



DAN JOHNSON
DIRECTOR

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
DEVELOPMENT SERVICES BUILDING
150 BEAVERCREEK ROAD OREGON CITY, OR 97045

August 8, 2024

BCC Agenda Date/Item: _____

Board of County Commissioners
Clackamas County

Approval of a Public Improvement Contract with Eagle-Elsner, Inc., for the Overland Park Paving Project. Contract value is \$467,201. Funding is through HB2017 Road Funds. No County General Funds are involved.

Previous Board Action/Review	08/06/2024: Request for consent		
Performance Clackamas	This project will provide strong infrastructure and ensure safe communities by maintaining the County’s existing road infrastructure.		
Counsel Review	Yes	Procurement Review	Yes
Contact Person	Jon Sparks	Contact Phone	503-650-3235

EXECUTIVE SUMMARY: This contract is for the Overland Park Paving Project which will resurface approximately 0.65 miles of roads. This contract will resurface 0.65 miles of SE Overland Street between SE Bell Avenue and SE 82nd Avenue. SE Overland Street is classified as an urban connector. This contract will include, but not be limited to: placing approximately, 1,800 tons of asphalt; 8,500 square yards of cold plane pavement removal; constructing 2 new ADA ramps; completing pavement repairs of varying depth; completing minor storm drainage improvements; installing, maintaining, and removing temporary work zone traffic control measures; and performing additional incidental work as called for by the specifications and plans.

PROCUREMENT PROCESS: This project was advertised in accordance with ORS and LCRB Rules on June 18, 2024. Bids were publicly opened on July 3, 2024. The County received five (5) bids: Brix Paving Northwest, \$646,000.00; Knife River Corporation – Northwest, \$535,535.00; Eagle-Elsner, Inc., \$467,201.00; Granite Construction, 653,987.75; and TFT Construction, Inc., \$498,000.00. After review of the bids, Eagle -Elsner, Inc., was determined to be the lowest responsive bidder.

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RECOMMENDATION: Staff recommends that the Board approve this public improvement contract with Eagle-Elsner, Inc., for the Overland Park Paving Project.

Respectfully submitted,

Dan Johnson

Dan Johnson
Director of Transportation & Development



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT
Contract #9886

This Public Improvement Contract (the "Contract"), is made by and between the Clackamas County, a political subdivision of the State of Oregon, hereinafter called "Owner," and **Eagle-Elsner, Inc.**, hereinafter called the "Contractor" (collectively the "Parties"), shall become effective on the date this Contract has been signed by all the Parties and all County approvals have been obtained, whichever is later.

Project Name: # 2024-60 Overland Park Paving Project

1. Contract Price, Contract Documents and Work.

The Contractor, in consideration of the sum of **Four Hundred Sixty- Seven Thousand Two Hundred and One Dollars (\$467,201.00)** (the "Contract Price"), to be paid to the Contractor by Owner in the manner and at the time hereinafter provided, and subject to the terms and conditions provided for in the Instructions to Bidders and other Contract Documents (as defined in the project specifications) referenced within the Instructions to Bidders), all of which are incorporated herein by reference, hereby agrees to perform all Work described and reasonably inferred from the Contract Documents. The Contract Price is the amount contemplated by the Base Bid adjusted, as indicated in the accepted Bid.

The following documents are incorporated by reference in this Contract and made a part hereof:

- Notice of Contract Opportunity
- Supplemental Instructions to Bidders
- Bid Form
- Prevailing Wage Rates
- Plans, Specifications and Drawings
- Instructions to Bidders
- Bid Bond
- Performance Bond and Payment Bond
- Payroll and Certified Statement Form

The Plans, Specifications and Drawings expressly incorporated by reference into this Contract includes, but is not limited to, the Special Provisions for Overland Park Paving Project (the "Specifications"), together with the provisions of the Oregon Standard Specifications for Construction (2021) referenced therein.

The Contractor shall comply with the prohibitions set forth in ORS 652.220, compliance of which is a material element of this Contract and failure to comply is a material breach that entitles County to exercise any rights and remedies available under this Contract including, but not limited to, termination for default.

2. Representatives.

Contractor has named Dick Eagle as its Authorized Representative to act on its behalf. Owner designates, or shall designate, its Authorized Representative as indicted below (check one):

Unless otherwise specified in the Contract Documents, the Owner designates Jon Sparks as its Authorized Representative in the administration of this Contract. The above-named individual shall be the initial point of contact for matters related to Contract performance, payment, authorization, and to carry out the responsibilities of the Owner.

Name of Owner's Authorized Representative shall be submitted by Owner in a separate writing.

3. Key Persons.

The Contractor's personnel identified below shall be considered Key Persons and shall not be replaced during the project without the written permission of Owner, which shall not be unreasonably withheld. If the

Contractor intends to substitute personnel, a request must be given to Owner at least 30 days prior to the intended time of substitution. When replacements have been approved by Owner, the Contractor shall provide a transition period of at least 10 working days during which the original and replacement personnel shall be working on the project concurrently. Once a replacement for any of these staff members is authorized, further replacement shall not occur without the written permission of Owner. The Contractor's project staff shall consist of the following personnel:

Project Executive: Dick Eagle shall be the Contractor's project executive, and will provide oversight and guidance throughout the project term.

Project Manager: Brent Williams shall be the Contractor's project manager and will participate in all meetings throughout the project term.

Job Superintendent: Dave Elsner shall be the Contractor's on-site job superintendent throughout the project term.

Project Engineer: Brent Williams shall be the Contractor's project engineer, providing assistance to the project manager, and subcontractor and supplier coordination throughout the project term.

4. Contract Dates.

COMMENCEMENT DATE: Upon Issuance of Notice to Proceed ("NTP")

SUBSTANTIAL COMPLETION DATE: September 15, 2024

FINAL COMPLETION DATE: December 31, 2024

Time is of the essence for this Contract. It is imperative that the Work in this Contract reach Substantial Completion and Final Completion by the above specified dates.

5. Insurance Certificates and Required Performance and Payment Bonds.

5.1 In accordance with Section 00170.70 of the Specifications, Contractor shall furnish proof of the required insurance naming Clackamas County as an additional insured. Insurance certificates may be returned with the signed Contract or may be emailed to the County Contract Analyst.

5.2 Primary Coverage: Insurance carried by Contractor under the Contract shall be the primary coverage. The coverages indicated are minimums unless otherwise specified in the Contract Documents.

5.2.1 Workers' Compensation: All employers, including Contractor, that employ subject workers who work under the Contract in the State of Oregon shall comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. This shall include Employer's Liability Insurance with coverage limits of not less than the minimum amount required by statute for each accident. Contractors who perform the Work without the assistance or labor of any employee need not obtain such coverage if the Contractor certifies so in writing. Contractor shall ensure that each of its Subcontractors complies with these requirements. The Contractor shall require proof of such Workers' Compensation coverage by receiving and keeping on file a certificate of insurance from each Subcontractor or anyone else directly employed by either the Contractor or its Subcontractors.

5.3 Builder's Risk Insurance: During the term of the Contract, for new construction the Contractor shall obtain and keep in effect Builder's Risk insurance on an all risk forms, including earthquake and flood, for an amount equal to the full amount of the Contract, plus any changes in values due to modifications, Change Orders and loss of materials added. Such Builder's Risk shall include, in

addition to earthquake and flood, theft, vandalism, mischief, collapse, transit, debris removal, and architect's fees "soft costs" associated with delay of Project due to insured peril. Any deductible shall not exceed \$50,000 for each loss, except the earthquake and flood deductible which shall not exceed 2 percent of each loss or \$50,000, whichever is greater. The deductible shall be paid by Contractor. The policy will include as loss payees Owner, the Contractor and its Subcontractors as their interests may appear.

5.4 Builder's Risk Installation Floater: For Work other than new construction, Contractor shall obtain and keep in effect during the term of the Contract, a Builder's Risk Installation Floater for coverage of the Contractor's labor, 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 Contract. The policy will include as loss payees Owner, the Contractor and its Subcontractors as their interests may appear. Owner may waive this requirement at its sole and absolute discretion.

5.4.1 Such insurance shall be maintained until Owner has occupied the facility.

5.4.2 A loss insured under the Builder's Risk insurance shall be adjusted by the Owner and made payable to the Owner as loss payee. The Contractor shall pay Subcontractors their just shares of insurance proceeds received by the Contractor, and by appropriate agreements, written where legally required for validity, shall require Subcontractors to make payments to their Sub-subcontractors in similar manner. The Owner shall have power to adjust and settle a loss with insurers.

5.5 "Tail" Coverage: If any of the required liability insurance is arranged on a "claims made" basis, "tail" coverage will be required at the completion of the Contract for a duration of 36 months or the maximum time period available in the marketplace if less than 36 months. Contractor shall furnish certification of "tail" coverage as described or continuous "claims made" liability coverage for 36 months following Final Completion. Continuous "claims made" coverage will be acceptable in lieu of "tail" coverage, provided its retroactive date is on or before the effective date of the Contract. Owner's receipt of the policy endorsement evidencing such coverage shall be a condition precedent to Owner's obligation to make final payment and to Owner's final acceptance of Work or services and related warranty (if any).

5.6 Notice of Cancellation or Change: If the Contractor receives a non-renewal or cancellation notice from an insurance carrier affording coverage required herein, or receives notice that coverage no longer complies with the insurance requirements herein, Contractor agrees to notify Owner by fax within five (5) business days with a copy of the non-renewal or cancellation notice, or written specifics as to which coverage is no longer in compliance. When notified by Owner, the Contractor agrees to stop Work pursuant to the Contract at Contractor's expense, unless all required insurance remain in effect. Any failure to comply with the reporting provisions of this insurance, except for the potential exhaustion of aggregate limits, shall not affect the coverages provided to the Owner and its institutions, divisions, officers, and employees.

Owner shall have the right, but not the obligation, of prohibiting Contractor from entering the Project Site until a new certificate(s) of insurance is provided to Owner evidencing the replacement coverage. The Contractor agrees that Owner reserves the right to withhold payment to Contractor until evidence of reinstated or replacement coverage is provided to Owner.

5.7 Before execution of the Contract, the Contractor shall file with the Construction Contractors Board, and maintain in full force and effect, the separate public works bond required by Oregon Revised Statutes, Chapter 279C.830 and 279C.836, unless otherwise exempt under those provisions. The Contractor shall also include in every subcontract a provision requiring the Subcontractor to have

a public works bond filed with the Construction Contractors Board before starting Work, unless otherwise exempt, and shall verify that the Subcontractor has filed a public works bond before permitting any Subcontractor to start Work.

5.8 When the Contract Price is \$50,000 or more, the Contractor shall furnish and maintain in effect at all times during the Contract Period a performance bond in a sum equal to the Contract Price and a separate payment bond also in a sum equal to the Contract Price. Contractor shall furnish such bonds even if the Contract Price is less than the above thresholds if otherwise required by the Contract Documents.

5.9 Bond forms furnished by the Owner and notarized by Contractor's surety company authorized to do business in Oregon are the only acceptable forms of performance and payment security, unless otherwise specified in the Contract Documents.

6. Responsibility for Damages/Indemnity.

6.1 Contractor shall be responsible for all damage to property, injury to persons, and loss, expense, inconvenience, and delay that may be caused by, or result from, the carrying out of the Work to be done under the Contract, or from any act, omission or neglect of the Contractor, its Subcontractors, employees, guests, visitors, invitees and agents.

6.2 To the fullest extent permitted by law, Contractor shall indemnify, defend (with counsel approved by Owner) and hold harmless the Owner and its elected officials, officers, directors, agents, and employees (collectively "Indemnitees") from and against all liabilities, damages, losses, claims, expenses, demands and actions of any nature whatsoever which arise out of, result from or are related to: (a) any damage, injury, loss, expense, inconvenience or delay described in this Section 6.1; (b) any accident or occurrence which happens or is alleged to have happened in or about the Project Site or any place where the Work is being performed, or in the vicinity of either, at any time prior to the time the Work is fully completed in all respects; (c) any failure of the Contractor to observe or perform any duty or obligation under the Contract Documents which is to be observed or performed by the Contractor, or any breach of any agreement, representation or warranty of the Contractor contained in the Contract Documents or in any subcontract; (d) the negligent acts or omissions of the Contractor, a Subcontractor or anyone directly or indirectly employed by them or any one of them or anyone for whose acts they may be liable, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder (except to the extent otherwise void under ORS 30.140); and (e) any lien filed upon the Project or bond claim in connection with the Work. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity which would otherwise exist as to a party or person described in this Section 6.2.

6.3 In claims against any person or entity indemnified under Section 6.2 by an employee of the Contractor, a Subcontractor, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under Section 6.2 shall not be limited on amount or type of damages, compensation or benefits payable by or for the Contractor or a Subcontractor under workers' compensation acts, disability benefit acts or other employee benefit acts.

7. Tax Compliance.

Contractor must, throughout the duration of this Contract and any extensions, comply with all tax laws of this state and all applicable tax laws of any political subdivision of this state. Any violation of this section shall constitute a material breach of this Contract. Further, any violation of Contractor's warranty in this Contract that Contractor has complied with the tax laws of this state and the applicable tax laws of any political subdivision of this state also shall constitute a material breach of this Contract. Any violation shall entitle County to terminate this Contract, to pursue and recover any and all damages that arise from the breach and the termination of this Contract, and to pursue any or all of the remedies available under this Contract, at law, or in

equity, including but not limited to: (A) Termination of this Contract, in whole or in part; (B) Exercise of the right of setoff, and withholding of amounts otherwise due and owing to Contractor, in an amount equal to County's setoff right, without penalty; and (C) Initiation of an action or proceeding for damages, specific performance, declaratory or injunctive relief. County shall be entitled to recover any and all damages suffered as the result of Contractor's breach of this Contract, including but not limited to direct, indirect, incidental and consequential damages, costs of cure, and costs incurred in securing replacement performance. These remedies are cumulative to the extent the remedies are not inconsistent, and County may pursue any remedy or remedies singly, collectively, successively, or in any order whatsoever.

