ATTEMPT TO ASSERT LIABILITY AGAINST ANY INDEMNIFIED PARTY.

E. THE PROVISIONS OF THIS SECTION SHALL SURVIVE THE COMPLETION OF ANY WORK PERFORMED BY CONTRACTOR OR THE TERMINATION OR EXPIRATION OF THIS AGREEMENT. IN NO EVENT SHALL THIS SECTION OR ANY OTHER PROVISION OF THIS AGREEMENT BE DEEMED TO LIMIT ANY LIABILITY CONTRACTOR MAY HAVE TO ANY INDEMNIFIED PARTY BY STATUTE OR UNDER COMMON LAW.

SECTION 17. RESTORATION OF PROPERTY.

In the event Railroad authorizes Contractor to take down any fence of Railroad or in any manner move or disturb any of the other property of Railroad in connection with the work to be performed by Contractor, then in that event Contractor shall, as soon as possible and at Contractor's sole expense, restore such fence and other property to the same condition as the same were in before such fence was taken down or such other property was moved or disturbed. Contractor shall remove all of Contractor's tools, equipment, rubbish and other materials from Railroad's property promptly upon completion of the work, restoring Railroad's property to the same state and condition as when Contractor entered thereon.

SECTION 18. WAIVER OF DEFAULT.

Waiver by Railroad of any breach or default of any condition, covenant or agreement herein contained to be kept, observed and performed by Contractor shall in no way impair the right of Railroad to avail itself of any remedy for any subsequent breach or default.

SECTION 19. MODIFICATION - ENTIRE AGREEMENT.

No modification of this agreement shall be effective unless made in writing and signed by Contractor and Railroad. This agreement and the exhibits attached hereto and made a part hereof constitute the entire understanding between Contractor and Railroad and cancel and supersede any prior negotiations, understandings or agreements, whether written or oral, with respect to the work to be performed by Contractor.

SECTION 20. ASSIGNMENT.

Contractor shall not assign or subcontract this agreement, or any interest therein, without the written consent of the Railroad.

SECTION 21. SUBCONTRACTING.

Contractor shall be responsible for the acts and omissions of all subcontractors. Before Contractor commences any work, the Contractor shall, except to the extent prohibited by law; (1) require each of its subcontractors to include the Contractor as "Additional Insured" on the subcontractor's Commercial General Liability policy and Umbrella or Excess policies (if applicable) with respect to all liabilities arising out of the subcontractor's performance of work on behalf of the Contractor by endorsing these policies with ISO Additional Insured Endorsements CG 20 10, and CG 20 37 (or substitute forms providing equivalent coverage; (2) require each of its subcontractors to endorse their Commercial General Liability Policy with "Contractual Liability Railroads" ISO Form CG 24 17 10 01 (or a substitute form providing equivalent coverage) for the job site; and (3) require each of its subcontractors to endorse their Business Automobile Policy with "Coverage For Certain Operations In Connection With Railroads" ISO Form CA 20 70 10 01 (or a substitute form providing equivalent coverage) for the job site.

EXHIBIT A

TO
GENERAL TERMS AND CONDITIONS
OF THE
CONTRACTOR'S ENDORSEMENT

INSURANCE PROVISIONS FOR CONTRACTOR ENDORSEMENT

Contractor shall, at its sole cost and expense, procure and maintain during the course of the project and until all project Work on Railroad's property has been completed and the Contractor has removed all equipment and materials from Railroad's property and has cleaned and restored Railroad's property to Railroad's satisfaction, the following insurance coverage:

A. **Commercial General Liability** insurance. Commercial general liability (CGL) with a limit of not less than $5,000,000 each occurrence and an aggregate limit of not less than $10,000,000. CGL insurance must be written on ISO occurrence form CG 00 01 12 04 (or a substitute form providing equivalent coverage).

The policy must also contain the following endorsement, which must be stated on the certificate of insurance:

- Contractual Liability Railroads ISO form CG 24 17 10 01 (or a substitute form providing equivalent coverage) showing "Union Pacific Railroad Company Property" as the Designated Job Site.
- Designated Construction Project(s) General Aggregate Limit ISO Form CG 25 03 03 97 (or a substitute form providing equivalent coverage) showing the project on the form schedule.

B. **Business Automobile Coverage** insurance. Business auto coverage written on ISO form CA 00 01 10 01 (or a substitute form providing equivalent liability coverage) with a combined single limit of not less $5,000,000 for each accident and coverage must include liability arising out of any auto (including owned, hired and non-owned autos).

The policy must contain the following endorsements, which must be stated on the certificate of insurance:

- Coverage For Certain Operations In Connection With Railroads ISO form CA 20 70 10 01 (or a substitute form providing equivalent coverage) showing "Union Pacific Property" as the Designated Job Site.
- Motor Carrier Act Endorsement - Hazardous materials clean up (MCS-90) if required by law.