The Contractor represents and warrants that, for a period of no fewer than six calendar years preceding the effective date of this Contract, has faithfully complied with: (A) All tax laws of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318; (B) Any tax provisions imposed by a political subdivision of this state that applied to Contractor, to Contractor's property, operations, receipts, or income, or to Contractor's performance of or compensation for any work performed by Contractor; (C) Any tax provisions imposed by a political subdivision of this state that applied to Contractor, or to goods, services, or property, whether tangible or intangible, provided by Contractor; and (D) Any rules, regulations, charter provisions, or ordinances that implemented or enforced any of the foregoing tax laws or provisions.

8. Confidential Information.

Contractor acknowledges that it and its employees or agents may, in the course of performing their responsibilities under this Contract, be exposed to or acquire information that is confidential to Owner. Any and all information of any form obtained by Contractor or its employees or agents in the performance of this Contract shall be deemed confidential information of Owner ("Confidential Information"). Contractor agrees to hold Confidential Information in strict confidence, using at least the same degree of care that Contractor uses in maintaining the confidentiality of its own confidential information, and not to copy, reproduce, sell, assign, license, market, transfer or otherwise dispose of, give, or disclose Confidential Information to third parties or use Confidential Information for any purpose unless specifically authorized in writing under this Contract.

9. Counterparts.

This Contract may be executed in several counterparts, all of which when taken together shall constitute an agreement binding on all Parties, notwithstanding that all Parties are not signatories to the same counterpart. Each copy of the Contract so executed shall constitute an original.

10. Integration.

All provisions of state law required to be part of this Contract, whether listed in the General or Special Conditions or otherwise, are hereby integrated and adopted herein. Contractor acknowledges the obligations thereunder and that failure to comply with such terms is a material breach of this Contract.

The Contract Documents constitute the entire agreement between the parties. There are no other understandings, agreements or representations, oral or written, not specified herein regarding this Contract. Contractor, by the signature below of its authorized representative, hereby acknowledges that it has read this Contract, understands it, and agrees to be bound by its terms and conditions.

11. Liquidated Damages

The Contractor acknowledges that the Owner will sustain damages as a result of the Contractor's failure to substantially complete the Project in accordance with the Contract Documents. These damages may include, but are not limited to delays in completion, use of the Project, and costs associated with Contract administration and use of temporary facilities. Liquidated damages are set forth in the Contract Documents and may include the following:

- 11.1 \$700 per Calendar day past the Substantial Completion date, as set forth in section 00180.85(b).
- 11.2 \$500 per 15 minutes, or for a portion of 15 minutes, per lane, for any lane closure beyond the limits listed in 00220.40(e), as set forth in 00180.85(c).
- 11.3 \$500 per 20 minutes, or for a portion of 20 minutes, for stopping or holding traffic longer than 20 minutes, as set forth in 00180.85(d).
- 11.4 \$500 per each calendar day or for a portion of a calendar day, for not constructing a driveway connection beyond 30 calendar days of when mainline was completed in front of the driveway, as set forth in 00180.85(e).

12. Compliance with Applicable Law. Contractor shall comply with all federal, state, county, and local laws, ordinances, and regulations applicable to the Work to be done under this Contract including, but not limited to, compliance with the prohibitions set forth in ORS 652.220, compliance of which is a material element of this Contract and failure to comply is a material breach that entitles County to exercise any rights and remedies available under this Contract including, but not limited to, termination for default.

13. Responsibility for Taxes. Contractor is solely responsible for payment of any federal, state, or local taxes required as a result of the Contract or the Work including, but not limited, to payment of the corporate activity tax imposed under enrolled HB 3427 (2019 Oregon regular legislative session). Contractor may not include its federal, state, or local tax obligations as part of the cost to perform the Work.

14. No Attorney Fees. In the event any arbitration, action or proceeding, including any bankruptcy proceeding, is instituted to enforce any term of this Contract, each party shall be responsible for its own attorneys' fees and expenses.

Signature Page Follows



In witness whereof, Clackamas County executes this Contract and the Contractor does execute the same as of the day and year first above written.

Contractor DATA:
Eagle-Elsner, Inc.
P.O. Box 23294
Tigard, Oregon 97281

Contractor CCB # 27112 Expiration Date: 4/2/2026
Oregon Business Registry # 135009-13 Entity Type: DBC State of Formation: Oregon

Payment information will be reported to the IRS under the name and taxpayer ID# provided by the Contractor. Information must be provided prior to contract approval. Information not matching IRS records could subject Contractor to 28 percent backup withholding.

Eagle-Elsner, Inc.

Clackamas County

Richard Eagle, Pres 07-16-24
Authorized Signature Date

Chair Date

RICHARD EAGLE, PRES.
Name / Title Printed

Recording Secretary

APPROVED AS TO FORM

[Signature] 07/23/2024
County Counsel Date



**CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT OPPORTUNITY**

Table of Contents

Section B-1.....Notice of Public Improvement Contract Opportunity

Section B-2.....Instructions to Bidders

Section B-3.....Supplemental Instructions to Bidders

Section B-4.....Bid Bond

Section B-5.....Bid Form

Section B-6.....Public Improvement Contract

Section B-7.....Performance Bond

Section B-8..... Payment Bond

Section B-9..... Project Information, Plans, Specifications and Drawings



CLACKAMAS COUNTY
NOTICE OF PUBLIC IMPROVEMENT CONTRACT OPPORTUNITY

INVITATION TO BID #2024-60
Overland Park Paving Project
June 18, 2024

Clackamas County (“County”) through its Board of County Commissioners is accepting sealed bids for the **Overland Park Paving Project** until **July 3, 2024, 2:00 PM**, Pacific Time, (“Bid Closing”) at the following location:

Bidding Documents can be downloaded from the state of Oregon procurement website (“OregonBuys”) at the following address: <https://oregonbuys.gov/bsv/view/login/login.xhtml>, Document No.S-C01010-00010762.

Prospective Bidders will need to sign in to download the information and that information will be accumulated for a Plan Holder's List. Prospective Bidders are responsible for obtaining any Addenda from Website listed above.

Submitting Proposals: Bid Locker

Proposals will only be accepted electronically thru a secure online bid submission service, **Bid Locker**. *Email submissions to Clackamas County email addresses will no longer be accepted.*

- A. Completed proposal documents must arrive electronically via Bid Locker located at <https://bidlocker.us/a/clackamascountry/BidLocker>.
- B. Bid Locker will electronically document the date and time of all submissions. Completed documents must arrive by the deadline indicated in Section 1 or as modified by Addendum. **LATE PROPOSALS WILL NOT BE ACCEPTED.**
- C. Proposers must register and create a profile for their business with Bid Locker in order to submit for this project. It is free to register for Bid Locker.
- D. Proposers with further questions concerning Bid Locker may review the Vendor’s Guide located at <https://www.clackamas.us/how-to-bid-on-county-projects>.

Engineers Estimate: \$573,000.00

Contact Information

Procurement Process and Technical Questions: Tralee Whitley at TWhitley@clackamas.us

Bids will be opened and publicly read aloud at the above Delivery address after the Bid Closing. Bid results will also be posted to the OregonBuys listing shortly after the opening.

To be eligible for award under this Invitation to Bid, bidders (prime contractors) must submit a prequalification application (either ODOT or County) to the County at least two business days prior to the Bid Closing. County will reject bids from bidders who are not prequalified for the class of work indicated prior to the Bid Closing. **Bidders must be prequalified in Asphalt Concrete Paving (ACP), Earthwork and Drainage (EART), Temporary Traffic Control (TTC), and Pavement Markings (PAVE).**

State Prevailing Wage

Prevailing Wage Rates requirements apply to this Project because the maximum compensation for all Owner-contracted Work is more than \$50,000. Contractor and all subcontractors shall comply with the provisions of ORS 279C.800 through 279C.870, relative to Prevailing Wage Rates. The Bureau of Labor

and Industries (BOLI) wage rates and requirements set forth in the following BOLI booklet (and any listed amendments to that booklet), which are incorporated herein by reference, apply to the Work authorized under this Agreement:

PREVAILING WAGE RATES for Public Works Contracts in Oregon, January 5, 2024 and amended on April 5, 2024, which can be downloaded at the following web address:

http://www.oregon.gov/boli/WHD/PWR/Pages/pwr_state.aspx The Work will take place in Clackamas County, Oregon.

Clackamas County encourages bids from Minority, Women, and Emerging Small Businesses.



CLACKAMAS COUNTY PUBLIC IMPROVEMENT CONTRACT

INSTRUCTIONS TO BIDDERS

Clackamas County Local Contract Review Board Rules (“LCRB Rules”) govern this procurement process. LCRB Rules may be found at: <http://www.clackamas.us/code/documents/appendixc.pdf>. The Instructions to Bidders is applicable to the procurement process for Clackamas County, or any component unit thereof identified on the Notice of Public Improvement Contract Opportunity, herein after referred to as the “Owner.”

Article 1. Scope of Work

The work contemplated under this contract with the Owner, includes all labor, materials, transportation, equipment and services necessary for, and reasonably incidental to, the completion of all construction work in connection with the project described in the Project Manual which includes, but is not necessarily limited to, the Notice of Public Improvement Contract Opportunity, Instructions to Bidders, Supplemental Instructions to Bidders, Bid Form, Bid Bond, Public Improvement Contract Form, Performance Bond, Payment Bond, and Plans, Specifications and Drawings.

Article 2. Examination of Site and Conditions

Before making a Bid, the Bidder shall examine the site of the work and ascertain all the physical conditions in relation thereto. The Bidder shall also make a careful examination of the Project Manual including the plans, specifications, and drawings and other contract documents, and shall be fully informed as to the quality and quantity of materials and the sources of supply of the materials. Failure to take these steps will not release the successful Bidder from entering into the contract nor excuse the Bidder from performing the work in strict accordance with the terms of the contract at the price established by the Bid.

The Owner will not be responsible for any loss or for any unanticipated costs, which may be suffered by the successful Bidder, as a result of such

Bidder's failure to be fully informed in advance with regard to all conditions pertaining to the work and the character of the work required, including site conditions. No statement made by an elected official, officer, agent, or employee of the Owner in relation to the physical or other conditions pertaining to the site of the work will be binding on the Owner, unless covered by the Project Manual or an Addendum.

Article 3. Interpretation of Project Manual and Approval of Materials Equal to Those Provided in the Specifications

If any Bidder contemplating submitting a Bid for the proposed contract is in doubt as to the true meaning of any part of the plans, specifications or forms of contract documents, or detects discrepancies or omissions, such Bidder may submit to the Architect (read "Engineer" throughout in lieu of Architect as appropriate) a written request for an interpretation thereof at least ten (10) calendar days prior to the date set for the Bid Closing.

When a prospective Bidder seeks approval of a particular manufacturer's material, process or item of equal value, utility or merit other than that designated by the Architect in the Project Manual, the Bidder may submit to the Architect a written request for approval of such substitute at least ten (10) calendar days prior to the date set for the Bid Closing. The prospective Bidder submitting the request will be responsible for its prompt delivery.

Requests of approval for a substitution from that specified shall be accompanied by samples, records of performance, certified copies of tests by impartial and recognized laboratories, and such other information as the Architect may request.

To establish a basis of quality, certain processes, types of machinery and equipment or kinds of materials may be specified in the Project Manual either by description of process or by designating a

manufacturer by name and referring to a brand or product designation or by specifying a kind of material. Whenever a process is designated or a manufacturer's name, brand or item designation is given, or whenever a process or material covered by patent is designated or described, it shall be understood that the words "or approved equal" follow such name, designation or description, whether in fact they do so or not.

Any interpretation of the Project Manual or approval of manufacturer's material will be made only by an Addendum duly issued. All Addenda will be posted to the OregonBuys listing and will become a part of the Project Manual. The Owner will not be responsible for any other explanation or interpretation of the Project Manual nor for any other approval of a particular manufacturer's process or item for any Bidder.

When the Architect approves a substitution by Addendum, it is with the understanding that the Contractor guarantees the substituted article or material to be equal or better than the one specified.

Article 4. Security to Be Furnished by Each Bidder

Each Bid must be accompanied by either 1) a cashier's check or a certified check drawn on a bank authorized to do business in the State of Oregon, or 2) a Bid bond described hereinafter, executed in favor of the Owner, for an amount equal to ten percent (10%) of the total amount Bid as a guarantee that, if awarded the contract, the Bidder will execute the contract and provide a performance bond and payment bond as required. The successful Bidder's check or Bid bond will be retained until the Bidder has entered into a contract satisfactory to Owner and furnished a one hundred percent (100%) performance bond and one hundred percent (100%) payment bond. The Owner reserves the right to hold the Bid security as described in Article 10 hereof. Should the successful Bidder fail to execute and deliver the contract as provided for in Article 12 hereof, including a satisfactory performance bond and payment bond within twenty (20) calendar days after the Bid has been accepted by the Owner, then the contract award made to such Bidder may be considered canceled and the Bid security may be

forfeited as liquidated damages at the option of the Owner. The date of the acceptance of the Bid and the award of the contract as contemplated by the Project Manual shall mean the date of acceptance specified in the Notice of Intent to Award.

Article 5. Execution of Bid Bond

Should the Bidder elect to utilize a Bid bond as described in Article 4 in order to satisfy the Bid security requirements, such form must be completed in the following manner:

- A. Bid bonds must be executed on the County forms, which will be provided to all prospective Bidders by the Owner.
- B. The Bid bond shall be executed on behalf of a bonding company licensed to do business in the State of Oregon.
- C. In the case of a sole individual, the bond need only be executed as principal by the sole individual. In the case of a partnership, the bond must be executed by at least one of the partners. In the case of a corporation, the bond must be executed by stating the official name of the corporation under which is placed the signature of an officer authorized to sign on behalf of the corporation followed by such person's official capacity, such as president, etc. The corporation seal should then be affixed to the bond.
- D. The name of the surety must be stated in the execution over the signature of its duly authorized attorney-in-fact and accompanied by the seal of the surety corporation.

Article 6. Execution of the Bid Form

Each Bid shall be made in accordance with: (i) the sample Bid Form accompanying these instructions; (ii) the appropriate signatures for a sole individual, partnership, corporation or limited liability corporation shall be added as noted in Article 5C above; (iii) numbers pertaining to base Bids shall be stated both in writing and in figures; and (iv) the Bidder's address shall be typed or printed.

The Bid Form relates to Bids on a specific Project

Manual. Only the amounts and information asked for on the Bid Form furnished will be considered as the Bid. Each Bidder shall Bid upon the work exactly as specified and provided in the Bid Form. The Bidder shall include in the Bid a sum to cover the cost of all items contemplated by the Contract. The Bidder shall Bid upon all alternates that may be indicated on the Bid Form. When Bidding on an alternate for which there is no charge, the Bidder shall write the words "No Charge" in the space provided on the Bid Form. If one or more alternates are shown on the Bid Form, the Bidder shall indicate whether each is "add" or "deduct."

Article 7. Prohibition of Alterations to Bid

Bids that are incomplete, or contain ambiguities or have differing conditions required by the Bidder, including requested changes or exceptions to the Public Improvement Contract form or other portions of the Project Manual, may be rejected in Owner's sole and absolute discretion.

Article 8. Submission of Bid

Each Bid shall be sealed in an envelope, properly addressed to the Owner, showing on the outside of the envelope the name of the Bidder and the name of the project. Bids will be received at the time and place stated in the Notice of Public Improvement Contract Opportunity.

Article 9. Bid Closing and Opening of Bids

All Bids must be received by the Owner at the place and time set for the Bid Closing. Any Bids received after the scheduled Bid Closing time for receipt of Bids will be rejected.

At the time of opening and reading of Bids, each Bid received will be publicly opened and read aloud, irrespective of any irregularities or informalities in such Bids.

Generally, Bid results will be posted to the Oregonbuys Website within a couple hours of the opening.

Article 10. Acceptance or Rejection of Bids by Owner

Unless all Bids are rejected, the Owner will award a contract based on the lowest responsive Bid from a responsible Bidder. If that Bidder does not execute the contract, it will be awarded to the next lowest responsible Bidder or Bidders in succession.

The Owner reserves the right to reject all Bids and to waive minor informalities. The procedures for contract awards shall be in compliance with the provisions of the LCRB Rules in effect at that time.

The Owner reserves the right to hold the Bid and Bid security of the three lowest Bidders for a period of thirty (30) calendar days from and after the time of Bid opening pending award of the contract. Following award of the contract the Bid security of the three lowest Bidders may be held twenty (20) calendar days pending execution of the contract. All other Bids will be rejected and Bid security will be returned.

In determining the lowest Bidder, the Owner reserves the right to take into consideration any or all authorized base Bids as well as alternates or combinations indicated in the Bid Form.

If no Bid has been accepted within thirty (30) calendar days after the opening of the Bids, each of the three lowest Bidders may withdraw the Bid submitted and request the return of the Bid security.

Article 11. Withdrawal of Bid

At any time prior to the Bid Closing, a Bidder may withdraw its Bid. This will not preclude the submission of another Bid by such Bidder prior to the time set for the Bid Closing.

After the time set for the Bid Closing, no Bidder will be permitted to withdraw its Bid within the time frames specified in Article 10 for award and execution, except as provided for in that Article.

Article 12. Execution of Contract, Performance Bond and Payment Bond

The Owner will provide the successful Bidder with contract forms within seven (7) calendar days after

the completion of the award protest period. The Bidder is required to execute the contract forms as provided, including a performance bond and a payment bond from a surety company licensed to do surety business in the State of Oregon, within seven (7) calendar days after receipt of the contract forms. The contract forms shall be delivered to the Owner in the number called for and to the location as instructed by the Owner.

Article 13. Recyclable Products

Contractors will use recyclable products to the maximum extent economically feasible in the performance of the Contract.

Article 14. Clarification or Protest of the Solicitation Document or Specifications

Any request for clarification or protest of the solicitation document or specifications must be submitted in the manner provided for in the applicable section of the LCRB Rules to the Procurement Representative referenced in the Notice of Public Improvement Contract Opportunity.

A protest of the Solicitation Document must be received within seven (7) business days of the issuance of the Bid or within three (3) business days of issuance of an addendum.

Requests for clarification may be submitted no less than five (5) business days prior to the Bid Closing Date.

Article 15. Protest of Intent to Award

Owner will name the apparent successful Bidder in a "Notice of Intent to Award" letter. Identification of the apparent successful Bidder is procedural only and creates no right in the named Bidder to the award of the contract. Competing Bidders will be notified by publication of the Notice of Intent to Award on the OregonBuys Website of the selection of the apparent successful Bidder(s) and Bidders shall be given seven (7) calendar days from the date on the "Notice of Intent to Award" letter to review the file at the Procurement Division office and file a written protest of award, pursuant to C-049-0450. Any

award protest must be in writing and must be delivered by email, hand delivery, or mail to the Procurement Division Director at: Procurement Division, 2051 Kaen Road, Oregon City, OR 97045.

Article 16. Disclosure of First-Tier Subcontractors

Within two (2) working hours after the Bid Closing, all Bidders shall submit to the County a disclosure form identifying any first-tier subcontractors (those entities that would be contracting directly with the prime contractor) that will be furnishing 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.

Disclosures may be submitted with the Bid or may be hand delivered to the Bid Closing address or emailed to the Contract Information Analyst listed on the Notice of Contract Opportunity.



**CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT**

SUPPLEMENTAL INSTRUCTIONS TO BIDDERS

Project Name: # 2024-60 Overland Park Paving Project

The following modify the Clackamas County “Instructions to Bidders” for this Project. Where a portion of the Instructions to Bidders has been modified by these Supplemental Instructions to Bidders, the unaltered portions shall remain in effect.

- 1. To be eligible for award under this Invitation to Bid, bidders (prime contractors) must submit a prequalification application (either ODOT or County) to the County at least two business days prior to the Bid Closing. County will reject bids from bidders who are not prequalified for the class of work indicated prior to the Bid Closing. **Bidders must be prequalified in Asphalt Concrete Paving & Oiling (ACP), Earthwork and Drainage (EART), Temporary Traffic Control (TTC), and Pavement Markings (PAVE).****
- 1. Electronic Submissions: The County is requiring all bids for this project be electronically submitted. Complete Bids (including all attachments) will only be accepted electronically thru a secure online bid submission service, Bid Locker. Email submissions to Clackamas County email addresses will no longer be accepted. <https://bidlocker.us/a/clackamascounty/BidLocker>.**

Bids will be publicly read aloud via the computer application, Zoom. Bidders will be allowed to video conference or listen by phone to the bid results. The projects Zoom meeting can be accessed via the information below:

ZOOM LINKS.

Join Zoom Meeting

<https://clackamascounty.zoom.us/j/85130247137>

Meeting ID: 851 3024 7137

One tap mobile

+13462487799,,85130247137# US (Houston)

+14086380968,,85130247137# US (San Jose)

Dial by your location

• +1 346 248 7799 US (Houston)

• +1 408 638 0968 US (San Jose)

• +1 669 444 9171 US

• +1 669 900 6833 US (San Jose)

- +1 719 359 4580 US
- +1 253 205 0468 US
- +1 253 215 8782 US (Tacoma)
- +1 689 278 1000 US
- +1 301 715 8592 US (Washington DC)
- +1 305 224 1968 US
- +1 309 205 3325 US
- +1 312 626 6799 US (Chicago)
- +1 360 209 5623 US
- +1 386 347 5053 US
- +1 507 473 4847 US
- +1 564 217 2000 US
- +1 646 876 9923 US (New York)
- +1 646 931 3860 US

Meeting ID: 851 3024 7137

Find your local number: <https://clackamascounty.zoom.us/j/98261234567>

**The Apparent Low bid results will be posted to the projects OregonBuys listing as soon as possible following the bid opening.

2. **Good Faith Effort:** Clackamas County encourages participation in contracts by Historically Underrepresented Businesses. “Historically Underrepresented Businesses” are State of Oregon-certified and self-identified minority, women and emerging small business as well as firms that are certified federally or by another state or entity with substantially similar requirements as the State of Oregon.

Bidders must perform Good Faith Effort (defined below) and submit **Form 1 and Form 2** for the Bidders Bid to be considered responsive. **Form 1 and Form 2** must be submitted within **two (2) hours** after the Closing Date and Time. Form 1 and Form 2 may be submitted to either the Contact Information Analyst listed on Notice of Contract Opportunity or via the <https://bidlocker.us/a/clackamascounty/BidLocker> listing.

“Good Faith Effort” is a requirement of a prime contractor to reach out to at least three Historically Underrepresented Business Subcontractors for each division of work that will be subcontracted out and to complete the required forms. If fewer than three Historically Underrepresented Business Subcontractors are reasonably available for a particular division of work, the Bidder must specifically note the reason for there being fewer than three contacts. The outreach should be performed with sufficient time to give the subcontractors at least 5 calendar days to respond to the opportunity. Form 3, which documents the actual amount of subcontractors on the project, must be submitted with the project final pay application. Compliance with the Good Faith Effort and submission of Forms 1, 2 and 3 is a contractual requirement for final payment.

The sufficiency of the documentation or the performance of Good Faith Effort shall be in the sole and absolute determination of Clackamas County. Only those

Bidders that Clackamas County has determined have not sufficiently performed Good Faith Effort shall have protest rights of the determination for such Bidder. No Bidder shall have protest rights of the sufficiency of any other Bidder completing Good Faith Effort.

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
SUBCONTRACTOR AND SELF-PERFORMED WORK LIST
(FORM 1)**

Prime Contractor Name: Eagle-Elsner, Inc.

Total Contract Amount: \$467,201.00

Project Name: #5024-60 Overland Park Paving Project

PRIME SELF-PERFORMING: Identify below ALL GFE Divisions of Work (DOW) to be self-performed. Good Faith Efforts are otherwise required.

DOW BIDDER WILL SELF-PERFORM (GFE not required)

Paving	
Traffic Control - partial	
Striping	
underground	

PRIME CONTRACTOR SHALL DISCLOSE AND LIST ALL SUBCONTRACTORS, including those Minority-owned, Woman-owned, and Emerging Small Businesses ("M/W/ESB") that you intend to use on the project. Hand delivery to Procurement, 2051 Kaen Road, Oregon City, OR 97045 or email to procurement@clackamas.us within 2 hours of the BID/Quote Closing Date/Time.

LIST ALL SUBCONTRACTORS BELOW Use <u>correct legal name</u> of Subcontractor (No Assumed Business Names)		Division of Work List ALL DOW performed by Subcontractors	DOLLAR AMOUNT OF SUBCONTRACT	If Certified or self-reporting MBE/WBE/ESB Subcontractor Check Box <input type="checkbox"/>		
				MBE	WBE	ESB
Name Address City/St/Zip Phone # OCCB#	High Quality Traffic Control 15400 Libby Lane SE Jefferson, OR 97352 (503) 949-8656 233615	Traffic Control - Flagging	\$60.00/hour as needed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Name Address City/St/Zip Phone # OCCB#	TFT Construction, Inc. 53990 West Lane Road Scappoose, OR 97056 (503) 543-7979 104648	Grinding	\$17,705	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name Address City/St/Zip Phone # OCCB#	Long Horn Geomatics 10940 SW Barnes Road #189 Portland, OR 97225 (403) 601-1147	Survey	\$10,800	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Name Address City/St/Zip Phone # OCCB#	Roger Langeliers Construction Co. 7145 NE Progress Court Hillsbor, OR 97124 (503) 533-5709 106364	Concrete	\$14,150	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**CLACKAMAS COUNTY
GOOD FAITH EFFORT
M/W/ESB CONTACT / BIDS RECEIVED LOG
(FORM 2)**

Prime Contractor: **EAGLE-ELSNER, INC.**
Project: # 2024-60 Overland Park Paving Project

Prime Contractor must contact or endeavor to contact at least 3 M/W/ESB Subcontractors for each Division of Work. Prime Contractor shall record its contacts with M/W/ESB Subcontractors through use of this log (or equivalent) entering all required information. All columns shall be completed where applicable. Additional forms may be copied if needed.

NAME OF M/W/ESB SUBCONTRACTOR	Divisions of Work (Painting, electrical, landscaping, etc.)	Date Solicitation Letter / Fax Sent	PHONE CONTACT		BID ACTIVITY Check Yes or No			REJECTED BIDS (if bid received & not used)		Notes
			Date of Call	Person Receiving Call	Will Bid	Bid Received	Bid Used	Bid Amount	Reason Not Used (Price, Scope or Other. if Other, explain in Notes>>)	
All About Flagging LLC	Traffic Control / Flagging	Emailed 6/21/24	6/21/24	Theresa	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Price was to expensive	Emailed Reynelda plans on 6/21/24
High Quality Traffic Control	Traffic Control / Flagging	Emailed 6/21/24	6/21/24	Shelly	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			Emailed Shelly plans on 6/21/24
IMN Traffic Specialties LLC	Traffic Control / Flagging		6/21/24	Maile	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Company is full for the summer.	Spoke with Maile and not providing quotes at this time.
Meza Excavation & Construction LLC	Concrete Flatwork	Emailed 6/21/24 & 7/2/24	6/21/24	Hector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Emailed Hector plans on 6/21/24
Faison Construction Inc	Concrete Flatwork	Emailed 6/21/24 & 7/2/24	6/21/24	Monique	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			Emailed Joe & Kevin plans on 6/21/24
Montelongo Set 2 Finish Concrete LLC	Concrete Flatwork	Emailed 6/21/24 & 7/2/24	6/21/24	Left Voicemail for Frank	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Price was to expensive	Left voicemail and emailed Frank plans on 6/21/24
					<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No			



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT

BID BOND

Project Name: # 2024-60 Overland Park Paving Project

We, Eagle Elsner, Inc., as "Principal,"
(Name of Principal)

and Western Surety Company, an South Dakota Corporation,
(Name of Surety)

authorized to transact Surety business in Oregon, as "Surety," hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns to pay unto Clackamas County ("Obligee") the sum of (\$ 10% of Bid---)

Ten Percent of Total Amount Bid--- dollars.

WHEREAS, the condition of the obligation of this bond is that Principal has submitted its proposal or bid to an agency of the Obligee in response to Obligee's procurement document (No.2024-60) for the project identified above which proposal or bid is made a part of this bond by reference, and Principal is required to furnish bid security in an amount equal to ten (10%) percent of the total amount of the bid pursuant to the procurement document.

NOW, THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a Contract with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the bidding or Contract Documents with good and sufficient surety for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the Principal to enter such Contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the Work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

IN WITNESS WHEREOF, we have caused this instrument to be executed and sealed by our duly authorized legal representatives this 21st day of June, 2024.

Principal: Eagle Elsner, Inc.