C. **Workers' Compensation and Employers' Liability** insurance. Coverage must include but not be limited to:

- Contractor's statutory liability under the workers' compensation laws of the state where the work is being performed.
- Employers' Liability (Part B) with limits of at least $500,000 each accident, $500,000 disease policy limit $500,000 each employee.

If Contractor is self-insured, upon request, evidence of state approval and excess workers compensation coverage must be provided. Coverage must include liability arising out of the U. S. Longshoremen's and Harbor Workers' Act, the Jones Act, and the Outer Continental Shelf Land Act, if applicable.

D. **Railroad Protective Liability** insurance. Contractor must maintain "Railroad Protective Liability" (RPL) insurance written on ISO occurrence form CG 00 35 12 04 (or a substitute form providing equivalent coverage) on behalf of Railroad as named insured, with a limit of not less than $2,000,000 per occurrence and an aggregate of $6,000,000. The definition of "JOB LOCATION" and "WORK" on the declaration page of the policy shall refer to this agreement and shall describe all WORK or OPERATIONS performed under this agreement. Contractor shall provide this agreement to Contractor's insurance agent(s) and/or broker(s) and Contractor shall instruct such agent(s) and/or broker(s) to procure the insurance coverage required by this agreement. UPON REQUEST, A BINDER STATING THE POLICY IS IN PLACE MUST BE SUBMITTED TO RAILROAD BEFORE THE WORK MAY COMMENCE AND UNTIL THE ORIGINAL POLICY IS FORWARDED TO UNION PACIFIC RAILROAD.

E. **Umbrella or Excess** insurance. If Contractor utilizes umbrella or excess policies, these policies must "follow form" and afford no less coverage than the primary policy.

F. **Pollution Liability** insurance**.** Pollution liability coverage must be included when the scope of the work as defined in the agreement includes installation, temporary storage, or disposal of any "hazardous" material that is injurious in or upon land, the atmosphere, or any watercourses; or may cause bodily injury at any time.

If required, coverage may be provided in separate policy form or by endorsement to Contractors CGL or RPL. Any form coverage must be equivalent to that provided in ISO form CG 24 15 "Limited Pollution Liability Extension Endorsement" or CG 28 31 "Pollution Exclusion Amendment" with limits of at least $5,000,000 per occurrence and an aggregate limit of $10,000,000.

If the scope of work as defined in this agreement includes the disposal of any hazardous or non-hazardous materials from the job site, upon request, Contractor must furnish to Railroad evidence of pollution legal liability insurance maintained by the disposal site operator for losses arising from the insured facility accepting the materials, with coverage in minimum amounts of $1,000,000 per loss, and an annual aggregate of $2,000,000.

Other Requirements

G. All policy(ies) required above (except business automobile, worker's compensation and employers liability) must include Railroad as "Additional Insured" using ISO Additional Insured Endorsements CG 20 10, and CG 20 37 (or substitute forms providing equivalent coverage). The coverage provided to Railroad as additional insured shall not be limited by Contractor's liability under the indemnity provisions of this agreement. BOTH CONTRACTOR AND RAILROAD EXPECT THAT UNION PACIFIC RAILROAD COMPANY WILL BE PROVIDED WITH THE BROADEST POSSIBLE COVERAGE AVAILABLE BY OPERATION OF LAW UNDER ISO ADDITIONAL INSURED FORMS CG 20 10 AND CG 20 37.

H. Punitive damages exclusion, if any, must be deleted (and the deletion indicated on the certificate of insurance), unless (a) insurance coverage may not lawfully be obtained for any punitive damages that may arise under this agreement, or (b) all punitive damages are prohibited by all states in which this agreement will be performed.

I. Contractor waives all rights of recovery, and its insurers also waive all rights of subrogation of damages against Railroad and its agents, officers, directors and employees for damages covered by the workers compensation and employers liability or commercial umbrella or excess liability obtained by Contractor required in this agreement where prohibited by law. This waiver must be stated on the certificate of insurance.

J. Upon request, Contractor shall furnish Railroad with a certificate(s) of insurance, executed by a duly authorized representative of each insurer, showing compliance with the insurance requirements in this agreement.

K. All insurance policies must be written by a reputable insurance company acceptable to Railroad or with a current Best's Insurance Guide Rating of A- and Class VII or better, and authorized to do business in the state where the work is being performed.

L. The fact that insurance is obtained by Contractor or by Railroad on behalf of Contractor will not be deemed to release or diminish the liability of Contractor, including, without limitation, liability under the indemnity provisions of this agreement. Damages recoverable by Railroad from Contractor or any third party will not be limited by the amount of the required insurance coverage.

EXHIBIT B

TO
GENERAL TERMS AND CONDITIONS
OF THE
CONTRACTOR'S ENDORSEMENT

MINIMUM SAFETY REQUIREMENTS

https://www.up.com/suppliers/contractor-safety/index.htm