Surety: Western Surety Company

By: Richard Eagle, Pres
Signature

By: Gloria Bruning
Attorney-In-Fact

Richard Eagle, Pres
Official Capacity

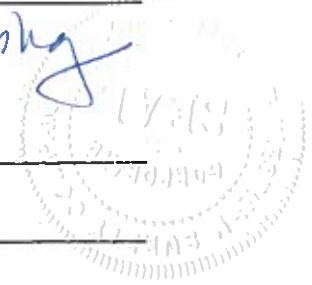
Gloria Bruning
Name

Attest: Mary O'Neil
Corporation Secretary

PO Box 2808
Address

Portland, OR 97208
City State Zip

503-224-2500 503-224-9830
Phone Fax



Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Philip O Forker, Vicki Mather, Gloria Bruning, J Patrick Dooney, Richard W Kowalski, Brent Olson, Leticia Romano, Joel Dietzman, Christopher A Reburn, Gail A Price, Justin Cumnock, Andrew Choruby, Chloe Lyons, Casey J Geske, Sterling Drew Roddan, Individually

of Lake Oswego, OR, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 6th day of November, 2023.



WESTERN SURETY COMPANY

Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 6th day of November, 2023, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

March 2, 2026



M. Bent, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 21st day of June, 2024.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

“RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company.”

Go to www.cnasurety.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT

BID FORM

PROJECT: # 2024-60 Overland Park Paving Project
BID CLOSING: July 3, 2024, 2:00 PM, Pacific Time
BID OPENING: July 3, 2024, 2:05 PM, Pacific Time

FROM: EAGLE-ELSNER, INC.
Bidder's Name (must be full legal name, not ABN/DBA)

TO: <https://bidlocker.us/a/clackamascounty/BidLocker>

1. Bidder is (check one of the following and insert information requested):

- a. An individual; or
- b. A partnership registered under the laws of the State of _____; or
- c. A corporation organized under the laws of the State of OREGON; or
- d. A limited liability corporation organized under the laws of the State of _____;

and authorized to do business in the State of Oregon hereby proposes to furnish all material and labor and perform all work hereinafter indicated for the above project in strict accordance with the Contract Documents for the Basic Bid as follows:

Four Hundred Sixty-Seven Thousand
Two-Hundred One Thousand Dollars (\$ 467,201⁰⁰)

and the Undersigned agrees to be bound by the following documents:

- Notice of Public Improvement Contract Opportunity
- Instructions to Bidders
- Bid Bond
- Public Improvement Contract Form
- Prevailing Wage Rates
- Plans, Specifications and Drawings
- Supplemental Instructions to Bidders
- Bid Form
- Performance Bond and Payment Bond
- Payroll and Certified Statement Form

• ADDENDA numbered 0 through 0, inclusive (fill in blanks)

2. The Undersigned proposes to add to or deduct from the Base Bid indicated above the items of work relating to the following Alternate(s) as designated in the Specifications: N/A

3. The Undersigned proposes to add to or deduct from the Base Bid indicated above the items or work relating to the following Unit Price(s) as designated in the Specifications, for which any adjustments in the Contract amount will be made in accordance with the project specifications: **Provide the attached Bid Schedules with Bid.**

4. The work shall be completed within the time stipulated and specified in 00180.50(h) of the Special Provisions for **Overland Park Paving Project, Clackamas County Department of Transportation and**

Development.

5. Accompanying herewith is Bid Security which is equal to ten percent (10%) of the total amount of the Basic Bid, plus the total sum of Alternatives (if any).

6. The Undersigned agrees, if awarded the Contract, to execute and deliver to Clackamas County, within twenty (20) calendar days after receiving the Contract forms, a Contract Form, and a satisfactory Performance Bond and Payment Bond each in an amount equal to one hundred percent (100%) of the Contract sum, using forms provided by the Owner. The surety requested to issue the Performance Bond and Payment Bond will be:

WESTERN SURETY
(name of surety company - not insurance agency)

The Undersigned hereby authorizes said surety company to disclose any information to the Owner concerning the Undersigned's ability to supply a Performance Bond and Payment Bond each in the amount of the Contract.

7. The Undersigned further agrees that the Bid Security accompanying the Bid is left in escrow with Clackamas County; that the amount thereof is the measure of liquidated damages which the Owner will sustain by the failure of the Undersigned to execute and deliver the above-named Contract Form, Performance Bond and Payment Bond, each as published, and that if the Undersigned defaults in either executing the Contract Form or providing the Performance Bond and Payment Bond within twenty (20) calendar days after receiving the Contract forms, then the Bid Security shall become the property of the Owner at the Owner's option; but if the Bid is not accepted within thirty (30) calendar days of the time set for the opening of the Bids, or if the Undersigned executes and timely delivers said Contract Form, Performance Bond and Payment Bond, the Bid Security shall be returned.

8. The Undersigned certifies that: (i) This Bid has been arrived at independently and is being submitted without collusion with and without any agreement, understanding, or planned common course of action with any other vendor of materials, supplies, equipment or services described in the invitation to bid designed to limit independent bidding or competition; and (ii) the contents of the Bid have not been communicated by the Undersigned or its employees or agents to any person not an employee or agent of the Undersigned or its surety on any Bond furnished with the Bid and will not be communicated to such person prior to the official opening of the Bid.

9. The undersigned HAS, HAS NOT (check one) paid unemployment or income taxes in Oregon within the past 12 months and DOES, DOES NOT (check one) a business address in Oregon. The undersigned acknowledges that, if the selected bidder, that the undersigned will have to pay all applicable taxes and register to do business in the State of Oregon before executing the Contract Form.

10. The Undersigned agrees, if awarded a contract, to comply with the provisions of ORS 279C.800 through 279C.870 pertaining to the payment of the prevailing rates of wage.

11. Contractor's CCB registration number is 27112. As a condition to submitting a bid, a Contractor must be registered with the Oregon Construction Contractors Board in accordance with ORS 701.035 to 701.055, and disclose the registration number. Failure to register and disclose the number will make the bid unresponsive and it will be rejected, unless contrary to federal law.

12. The successful Bidder hereby certifies that all subcontractors who will perform construction work as described in ORS 701.005(2) were registered with the Construction Contractors Board in accordance with ORS 701.035 to 701.055 at the time the subcontractor(s) made a bid to work under the contract.

13. The successful Bidder hereby certifies that, in compliance with the Worker's Compensation Law of

the State of Oregon, its Worker's Compensation Insurance provider is SAIF CORP,
Policy No. 810540, and that Contractor shall submit Certificates of Insurance as required.

14. Contractor's Key Individuals for this project (supply information as applicable):

Project Executive:	<u>DAVE ELSNER</u>	Cell Phone:	<u>(971) 235-4571</u>
Project Manager:	<u>BRENT WILLIAMS</u>	Cell Phone:	<u>(971) 235-7189</u>
Job Superintendent:	<u>DAVE ELSNER</u>	Cell Phone:	<u>(971) 235-4571</u>
Project Engineer:	<u>BRENT WILLIAMS</u>	Cell Phone:	<u>(971) 235-7189</u>

15. The Undersigned certifies that it has not discriminated against minority, women, or emerging small businesses in obtaining any subcontracts for this project.

16. The Undersigned certifies that it has a drug testing program in accordance with ORS 279C.505.

REMINDER: Bidder must submit the below First-Tier Subcontractor Disclosure Form.

By signature below, Contractor agrees to be bound by this Bid.

NAME OF FIRM EAGLE-ELSNER, INC.
ADDRESS P.O. BOX 23294
TIGARD, OR 97281
TELEPHONE NO (971) (503) 628-1137
EMAIL DICK@EAGLE-ELSNER.COM
SIGNATURE 1) _____
Sole Individual
or 2) _____
Partner
or 3) *Dick Eagle Pres*
Authorized Officer or Employee of Corporation

***** END OF BID *****

Overland Park Paving Project

Summer 2024

page 1 of 2

Item #	Spec #	Item Description	Unit	Quantity	Unit Price	Amount
TEMPORARY FEATURES AND APPURTENANCES						
101	00197	EXTRA WORK DONE ON FORCE ACCOUNT BASIS	LS	1	\$ 15,000.00	\$ 15,000.00
102	00210	MOBILIZATION	LS	1	26,900 ⁰⁰	26,900 ⁰⁰
103	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE OVERLAND ST	LS	1	4,000 ⁰⁰	4,000 ⁰⁰
104	00222	TEMPORARY PROJECT INFORMATION SIGNS	SQFT	60	23 ⁰⁰	1,380 ⁰⁰
105	00280	EROSION CONTROL PLAN	LS	1	1,140 ⁰⁰	1,140 ⁰⁰
106	00290	POLLUTION CONTROL PLAN	LS	1	960 ⁰⁰	960 ⁰⁰
TEMPORARY FEATURES AND APPURTENANCES-SUBTOTAL						86,380⁰⁰
ROADWORK						
107	00305	CONSTRUCTION SURVEY WORK	LS	1	14,500 ⁰⁰	14,500 ⁰⁰
108	00310	REMOVAL OF SURFACINGS	SQYD	600	9 ⁰⁰	5,400 ⁰⁰
109	00331	12 INCH SUBGRADE STABILIZATION	SQYD	710	37 ⁰⁰	26,270 ⁰⁰
ROADWORK-SUBTOTAL						46,170⁰⁰
DRAINAGE AND SEWERS						
110	00445	12 INCH DI STORM SEWER PIPE, 0-5 FT DEPTH	FOOT	17	276 ⁰⁰	4,692 ⁰⁰
111	00470	CONCRETE INLETS, TYPE G-2	EACH	1	3,672 ⁰⁰	3,672 ⁰⁰
112	00470	SNOUT AND OIL DEBRIS STOP	EACH	1	1,125 ⁰⁰	1,125 ⁰⁰
113	00480	DRAINAGE CURBS	FOOT	200	17 ⁰⁰	3,400 ⁰⁰
114	00490	CONNECTION TO EXISTING STRUCTURES	EACH	1	790 ⁰⁰	790 ⁰⁰
115	00490	INSTALL CAST IRON MONUMENT BOXES	EACH	5	1,085 ⁰⁰	5,425 ⁰⁰
116	00495	TRENCH RESURFACING	SQYD	10	75 ⁰⁰	750 ⁰⁰
DRAINAGE AND SEWERS-SUBTOTAL						19,854⁰⁰
BASES						
117	00610	RECONDITIONING EXISTING ROADWAY	SQYD	4,000	4 ⁰⁰	16,000 ⁰⁰
118	00620	COLD PLANE PAVEMENT REMOVAL, 2 - 3 INCHES DEEP	SQYD	253	3 ⁰⁰	759 ⁰⁰
119	00620	COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD	2,448	3 ⁰⁰	7,344 ⁰⁰
120	00620	COLD PLANE PAVEMENT REMOVAL, 3 INCHES DEEP	SQYD	5,802	35 ⁰⁰	20,307 ⁰⁰
121	00641	AGGREGATE SHOULDERS, 3/4"-0	TON	42	97 ⁰⁰	4,074 ⁰⁰
122	00641	AGGREGATE BASE, 3/4"-0"	TON	64	60 ⁰⁰	3,840 ⁰⁰
BASES - SUBTOTAL						52,324⁰⁰

Overland Park Paving Project

Summer 2024

Item #	Spec #	Item Description	Unit	Quantity	Unit Price	Amount
WEARING SURFACES						
123	00745	LEVEL 2, 1/2 INCH ACP	TON	1,800	106 ⁰⁰	190,800 ⁰⁰
124	00748	14 INCH ASPHALT CONCRETE PAVEMENT REPAIR	SQYD	700	51 ⁰⁰	35,700 ⁰⁰
125	00749	EXTRA FOR ASPHALT APPROACHES	EACH	3	685 ⁰⁰	2,055 ⁰⁰
126	00749	EXTRA FOR SPOT GRIND AND INLAYS	SQYD	1,410	8 ⁰⁰	11,280 ⁰⁰
127	00749	EXTRA FOR CURB RAMP ASPHALT PLUG	SQFT	63	17 ⁰⁰	1,071 ⁰⁰
128	00759	CONCRETE CURBS, CURB AND GUTTER	FOOT	32	88 ⁰⁰	2,816 ⁰⁰
129	00759	CONCRETE WALKS	SQFT	376	21 ⁰⁰	7,896 ⁰⁰
130	00759	EXTRA FOR NEW CURB RAMPS	EA	2	1,780 ⁰⁰	3,560 ⁰⁰
131	00759	TRUNCATED DOMES ON NEW SURFACES	SQFT	20	40 ⁰⁰	800 ⁰⁰
WEARING SURFACES - SUBTOTAL						255,978⁰⁰
PERMANENT TRAFFIC SAFETY AND GUIDENCE DEVICES						
132	00867	PAVEMENT BAR, TYPE B-HS	SQFT	60	18 ⁰⁰	1,080 ⁰⁰
PERMANENT TRAFFIC SAFETY AND GUIDENCE DEVICES - SUBTOTAL						1,080⁰⁰
PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS						
133	00902	CROSSWALK CLOSURE SUPPORTS	EACH	3	855 ⁰⁰	2,565 ⁰⁰
PERMANENT TRAFFIC CONTROL AND ILLUMINATION SYSTEMS - SUBTOTAL						2,565⁰⁰
RIGHT-OF-WAY DEVELOPMENT AND CONTROL						
134	01030	ROADSIDE RESTORATION	LS	1	2,850 ⁰⁰	2,850 ⁰⁰
RIGHT-OF-WAY DEVELOPMENT AND CONTROL - SUBTOTAL						2,850⁰⁰
TOTAL					467,201⁰⁰	

Total Price Four Hundred Sixty-Seven Thousand, Two Hundred One Dollars and No Cents

Name of Firm Eagle-Elsner Inc

Name (Print) Richard Eagle, President

Signature Richard Eagle, Pres

Date 07-03-24

**FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM
PROJECT: #2024-60 Overland Park Paving Project**

BID OPENING: July 3, 2024, 2:00 PM, Pacific Time

Failure to submit this Form by the disclosure deadline will result in a nonresponsive bid.

INSTRUCTIONS:

This First-Tier Subcontractor Disclosure Form ("Form") must be submitted and received at the location specified in the Notice of Public Improvement Contract Opportunity on the advertised Bid Closing, and within two working hours after the advertised Bid Closing Time.

- A. Completed proposal documents must arrive electronically via Bid Locker located at <https://bidlocker.us/a/clackamascounty/BidLocker>.
- B. Bid Locker will electronically document the date and time of all submissions. Completed documents must arrive by the deadline indicated in Section 1 or as modified by Addendum. **LATE PROPOSALS WILL NOT BE ACCEPTED.**
- C. Proposers must register and create a profile for their business with Bid Locker in order to submit for this project. It is free to register for Bid Locker.
- D. Proposers with further questions concerning Bid Locker may review the Vendor's Guide located at <https://www.clackamas.us/how-to-bid-on-county-projects>.

Subcontractor lists may be submitted with the bid in the same envelope or email at the Bid Closing date and time. Subcontractor lists **MUST** be submitted within **two (2) hours** of the Bid Closing date and time.

List below the name of each subcontractor that will be furnishing labor, or labor and materials, for which disclosure is required, the category of work that the subcontractor will be performing, and the dollar value of the subcontract. Enter "**NONE**" if the value of the project bid is less than \$100,000 or there are no subcontractors that need to be disclosed. **ATTACH ADDITIONAL SHEETS IF NECESSARY.**

	SUBCONTRACTOR NAME	DOLLAR VALUE	CATEGORY OF WORK
1.	<u>LONGHORN GEOMATICS</u>	<u>10,800-</u>	<u>SURVEY</u>
2.	<u>HQ TRAFFIC CONTROL</u>	<u>60.00/HR</u>	<u>FLAGGING</u>
3.	<u>TFT CONSTRUCTION</u>	<u>17,705-</u>	<u>GRINDING</u>
4.	<u>RLC</u>	<u>14,150-</u>	<u>CONCRETE</u>
5.	_____	_____	_____
6.	_____	_____	_____

The above listed first-tier subcontractor(s) are providing labor, or labor and material, with a Dollar Value equal to or greater than:

- a) 5% of the total Contract Price, but at least \$15,000. If the Dollar Value is less than \$15,000 do not list the subcontractor above; or
- b) \$350,000 regardless of the percentage of the total Contract Price.

Firm Name: EAGLE-ELSNER, INC.

Bidder Signature: *Richard Eagle, Pres* Phone # (503) 628-1137

all respects perform said contract according to law, then this obligation is to be void; otherwise, it shall remain in full force and effect for so long as any term of the Contract remains in effect.

Nonpayment of the bond premium will not invalidate this bond nor shall Clackamas County, be obligated for the payment of any premiums.

This bond is given and received under authority of Oregon Revised Statutes Chapter 279C and the Clackamas County Local Contractor Review Board Rules, the provisions of which hereby are incorporated into this bond and made a part hereof.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES.

Dated this _____ day of July, 2024.

PRINCIPAL: Eagle Elsner, Inc.

By: Richard Agle, Pres
Signature

President
Official Capacity
Attest: Mary Newton
Corporation Secretary

SURETY: Western Surety Company
[Add signatures for each if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each bond]

Gloria Bruning
Name
Gloria Bruning
Signature

PO Box 2808
Address

Portland, OR 97208
City State Zip

503-224-2500 503-224-9830
Phone Fax



Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Philip O Forker, Vicki Mather, Gloria Bruning, J Patrick Dooney, Richard W Kowalski, Brent Olson, Leticia Romano, Joel Dietzman, Christopher A Reburn, Gail A Price, Justin Cumnock, Andrew Choruby, Chloe Lyons, Casey J Geske, Sterling Drew Roddan, Individually

of Lake Oswego, OR, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 6th day of November, 2023.



WESTERN SURETY COMPANY

Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 6th day of November, 2023, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

March 2, 2026



M. Bent, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this _____ day of July, 2024.



WESTERN SURETY COMPANY

L. Nelson, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

“RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company.”

Go to www.enasuretv.com > Owner / Obligee Services > Validate Bond Coverage, if you want to verify bond authenticity.



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT

PAYMENT BOND

Bond No.: 30222568
Solicitation: #2024-60
Project Name: Overland Park Paving Project

Table with 2 columns: Description and Amount. Rows include Western Surety Company (Surety #1), (Surety #2)*, Bond Amount No. 1 (\$467,201.00), Bond Amount No. 2:*, and Total Penal Sum of Bond (\$467,201.00).

* If using multiple sureties

We, Eagle Elsner, Inc., as Principal, and the above identified Surety(ies), authorized to transact surety business in Oregon, as Surety, hereby jointly and severally bind ourselves, our respective heirs, executors, administrators, successors and assigns firmly by these presents to pay unto Clackamas County, the sum of (Total Penal Sum of Bond) Four Hundred Sixty Seven Thousand Two Hundred One & No/100-- (Provided, that we the Sureties bind ourselves in such sum "jointly and severally" as well as "severally" only for the purpose of allowing a joint action or actions against any or all of us, and for all other purposes each Surety binds itself, jointly and severally with the Principal, for the payment of such sum only as is set forth opposite the name of such Surety); and

WHEREAS, the Principal has entered into a contract with Clackamas County, along with the plans, specifications, terms and conditions of which are contained in above-referenced Solicitation; and

WHEREAS, the terms and conditions of the contract, together with applicable plans, standard specifications, special provisions, schedule of performance, and schedule of contract prices, are made a part of this Payment Bond by reference, whether or not attached to the contract (all hereafter called "Contract"); and

WHEREAS, the Principal has agreed to perform the Contract in accordance with the terms, conditions, requirements, plans and specifications, and schedule of contract prices which are set forth in the Contract and any attachments, and all authorized modifications of the Contract which increase the amount of the work, or the cost of the Contract, or constitute authorized extensions of time for performance of the Contract, notice of any such modifications hereby being waived by the Surety:

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal shall faithfully and truly observe and comply with the terms, conditions and provisions of the Contract, in all respects, and shall well and truly and fully do and perform all matters and things by it undertaken to be performed under said Contract and any duly authorized modifications that are made, upon the terms set forth therein, and within the time prescribed therein, or as extended therein as provided in the Contract, with or without notice to the Sureties, and shall defend, indemnify, and save harmless Clackamas County and its elected officials, officers, employees and agents, against any claim for direct or indirect damages of every kind and description that shall be suffered or claimed to be suffered in connection with or arising out of the performance of the Contract by the Contractor or its subcontractors, and shall promptly pay all persons supplying labor, materials or both to the Principal or its subcontractors for prosecution of the work provided in the Contract; and shall promptly pay all contributions due the State Industrial Accident Fund and the State Unemployment Compensation Fund from the Principal or its subcontractors in connection with the performance of the Contract; and shall pay over to the Oregon Department of Revenue all sums required to be deducted and retained from the wages of employees of the Principal and its subcontractors pursuant to ORS 316.167, and

shall permit no lien nor claim to be filed or prosecuted against Clackamas County on account of any labor or materials furnished; and shall do all things required of the Principal by the laws of this State, then this obligation shall be void; otherwise, it shall remain in full force and effect for so long as any term of the Contract remains in effect.

Nonpayment of the bond premium will not invalidate this bond nor shall Clackamas County be obligated for the payment of any premiums.

This bond is given and received under authority of Oregon Revised Statutes Chapter 279C and the Clackamas County Local Contractor Review Board Rules, the provisions of which hereby are incorporated into this bond and made a part hereof.

IN WITNESS WHEREOF, WE HAVE CAUSED THIS INSTRUMENT TO BE EXECUTED AND SEALED BY OUR DULY AUTHORIZED LEGAL REPRESENTATIVES:

Dated this _____ day of July, 20 24.

PRINCIPAL: Eagle Elsner, Inc.

By: *Richard Eagle, Pres*
Signature

Mary J. Newton
President
Official Capacity
Attest: Corporation Secretary

SURETY: Western Surety Company
[Add signatures for each if using multiple bonds]

BY ATTORNEY-IN-FACT:
[Power-of-Attorney must accompany each bond]

Gloria Bruning
Name
Gloria Bruning
Signature

PO Box 2808
Address

Portland, OR 97208
City State Zip

503-224-2500 503-224-9830
Phone Fax



Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Philip O Forker, Vicki Mather, Gloria Bruning, J Patrick Dooney, Richard W Kowalski, Brent Olson, Leticia Romano, Joel Dietzman, Christopher A Reburn, Gail A Price, Justin Cumnock, Andrew Choruby, Chloe Lyons, Casey J Geske, Sterling Drew Roddan, Individually

of Lake Oswego, OR, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 6th day of November, 2023.



WESTERN SURETY COMPANY

Larry Kasten
Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 6th day of November, 2023, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires
March 2, 2026



M. Bent
M. Bent, Notary Public

CERTIFICATE

I, L. Nelson, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Law and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this day of July, 2024.



WESTERN SURETY COMPANY

L. Nelson
L. Nelson, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company:

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

“RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company.”

Go to www.cnasurety.com > Owner / Oblige Services > Validate Bond Coverage, if you want to verify bond authenticity.



CLACKAMAS COUNTY
PUBLIC IMPROVEMENT CONTRACT
PROJECT INFORMATION, PLANS, SPECIFICATIONS AND DRAWINGS

PROJECT: #2024-60 Overland Park Paving Project

Project Background:

The Overland Park Paving Project is an asphalt paving contract. This contract will resurface 0.65 miles of SE Overland Street between SE Bell Avenue and SE 82nd Avenue. SE Overland Street is classified as an urban connector.

This contract will include, but not be limited to: placing approximately, 1,800 tons of asphalt; 8,500 square yards of cold plane pavement removal; completing pavement repairs of varying depth; completing minor storm drainage improvements; installing, maintaining, and removing temporary work zone traffic control measures; and performing additional incidental work as called for by the specifications and plans.

Engineers Estimate: \$573,000.00

Key Dates:

All Basic Bid Work may begin as soon as the Notice to Proceed (“NTP”) is issued

Substantial Completion: September 15, 2024

Final Completion: December 31, 2024

Time is of the essence for this Project. Note the Liquidated Damages requirements as described in the project Specifications.

The Scope further includes the following Plans, Specifications and Drawings:

SPECIAL PROVISIONS FOR OVERLAND PARK PAVING PROJECT- CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, (74 PAGES)

Haines Mill Road Paving Project- Drawing Set, SHEET No. G-01-G-02, TC-1, C-01-C-11, RD610, RD700, RD720-RD721, RD900-RD901, RD910, RD930, RD1010, TM240, TM500, TM503, TM530, TM800, TM821, TM840-TM841, TM844, TM850, M100, D500, SWM-27 (36 Pages).

SPECIAL PROVISIONS
FOR
OVERLAND PARK PAVING PROJECT

**CLACKAMAS COUNTY DEPARTMENT OF
TRANSPORTATION AND DEVELOPMENT**

CLACKAMAS COUNTY, OREGON



Asphalt Paving & Oiling, Earthwork and Drainage,
Miscellaneous Highway Appurtenances, and Temporary Traffic Control

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

SPECIAL PROVISIONS


FOR

OVERLAND PARK PAVING PROJECT

CI-3-23311

CLACKAMAS COUNTY, OREGON

PROFESSIONAL OF RECORD CERTIFICATION(s):

<p>Seal w/signature</p>  <p>DIGITALLY SIGNED 2024.06.11 14:37:22-07:00</p>	<p>I certify the Special Provisions Sections listed below are applicable to the design for the subject project for traffic and roadway improvements. Modified Special Provisions were prepared by me or under my supervision.</p> <p>Section 00210, 00220, 00221, 00222, 00223, 00224, 00225, 00228, 00280, 00290, 00305, 00310, 00320, 00330, 00331, 00340, 00405, 00440, 00442, 00445, 00470, 00480, 00490, 00495, 00610, 00620, 00641, 00730, 00745, 00748, 00749, 00759, 00850, 00867, 00902, 00940, 01030, 01070, 02001, 02020, 02030, 02040, 02050, 02080, 02450, 02910,</p>
<p>Date Signed: <u>06-11-2024</u></p>	

SPECIAL PROVISIONS

WORK TO BE DONE

OVERLAND PARK PAVING PROJECT, CLACKAMAS COUNTY, OREGON

The Overland Park Paving Project is an asphalt paving contract. This contract will resurface 0.65 miles of SE Overland Street between SE Bell Ave and SE 82nd Avenue. SE Overland Street is classified as an urban connector.

This contract will include, but not be limited to: placing approximately 1,800 tons of asphalt; 8,500 square yards of cold plane pavement removal; completing pavement repairs of varying depth; completing minor storm drainage improvements; installing, maintaining, and removing temporary work zone traffic control measures; and performing additional incidental work as called for by the specifications and plans. The project estimate for this contract is \$573,000.

APPLICABLE SPECIFICATIONS

The Specification that is applicable to the Work on this Project is the 2021 edition of the "Oregon Standard Specifications for Construction" produced by the Oregon Department of Transportation and the Oregon Chapter or the APWA.

All number references in these Special Provisions shall be understood to refer to the Sections and subsections of the Standard Specifications and Supplemental Specifications bearing like numbers and to Sections and subsections contained in these Special Provisions in their entirety.

CLASS OF PROJECT

This is a Clackamas County Project and it is **not** federally funded.

CLASS OF WORK

Asphalt Concrete Paving and Oiling (ACP)
Earthwork and Drainage (EART)
Miscellaneous Highway Appurtenances, (MHA)
Temporary Traffic Control (TTC)

Section 00110 – Organization, Conventions, Abbreviations and Definitions

Comply with Section 00110 of the Standard Specifications modified as follows:

00110.05(a) Grammer

Add the following bullet to the bullet list:

- For the purposes of this Contract, the terms "sidewalk ramp" and "sidewalk ramps" shall respectively refer to and shall be read to mean "curb ramp" and "curb ramps".

Replace the bullet that begins “Certain Subsections labeled “Payment” contain...” with the following bullet:

- Certain Subsections labeled “Payment” contain statements to the effect that the accepted quantities “will be paid for at the Contract unit price, per unit of measurement, for the following items” (followed by a list of items). In such cases, the Agency will pay for only those Pay Items listed in the Schedule of Items.

00110.05(d) References to Laws, Acts, Regulations, Rules, Ordinances, Statutes, Orders, and Permits

Add the following to the first bullet (Statutes and Rules):

- Clackamas County’s Local Contract Review Board (LCRB) Rules are accessible online on the County’s website
<https://dochub.clackamas.us/documents/drupal/ef976bc9-14f4-495b-9bd8-c69ee7334685>.

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
- BidExpress
www.bidx.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 Electronic Bidding Information Distribution System (eBids)
(Also referred to as ODOT eBids website)
ecm.odot.state.or.us/cf/EBIDS/
- ODOT Estimating
www.oregon.gov/ODOT/Business/Pages/Steel.aspx
- Oregon Legislative Counsel
www.oregonlegislature.gov/lc
- ODOT Procurement Office - Conflict of Interest Guidelines and Disclosure Forms
www.oregon.gov/ODOT/Business/Procurement/Pages/PSK.aspx
- ODOT Procurement Office - Construction Contracts Unit Notice of Intent
www.oregon.gov/ODOT/Business/Procurement/Pages/NOI.aspx
- ODOT Procurement Office - Construction Contracts Unit prequalification forms
www.oregon.gov/odot/business/procurement/pages/bid_award.aspx
- Oregon Secretary of State: State Archives
sos.oregon.gov/archives/Pages/default.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

00110.10 Abbreviations

Add the following:

- CCDA - Clackamas County Development Agency
- DTD - Clackamas County Department of Transportation and Development
- LCRB - Local Contract Review Board
- ODFW - Oregon Department of Fish and Wildlife
- UNS - Utility Notification System
- WES - Water Environment Services of Clackamas County

00110.20 Definitions-Add the following to this subsection:

Agreement Form – The written agreement between the Owner and Contractor covering the work to be performed under the contract.

Amendment – A contract modification for Additional Work, Changed Work, Extra Work, Field Directives, or other changes. An Amendment changes the contract value, scope, and/or time. Amendments require formal approval by the Board of County Commissioners, pursuant to LCRB Rule Division C-049-160, prior to approval of such work.

Approved Equal - Materials or services proposed by the contractor and approved by the County as equal substitutes for those materials or services specified.

Award – Same as “Notice to Intent to Award”.

BCC – The Clackamas County Board of County Commissioners

Bid - A written offer by a bidder on forms furnished by the County to do work stated in the bid documents at the prices quoted. "Bid" is synonymous with "proposal" in these bid documents.

Bid Closing - The date and time for Bid Closing is the same as the date and time for Bid Opening.

Bid Documents- The following documents together comprise the Bid Documents:

- Invitation to Bid, Instructions to Bidders, Bid Form, Bid Proposal, Schedule of Prices, Bid
- Bond, Performance Bond
- Certificate of Insurance, Prevailing Wage Rates
- The "Oregon Standard Specifications for Construction" by ODOT and APWA, 2021 edition.
- Plans and drawings
- Other bid documents included or referenced in the bid documents
- Addenda, if any
- The Agreement Form and Special Provisions

Bonds -The bond or surety bond is a written document given by the surety and principal to the obligee to guarantee a specific obligation.

Change Order - A price agreement for Extra Work, Changed Work, field directives or other changes. A Change Order does not change the contract value, scope, or time until it is incorporated into an Amendment. Change Orders will be agreed upon, in writing, by the County Project Manager and the Contractor’s designated representative.

Contract - The written contract agreement, including amendments, signed by the Contractor and Clackamas County, which describes the work to be done, the contract amount, and defines the relationships and obligations of the Contractor and the County.

Contract Documents - The Invitation to Bid, the Instructions to Bidders, the accepted Bid Proposal and Schedule of Prices, the Subcontractor List, the Bid Bond, the Performance and Payment Bond, the Certificate of Insurance, the Prevailing Wage Rates, the Standard Specifications and Special Provisions, Amendments, the Plans and Drawings, the Agreement, as well as all documents incorporated by reference therein, and any and all addenda prepared by or at the direction of and adopted by the County and further identified by the signature of the parties and all modifications thereof incorporated in the documents before their execution.

County - The term "County" shall mean Clackamas County, including the Board of County Commissioners, employees and agents of the County authorized to administer the conditions of these contract documents.

Department – A subdivision of the Agency.

Engineer - The County's Project Manager either acting directly or through an authorized representative(s). When referring to approval of extra work or other Contract modifications, "Engineer" also refers to the County's legal authority according to the LCRB rules.

Invitation to Bid - The public announcement (Notice to Contractors) inviting bids for work to be performed or materials to be furnished.

Legal Holiday - As defined in ORS 279C.540.

Lump Sum - A method of payment providing for one all-inclusive cost for the work or for a particular portion of the work.

Notice of Intent to Award - A written notice from the County notifying bidders that the County intends to award to the responsible bidder submitting lowest responsive bid.

ODOT Procurement Office – Clackamas County Procurement Division.

Owner – Synonymous with Agency.

Plan Holder's List – A list of contractor's names, contact names, phone and fax numbers that the County's Purchasing Department creates during bidding of the Project.

Project Manager – The Owner's representative who directly supervises the engineering and administration of the contract.

Shop Drawings – Synonymous with Working Drawings.

Solicitation Document – Synonymous with Bid Documents.

Standard Drawings – The Agency-prepared detailed drawings for Work or methods of construction that normally do not change from project to project. The Standard Drawings include the ODOT Standard Drawings.

Standard Specifications - "Oregon Standard Specifications for Construction", current edition, published by the Oregon Department of Transportation and as amended by **the Agency**.

State - Where the term "State" or "State of Oregon" or "ODOT" appears in the contract documents it shall mean "Clackamas County", "State of Oregon", or "ODOT" as applicable because of context.

Work Day - Any and every calendar day from January 1 to December 31 of every year, excluding Saturdays, Sundays and Legal Holidays.

Add the following to the end of this subsection:

See Clackamas County General Conditions for Public Improvement Contracts for additional definitions.

END OF SECTION

Section 00120 – Bidding Requirements and Procedures

Comply with Section 00120 of the Standard Specifications modified as follows:

00120.00 Prequalification of Bidders - Replace with the following:

00120.00 Prequalification of Bidders - See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.01 General Bidding Requirements – Replace with the following:

00120.01 General Bidding Requirements – See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.05 Request for Plans, Special Provisions, and Bid Booklets: – Replace with the following:

00120.05 Request for Plans, Special Provisions, and Bid Booklets: – Bid documents may be obtained from the Clackamas County Procurement Division as indicated in Notice of Public Improvement Contract Opportunity.

Copies of the 2021 Oregon Standard Specifications for Construction and Supplements might be found on the Oregon Department of Transportation website at:

http://www.oregon.gov/ODOT/Business/Pages/Standard_Specifications.aspx

00120.10 Bid Booklet - In the paragraph that begins "The Bid Section includes all pages after...", add the following bullet to the bullet list:

- Certificate of nondiscrimination regarding ORS 279A.110 and certificate regarding policy and practice against sexual harassment, sexual assault and discrimination against employees who are members of a protected class as required by ORS 279A.112 (House Bill 3060, 2017)

00120.15 Examination of Work Site and Solicitation Documents; Consideration of Conditions to be Encountered – Delete the third paragraph.

00120.30 Changes to Plans, Specifications, or Quantities before Opening of Bids - Replace with the following:

00120.30 Changes to Plans, Specifications, or Quantities before Opening of Bids - See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.40 Preparation of Bids – Replace with the following:

00120.40 Preparation of Bids – See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.45 Submittal of Bids - Replace with the following:

00120.45 Submittal of Bids - See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.50 Submitting Bids for More than One Contract – Delete this subsection.

00120.60 Revision or Withdrawal of Bids - Replace with the following:

00120.60 Revision or Withdrawal of Bids - See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.68 Mistakes in Bids – Replace with the following:

00120.68 Mistakes in Bids – See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.70 Rejection of Nonresponsive Bids – Replace with the following:

00120.70 Rejection of Nonresponsive Bids – See Clackamas County Public Improvement Contract: Instructions to Bidders.

00120.95 Opportunity for Cooperative Arrangement – Delete this subsection.

END OF SECTION

Section 00130 – Award and Execution of Contract

Comply with Section 00130 of the Standard Specifications modified as follows:

00130.00 Consideration of Bids - Delete third paragraph.

00130.10 Award of Contract - Replace with the following:

00130.10 Award of Contract - See Clackamas County Public Improvement Contract: Instructions to Bidders.

00130.15 Right to Protest Award – Replace with the following:

00130.15 Right to Protest Award – See Clackamas County Public Improvement Contract: Instructions to Bidders.

00130.30 Contract Booklet – Add the following:

Other documents are part of the contract documents by reference. These include, but are not limited to:

- The "Oregon Standard Specifications for Construction", 2021 Edition, as published by the Oregon Department of Transportation (ODOT).
- "Oregon Standard Drawings" latest edition, as published by ODOT.
- Clackamas County Service District No. 1 "Surface Water Standard Specifications", latest edition.

00130.40 Contract Submittals - Replace with the following:

00130.40 Contract Submittals - See Clackamas County Public Improvement Contract: Instructions to Bidders.

00130.70 Release of Bid Guaranties – Replace with the following:

00130.70 Release of Bid Guaranties – See Clackamas County Public Improvement Contract: Instructions to Bidders.

00130.80 Project Site Restriction- Replace the paragraph that begins "Until the Agency sends...", with the following paragraph:

Until the Agency sends the Contractor written Notice to Proceed with the Work, and the Contractor has filed the public works bonds required in 00170.20, the Contractor shall not go onto the Project Site on which the Work is to be done, nor move Materials, Equipment or workers onto the Project Site.

END OF SECTION

Section 00140 – Scope of Work

Comply with Section 00140 of the Standard Specifications supplemented modified as follows:

00140.30 Agency-Required Changes in the Work – Replace the last paragraph with the following:

Upon receipt of an Engineer's written order modifying the Work, the Contractor shall perform the Work as modified via Change Order, which may be subject to approval as an Amendment.

If an Amendment incorporating changes to the Work increases the Contract amount, the Contractor shall notify its Surety of the increase and shall provide the Agency with a copy of any resulting modification to bond documents. The Contractor's performance of Work pursuant to Amendments shall neither invalidate the Contract nor release the Surety. Payment for changes in the Work shall be made in accordance with 00195.20. Contract Time adjustments shall be made in accordance with 00180.80.

00140.31 "As-Built" Records - Add the following:

Maintain a current and accurate record of the work completed during the course of this contract. This may be in the form of "as-built" drawings kept by accurately marking a designated set of the contract plans with the specified information as the Work proceeds. Accurate, complete and current "as-built" drawings are a specified requirement for full partial payment of the work completed. At project completion and as a condition of final payment, the Contractor shall deliver to the Project Manager a complete and legible set of "as-built" drawings.

The "as-built" drawings must show the information listed below. Where the term "locate" or "location" is used, it shall mean record of position with respect to both the construction vertical datum and either construction horizontal datum or a nearby permanent improvement.

- 1) Record location of underground services and utilities as installed.
- 2) Record location of existing underground utilities and services that are to remain and that are encountered during the course of the work.
- 3) Record changes in dimension, location, grade or detail to that shown on the plans.
- 4) Record changes made by change order.
- 5) Record details not in the original plans.
- 6) Provide fully completed shop drawings reflecting all revisions.

END OF SECTION

Section 00150 – Control of Work

Comply with Section 00150 of the Standard Specifications modified as follows:

00150.00 Authority of the Engineer – Replace the first sentence with the following:

Except as indicated elsewhere in the Contract (e.g. Amendment approval by the BCC), the Engineer has full authority over the Work and its suspension.

00150.05 Cooperative Arrangements – Delete this subsection.

00150.10 Coordination of Contract Documents

(a) Order of Precedence – Replace with the following:

The Engineer will resolve any discrepancies between these documents in the following order of precedence:

- Approved Amendments;
- Approved Change Orders
- Bid Schedule with Schedule of Prices;
- Permits from governmental agencies
- Special Provisions;
- Agency-prepared drawings specifically applicable to the Project and bearing the Project title;
- Reviewed and accepted, stamped Working Drawings;
- Agreement Form;
- Standard Drawings;
- Approved Unstamped Working Drawings;
- Standard Specifications;
- All other Contract Documents not listed above.

Notes on a drawing shall take precedence over drawing details.

Dimensions shown on the drawings, or that can be computed, shall take precedence over scaled dimensions.

00150.15(a) General – Delete this subsection.

00150.15(b) Agency Responsibilities - Replace this subsection, except for the subsection number and title, with the following:

The Engineer will:

- Provide copies of plans and specifications.
- Perform measurements and calculations for pay quantities.

- Perform final "as constructed" measurements.

00150.15(c) Contractor Responsibilities - Replace this subsection, except for the subsection number and title, with the following:

The Contractor shall be responsible to furnish all field controls for setting principal lines, grades, and measurements as needed to construct the Work as indicated in the Contract Documents.

00150.50 Cooperation with Utilities: Add the following to the end of Paragraph (a):

There may be other utility servers who are not specifically listed in these Special Provisions or on the Plans that may be adjusting or inspecting their facilities within the project limits.

The locations, depth and description of existing utilities shown were compiled from available GIS mapping, records and/or field observations. The Engineer or Utility Companies do not guarantee the accuracy or the completeness of such locations. Additional utilities may exist in the project area.

00150.50(c) Contractor Responsibilities – Add the following to the bulleted list:

- Follow applicable rules adopted by the Oregon Utility Notification Center;
- Contact Utility owners during Bid preparation and after Contract is awarded to verify all Utilities involvement on the Project Site;
- Hold a utility scheduling meeting and monthly utility coordination meetings (see also 00180.42);
- Coordinate Project construction with Utilities' planned adjustments, take all precautions necessary to prevent disruption of Utility service, and perform its Work in the manner that results in the least inconvenience to the Utility owners;
- Include all Utility adjustment work, whether to be performed by the Contractor or the Utilities, on the Contractor's Project Work schedule submitted under 00180.41;
- Protect from damage or disturbance any Utility that remains within the area in which Work is being performed. Maintain and re-establish utility location marks according to OAR 952-001-0090(2)(a). Coordinate re-establishment of the location marks with the associated Utility;
- Not disturb an existing Utility if it requires an unanticipated adjustment, but shall protect the Utility from damage or disturbance and promptly notify the Engineer;
- Determine the exact location before excavating within the reasonable accuracy zone according to OAR 952-001-0090(2)(c);
- Backfill any exposed utilities as recommended and approved by the Utility representative. Obtain utility locate warning tape from the Utility and replace damaged or removed warning tape. Utility locate warning tape may not be present at all existing utilities;
- Stake, place warning tape, and maintain no work limits around critical Utility facilities as shown or directed by the Engineer and the Utility;
- In addition to the notification required in OAR 952-001-0090(5), notify the Engineer and the Utility as soon as the Contractor discovers any previously unknown Utility conflicts or issues. Contrary to the OAR, stop excavating until

- directed by the Engineer and allow the Utility a minimum of two weeks to relocate or resolve the previously unknown utility issues;
- Report to the Engineer any Utility owner who fails to cooperate or fails to follow the planned Utility adjustment.

Subject to the Engineer's approval, the Contractor may adjust the Utilities by asking the Utility owners to move, remove, or alter their facilities in ways other than as shown on the Plans or in the Special Provisions. The Contractor shall conduct all negotiations, make all arrangements, and assume all costs that arise from such changes.

The existing underground utilities shown on the Plans have been determined by as-built records and field surveys, but are not guaranteed to be complete or accurate. The Contractor shall be responsible for contacting the individual utility companies to mark locations, and arranging with them for any relocation work that should be required.

The Contractor shall make excavations and borings ahead of the work where necessary to determine the exact location of underground pipes or other features, which might interfere with construction. The Contractor shall support and protect pipes or other services where they cross the trench and shall be responsible for all damages incidental in interruptions of service that may be caused by Contractor operations. Where a new utility line crosses an existing pipeline or other conduit, the trench backfill shall be well compacted in a manner that provides for the required backfill and compaction standards while protecting the utility in question.

00150.50 Cooperation with Utilities - Add the following subsection:

(f) Utility Information: The following organizations have utilities within the limits of the Project. Utility work is not anticipated beyond the adjustment work shown in the plans. Notify each utility, in writing, 14 Calendar Days before proposed pavement preservation work and coordinate adjustment work as necessary.

Utility	Contact Person's Name and Phone Number
1. Portland General Electric	Chris Quines Chris.quines@pgn.com 503-522-8103
2. Northwest Natural Gas	Ryan Winfree Ryan.Winfree@nwnatural.com 503-610-7765
3. Comcast	Scott Anderson scott_anderson3@comcast.com 503-351-9487
4. Century Link	William Nicolosi William.nicolosi@lumen.com 360-946-2894

- | | |
|---|--|
| 5. Clackamas River Water (CRW) | Joe Sleight
JSleight@crwater.com
503-722-9238 |
| 6. Clackamas County
Water Environmental Services | Nick Degliantoni
ndeglinantoni@clackamas.us
503-742-4632 |

The following organizations 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 (times):

- | Utility | Estimated Completion Date (Time) |
|---|---|
| 1. Clackamas River Water (CRW) - "Water Company"
Joe Sleight, Water Distribution Supervisor
16770 SE 82nd Dr., Clackamas, OR, 97015
JSleight@crwater.com
503-722-9238 | During Construction |

CRW to replace and/or loosen existing water meter/water valve boxes to allow for Contractor adjustment. Valve boxes will be left at existing grade to facilitate access to the valve below, with cold mix asphalt restoration around the loosened boxes.

The Contractor shall notify CRW, in writing, 14 Calendar Days before proposed pavement overlay work. 14 Calendar Days after notice, the Contractor shall allow CRW 7 Calendar Days to perform Work at existing boxes.

The Contractor shall notify CRW, in writing, 14 Calendar Days before proposed storm drainage work. CRW may require an on-site representative at no cost the Contractor for monitoring purposes.

- | | |
|--|---------------------|
| 2. Northwest Natural Gas
Ryan Winfree, West Metro Engineer
220 NW 2 nd Ave, Portland, OR, 97209
Ryan.winfree@nwnatural.com
773-612-9237 | During Construction |
|--|---------------------|

NWN to replace and/or loosen existing water meter/water valve boxes to allow for Contractor adjustment. Valve boxes will be left at existing grade to facilitate access to the valve below, with cold mix asphalt restoration around the loosened boxes.

The Contractor shall notify NWN, in writing, 14 Calendar Days before proposed pavement overlay work. 14 Calendar Days after notice, the Contractor shall allow NWN 7 Calendar Days to perform Work at existing boxes.

3. Water Environmental Services (WES) - "Storm/Sewer Company" During Construction
Nick Degliantoni, Technical Services Specialist
150 Beavercreek Rd. #430, Oregon City, OR, 97045
ndegliantoni@clackamas.us
971-804-1003

WES to provide manhole paving rings to allow for Contractor adjustment.

The Contractor shall notify WES, in writing, 14 Calendar Days before proposed pavement overlay work. 14 Calendar Days after notice, the Contractor shall pick up manhole paving rings from WES and install manhole paving rings during paving operations.

00150.70 Detrimental Operations – Add the following:

Portions of this project will be constructed in close proximity to existing private improvements. All private improvements disturbed by the Contractor's operations shall be repaired or replaced to equal or better condition at the Contractor's expense. The Engineer may withhold from future payments to the Contractor, an amount equal to the costs reasonably estimated by the Engineer to repair or replace, as the case may be, those private improvements disturbed by the Contractor's operations. Engineer shall release the retained amount once Engineer has determined that the Contractor has completed the repair consistent with the requirements of this provision. In addition, prior to construction, the Contractor shall provide to the Engineer video showing private property, which may be disturbed during construction.

END OF SECTION

Section 00160 – Source of Materials

Comply with Section 00160 of the Standard Specifications modified as follows:

00160.20(a) Buy America – Delete this section and replace with the following: Federal highway funds are NOT involved on this Project.

END OF SECTION

Section 00165 – Quality of Materials

Comply with Section 00165 of the Standard Specifications modified as follows:

00165.04 Costs of Testing – Replace this section with the following sentence:

All testing required to be performed by the Contractor will be at the Contractor's expense.

00165.10(a) Field-Tested Materials – Add the following sentence:

The County follows the most current version of the MFTP on its projects:

00165.10(b) Nonfield-Tested Materials - Add the following sentence:

The County follows the most current version of the NTMAG on its projects.

END OF SECTION

Section 00170 – Legal Relations and Responsibilities

Comply with Section 00170 of the Standard Specifications modified as follows:

00170.02 Permits, Licenses, and Taxes – Add the following:

The County has performed advanced outreach with the ODOT District 2B Permits office for the Work and obtained an ODOT Permit, Permit number 2BM48381, for traffic control detour plan. Contractor shall submit notice to work 48 hours prior to the start of work to ODOT.

The Contractor shall obtain and pay for a Clackamas County Road Closure Request for Temporary Road Closures when minor local streets are closed.

Add the following subsection:

00170.67 Fees - The fee required by ORS 279C.825(1) will be paid by the Agency to the Commissioner of the Oregon Bureau of Labor and Industries under the administrative rules of the Commissioner.

00170.70 Insurance - Replace with the following:

00170.70 Insurance - See Clackamas County Public Improvement Contract.

00170.70(d) Additional Insured - Add the following paragraph and bullets to the end of this subsection:

Add the following as Additional Insureds under the Contract:

- Clackamas County and its officers, agents, and employees
- Clackamas County Board of Commissioners
- Conсор North America, Inc.
- Oregon Department of Transportation

00170.72 Indemnity/Hold Harmless – Replace with the following:

00170.72 Indemnity/Hold Harmless – See Clackamas County Public Improvement Contract.

Extend indemnity and hold harmless to the Agency and the following:

- Clackamas County and its officers, agents, and employees
- Clackamas County Board of Commissioners
- Consor North America, Inc.
- Oregon Department of Transportation

00170.79 Third Party Beneficiary – Replace the text of this section with the following:

- Third-party beneficiaries to the Contract include the Oregon Department of Transportation and its officers, agents, and employees.

END OF SECTION

Section 00180 – Prosecution and Progress

Comply with Section 00180 of the Standard Specifications modified as follows:

00180.06 Assignment of Funds Due under the Contract – Replace this subsection, except for the subsection number and title, with the following:

Assignment of funds due or to become due under the Contract to the Contractor will not be permitted unless:

- The Contractor secures the written consent of the Contractor's Surety to the assignment; and
- The Engineer gives prior written consent to the assignment, which will not be unreasonably withheld.

00180.21(a) Subcontracting - Add the following to the end of this subsection:
All contracts with subcontractors or suppliers shall have provisions making the contract assignable to the County, at the option of the County, if the Contractor terminates, goes out of business, declares bankruptcy, or otherwise is unable to perform provided that the County gives the subcontractor notice of assignment within fourteen (14) days of learning of the inability of the Contractor to perform.

The Engineer may revoke consent to subcontract. If the Engineer revokes consent to subcontract, the subcontractor shall be immediately removed from the Project Site.

00180.40 Limitation of Operations - Add the following to subsection (a):

The Contractor must provide, at a minimum, a 48-hour notice to the Clackamas County Project Manager in order to perform any work on Saturdays.

00180.40(b) On-Site Work – Add the following bulleted item:

- Conduct a Traffic Control Meeting per Section 00221.08;
- An approved Subgrade Protection Plan per Section 00610.44;

Add the following paragraph to the end of the subsection:

The Contractor shall not begin On-Site Work before June 17, 2024, unless approved by the Engineer.

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
On-Site Work	00180.40(b)
Contract Completion Time	00180.50(h)
Traffic Lane Restrictions	00220.40(e)
Special Events	00220.40(e)
Noise Control	00290.32
Maintenance Under Traffic	00620.43
Opening Sections to Traffic	00745.51

Be aware of and subject to schedule limitations in the Standard Specifications that are not listed in this Subsection.

00180.41 Project Work Schedules – Add the following:

A Type B schedule as detailed in the Supplemental Specifications is required on this Contract. In addition, a three-week look ahead schedule shall be prepared by the Contractor on a weekly basis and submitted to the Engineer. It shall include all construction activities planned for the following three-week period. The three-week look ahead schedule can be hand-written and shall be in a format agreed upon by the Contractor and the Engineer.

The Contractor shall notify the County 2 weeks before the first substantial work activity commences on the project site. Project Information Signs shall be in place 2 weeks before the first substantial work activity commences on the project site.

00180.42 Preconstruction Conference - Add the following:

Before beginning On-Site Work and before meeting with the Engineer for the preconstruction conference, hold a group utilities scheduling meeting with representatives from the utility companies involved with this project. Incorporate the utilities time needs into the Contractor's schedule submitted prior to the preconstruction conference.

Submit the following during the preconstruction conference unless otherwise directed:

- The names, addresses, and telephone numbers of two or more persons employed by the Contractor who can be reached day or night to handle emergency matters.
- Subcontractor's list including contact list for each subcontractor with phone numbers and addresses and work to be performed.

- List of personnel authorized to sign change orders and receive progress payment warrants.
- Video recording of private properties affected by construction per 00150.70. A representative of each subcontractor shall be required to attend the pre-construction conference.

00180.43 Commencement and Performance of Work - Add the following bullet items:

- Conduct the work at all times in a manner and sequence that will insure minimal interference with traffic. The Contractor shall not begin work that will interfere with work already started. If it is in the County's best interest to do so, the County may require the Contractor to finish a portion or unit of the project on which work is in progress or to finish a construction operation before work is started on an additional portion or unit of the project.
- **The Contractor shall notify the County 2 weeks before the first substantial work activity commences on the project site.**
- **Project Information Signs shall be in place 2 weeks before the first substantial work activity commences on the project site.**
- Conduct the work at all times in a manner and sequence that will insure minimal interference with traffic. The Contractor shall not begin work that will interfere with work already started. If it is in the County's best interest to do so, the County may require the Contractor to finish a portion or unit of the project on which work is in progress or to finish a construction operation before work is started on an additional portion or unit of the project.
- The Contractor will be notified in writing of the specified date to commence work and will not begin work until receipt of this Notice to Proceed. Upon the commencement of grinding, tilling, grading or paving operations on any one respective work site, all necessary work including paving of driveways and road approaches shall be vigorously pursued to reach substantial completion within a 14 calendar day duration. **If at any time a work site is left prior to substantial completion (completed paving of driveways, road approaches, etc.) without written consent from the owner's project manager, this will be considered abandonment by the Contractor.** Failure to meet these time constraints or abandonment shall subject the contractor to the full amount of Liquidated Damages as detailed in Section 00180.50 of these Special Provisions.
- At the time Substantial Completion is reached, the Contractor shall submit a Notice of Substantial Completion.

Add the following subsection:

00180.50(h) Contract Time - Complete all Work to be done under the Contract not later than September 15, 2024.

00180.70 Suspension of Work - Add the following to the first bullet item:

If the Inspector has reason to believe that any safety provisions are not being adhered to, the Inspector will immediately notify the Contractor's site foreman and/or the appropriate person and the County Project Manager. The purpose of this discussion is to determine the validity of the alleged violation. This will also allow the Contractor a reasonable amount of time to correct or improve any of the provisions for the safety on this project. If the County Project Manager finds the problem still unresolved or uncorrected, they will notify the Contractor's Project Manager and the County's Risk Management Safety Analyst. If the County's Risk Management Safety Analyst finds that the job site contains any unresolved safety issues they will take appropriate action up to and including suspension of the Contractor's operations on all or part of the Work.

00180.85(b) Liquidated Damages - Add the following paragraphs:

The liquidated damages for failure to complete the Work on time required by 00180.50(h) will be \$700 per Calendar Day *.

* Calendar Day amounts are applicable when the Contract time is expressed on the Calendar Day or fixed date basis.

Add the following subsections:

00180.85(c) Lane Closures and Road Closures - Lane closures and road closures beyond the limits specified will inconvenience the traveling public and will be a cost to the Agency.

(1) Lane Closures - It is impractical to determine the actual damages the Agency will sustain in the event traffic lanes are closed beyond the limits listed in 00220.40(e). Therefore, the Contractor shall pay to the Agency, not as a penalty, but as liquidated damages, \$500 per 15 minutes, or for a portion of 15 minutes, per lane, for any lane closure beyond the limits listed in 00220.40(e). In addition to the liquidated damages, all added cost for traffic control measures, including flagging, required to maintain the lane closures beyond the allowed time limits, will be at no additional cost to the Agency. The required traffic control measures will be as determined by the Engineer.

The Engineer will determine when it is safe to reopen lanes to traffic. Assessment of liquidated damages will stop when all lanes have been safely reopened. Any liquidated damages assessed under these provisions will be in addition to those listed in 00180.85(b).

00180.85(d) Traffic Delays Beyond 20 Minutes - Stopping or holding vehicles beyond the limits specified will inconvenience the traveling public and will be a cost to the Agency.

It is impractical to determine the actual damages the Agency will sustain in the event traffic is stopped or held longer than the 20-minute limit listed in 00220.02. Therefore, the Contractor shall pay to the Agency, not as a penalty, but as liquidated damages, \$500 per 20 minutes, or for a portion of 20 minutes, for stopping or holding traffic longer than 20 minutes. In addition to the liquidated damages, any added cost for traffic control measures, including flagging, required to stop or hold traffic beyond the 20-minute time

limit, will be at no additional cost to the Agency. The required traffic control measures will be as determined by the Engineer.

Assessment of liquidated damages will stop when the Engineer determines that traffic is no longer stopped or held beyond the 20-minute limit. Any liquidated damages assessed under these provisions will be in addition to those listed in 00180.85(b).

00180.85(e) Installation of Driveways – Not completing driveways in a time specified will be an inconvenience to the property owner and will be a cost to the Agency. It is impractical to determine the actual damages the Agency will sustain in the event a driveway connection isn't constructed in 30 calendar days after mainline paving was completed in front of a driveway. Therefore, the Contractor shall pay to the Agency, not as a penalty, but as liquidated damages, \$500 per each calendar day or for a portion of a calendar day, for not constructing a driveway connection beyond 30 calendar days of when mainline was completed in front of the driveway.

END OF SECTION

Section 00190 – Measurement of Pay Quantities

Comply with Section 00190 of the Standard Specifications modified as follows:

00190.20(a) Contractor to Provide Vehicle Weigh Scales: Delete and replace the last paragraph in this section with the following:

Unless otherwise provided in the Contract, Pay Items to be measured by weight shall include all Contractor costs for providing, maintaining, inspecting, and testing scales; for furnishing appropriate weigh tickets; for self-printing scales; for electronic weigh memo system(s); and for transporting Materials to the scales or to check weighing.

00190.20(f)(1) Scale with Automatic Printer: Delete and replace the first sentence in this section with the following:

If the scales have an automatic weigh memo printer or an approved electronic weigh memo system that does not require manual entry of gross weight information, the Agency may periodically have a representative at the scales to observe the weighing procedures.

00190.20(f)(1) Scale with Automatic Printer: Delete and replace the last bullet in this section with the following:

- Furnish a legible, serially numbered weigh memo for each load of Materials to the
- Agency's Materials receiver at the point of delivery, or as directed by the Engineer. The memo shall identify the Project, the Materials, the date, net weight (gross and tare as appropriate), and identification of the vehicle and weigh technician. If approved by the Engineer an electronic weigh memo system may be used. Requests to use an electronic weigh memo system shall be submitted to the Engineer according to 00150.37, providing sufficient detail for the Engineer to perform an evaluation. If approved, the Contractor shall provide training, technical

support, reports, and weigh memo information to the Engineer at no additional cost to the Agency. The electronic weigh memo system shall be:

- Capable of recording and securely retaining the same required “weigh memo” information identified above. For retention see 00170.07(c).
- Fully integrated with the provided weigh scale system.
- Designed in such a way that the data electronically read from scales cannot be altered by the Contractor, Subcontractor, Supplier, Engineer, or other system users.
- Designed to allow the Engineer remote access to all the weigh memo data in real-time and allow the Engineer to add comments to the individual weigh memo regarding waste, temperature, stations, yield or other information. The system shall identify the system user or individual that adds comments to the electronic weigh memo or otherwise access the system. The Contractor shall provide the Engineer a means to access the data if the Engineer cannot use an Agency provided hand held device for access.
- Capable of providing all the weigh memo information, including any added comments, in an electronic data file the Engineer can easily access without proprietary software.

00190.20(g) Agency-Provided Weigh Technician: Replace subsection (g) with the following:

The Contractor must provide a weigh technician. The Agency will not provide one for the Contractor.

00190.30 Plant Scales: Add the following sentence after the bulleted list:

If approved by the Engineer an electronic weigh memo system may be used in place of a printer system. See 00190.20(f)(3).

END OF SECTION

Section 00195 – Payment

Comply with Section 00195 of the Standard Specifications modified as follows:

00195.10 Payment for Changes in Material Costs - Delete and replace with the following:

No asphalt cement cost adjustment shall be used on this project.

00195.12 Steel Material Price Escalation/De-Escalation Clause – Add the following sentence:

No steel material price escalation/de-escalations shall be used on this project. There is no option for Contractor participation.

00195.20(b) Significant Changed Work - Replace the paragraph that begins “Any such adjustments...” with the following paragraph:

Any adjustments may be less than, but will not be more than the amount justified by the Engineer on the basis of the established procedures set out in Section 00197 for determining rates. This does not limit the application of Section 00199.

Significant is defined as:

- a) An increase or decrease of more than 25 percent of the total cost of the Work calculated from the original proposal quantities and the unit contract prices; or,
- b) An increase or decrease of more than 25 percent in the quantity of any one major contract item.

For condition b) above, a major item is defined as any item that amounts to 10 percent or more of the original total contract price.

00195.50 Progress Payments and Retained Amounts - Modify as follows:

00195.50(a) Progress Payments - Modify as follows:

(1) Progress Estimates - Replace the first sentence with the following:

At a regular period each month to be determined at the Preconstruction Conference, the Contractor will make an estimate of the amount and value of pay item work completed and in place. This estimate will be submitted to the Project Manager for review and approval.

(2) Value of Material on Hand - Replace with the following:

(2) Value of Material on Hand - The Contractor will make an estimate of the amount and value of acceptable material to be incorporated in the completed work which has been delivered and stored as given in 00195.60(a) for review and approval.

(4) Limitations on Value of Work Accomplished - In the first sentence, change "Engineer's estimate" to "Contractor's reviewed estimate".

00195.50 (b) Retainage - Replace the first paragraph with the following:

The amount to be retained from progress payments will be 5.0% of the value of payments made, and will be retained in one of the forms specified in Subsection (c) below. The County will withhold Retainage from all force account and change order work.

00195.50(c) Forms of Retainage – Replace the first paragraph with the following:

Forms of acceptable retainage are set forth below in Subsections (1) through (3). "Cash, Alternate A" or "Cash, Alternate B" (Retainage Surety Bond) are the Agency-preferred forms of retainage. Unless the Contractor notifies the County otherwise in writing, the County will automatically hold retainage per paragraph (2) "Cash, Alternate B (No Interest Earned)". If the Agency incurs additional costs as a result of the Contractor's election to use "Bonds and Securities", the Agency may recover such costs from the Contractor by a reduction of the final payment.

Replace paragraph (2) with the following:

(2) Cash, Alternate B (No Interest Earned) – Retainage will be deducted from progress payments and held by the Agency until final payment is made in accordance with 00195.90, unless otherwise specified in the Contract.

00195.50(d) Release of Retainage – Replace with the following:

(d) Release of Retainage - As the Work progresses, release of the amounts to be retained under (b) of this Subsection will only be considered for Pay Items that have been satisfactorily completed. For purposes of this Subsection, a Pay Item will be considered satisfactorily completed only if all of the Work for the Pay Item is complete and all contractual requirements pertaining to the Pay Item and Work have been satisfied. Work not included in a Pay Item, or which constitutes part of an uncompleted Pay Item, will not be regarded as satisfactorily completed Work for the purposes of this Subsection.

When the Work is 50% completed and upon written application of the Contractor and written approval of the Surety, the Engineer or Project Manager may reduce or eliminate retainage on remaining progress payments if the Work is progressing satisfactorily.

A determination of satisfactory completion of Pay Items or Work or release of retainage shall not be construed as acceptance or approval of the Work and shall not relieve the Contractor of responsibility for defective Materials or workmanship or for latent defects and warranty obligations.

END OF SECTION

Section 00196 – Payment for Extra Work

Comply with Section 00196 of the Standard Specifications modified as follows:

00196.91 Extra Work Allowance – Add the following section:

The Bid schedule of prices contains a bid item for a pre-determined amount of Engineer ordered extra work. All Bidders shall reflect this same amount in their total Bid. No Bidder shall presume in the preparation of the bid or in the course of contract work that there will be a certain payment under that item or a certain order for extra work.

END OF SECTION

Section 00197 – Payment for Force Account Work

Comply with Section 00197 of the Standard Specifications modified as follows.

00197.20(a) General - Replace the paragraph that begins "Except as modified by these..." with the following paragraph:

Except as modified by these provisions, Equipment use approved by the Engineer will be

paid at the rental rates given in the most current edition of the EquipmentWatch Cost Recovery (Blue Book) published by EquipmentWatch, a division of Penton Business Media, Inc., and available from EquipmentWatch (phone 1-800-669-3282) (<http://equipmentwatch.com>).

END OF SECTION

Section 00199 – Disagreements, Protests and Claims

Comply with Section 00199 of the Standard Specifications supplemented and/or modified as follows:

00199.40 Claim Decision; Review; Exhaustion of Administrative Remedies - Replace the entire section with the following:

The Contractor must properly submit a claim as detailed in 00199.30.

(a) Engineer Claim Review - The Engineer or Project Manager will, as soon as practicable, consider and investigate a Contractor's properly submitted claim for additional compensation, Contract Time, or for a combination of additional compensation and Contract Time. Once the Engineer or Project Manager determines the Agency is in receipt of a properly submitted claim, the Engineer or Project Manager will arrange a meeting, within 28 Calendar Days, or as otherwise agreed by the parties, with the Contractor in order to present the claim for formal review and discussion. A person authorized by the Contractor to execute Change Orders on behalf of the Contractor must be present and attend all claim meetings.

If the Engineer or Project Manager determines that the Contractor must furnish additional information, records, or documentation to allow proper evaluation of the claim, the Engineer will schedule a second meeting, to be held within 14 calendar days, or as otherwise agreed by the parties, at which the Contractor shall present the requested information, records and documentation.

The Engineer or Project Manager will advise the Contractor of the decision to accept or reject the claim. If the Engineer or Project Manager finds the claim has merit, an equitable adjustment will be offered. If the Engineer or Project Manager finds the claim has no merit, no offer of adjustment will be made and the claim will be denied. The County intends to resolve claims at the lowest possible level.

If, at any step in the claim decision or review process, the Contractor fails to promptly submit requested information or documentation that the Agency deems necessary to analyze the claim, the Contractor is deemed to have waived its right to further review, and the claim will not be considered properly filed and preserved.

If the Engineer or Project Manager has denied a claim, in full or in part, for Contract Time only according to 00180.80, or has denied a claim, in full or in part, for correction of final compensation according to 00195.95, those disputed claims may then be resolved, in full or in part, at either of the two progressive steps of claim review procedure as specified in

this Subsection. For all claims, all of the actions and review under each step of the review process shall occur before the review can be advanced to the next higher step.

(b) Director Claim Review - Upon request by the Contractor, the Department Director will review the Engineer or Project Manager's decision on the claim and advise the Contractor of the decision in writing. If the Director finds the claim has merit, and equitable adjustment will be offered. If the Director finds the claim has no merit, no offer of adjustment will be made and the claim will be denied.

Once the Engineer determines the Agency is in receipt of a properly submitted claim, the Engineer will arrange a meeting, within 21 Calendar Days or as otherwise agreed by the parties, with the Contractor in order to present the claim for formal review and discussion.

If the Engineer determines that the Contractor must furnish additional information, records or documentation to allow proper evaluation of the claim, the Engineer will schedule a second meeting, to be held within 14 Calendar Days or as otherwise agreed by the parties, at which the Contractor shall present the requested information, records and documentation.

The Director shall evaluate the claim based on the information provided by the Contractor to the Engineer or Project Manager. However, if the Department Director (or designee) determines that the Contractor must furnish additional information, records or documentation to allow proper evaluation of the claim, the Department Director (or designee) will schedule a meeting, to be held within 14 Calendar Days, or as otherwise agreed by the parties, at which the Contractor shall present the requested information, records and documentation.

The claim is subject to records review, if not all of the records requested by the Department Director (or designee) were furnished. If applicable, advancement of the claim is subject to the provisions regarding waiver and dismissal of the claim or portions of the claim.

The decision of the Department Director shall be the final decision of the Agency.

(c) Commencement of Litigation - If the Contractor does not accept the Director's decision, then the Contractor shall commence any suit or action to collect or enforce any claim filed in accordance with 00199.30 within a period of one (1) year following the mailing of the decision or within one (1) year following the date of "Second Notification", whichever is later. If said suit or action is not commenced in said one (1) year period, the Contractor expressly waives any **and** all claims for additional compensation and any and all causes of suit or action for the enforcement thereof that he might have had.

The Contractor must follow each step in order, and exhaust all available administrative remedies before resorting to litigation. Litigation of a claim that cannot be resolved through the process described above shall be initiated by filing a complaint in the Clackamas County Circuit Court for the State of Oregon.

In any litigation, the entire text of any order or permit issued by the County or any other governmental or regulatory authority, as well as any documents referenced or incorporated therein by reference, shall be admissible for purposes of Contract interpretation.

The Contract shall not be construed against either party regardless of which party drafted it. Other than as modified by the Contract, the applicable rules of contract construction and evidence shall apply. This Contract shall be governed by and construed according to the laws of the State of Oregon without regard to principles of conflict of laws.

The Contractor shall comply with 00170.00.

00199.50 Mediation - Delete the entire section.

00199.60 Review of Determination Regarding Records - Delete the entire section.

END OF SECTION

SECTION 00210 - MOBILIZATION

Comply with Section 00210 of the Standard Specifications.

END OF SECTION

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 paving operations create an abrupt edge, protect traffic by installing a "DO NOT PASS" (R4-1) sign before the Work Area at sign spacing "A" from the TCD Spacing Table" shown on the Standard Drawings. Alternate "ABRUPT EDGE" (CW21-7) signs with appropriate (CW21-8) rider at 500 foot spacings. Install a "BUMP" (W8-1) sign 100 feet prior to the transverse paving edge.
- Maintain and coordinate access to all affected properties. Allow unrestricted vehicle and pedestrian access to all properties outside the allowable working hours.
- Open all lanes and adjacent asphalt surfaces (including shoulders and bike lanes) on all streets outside of allowable working or lane restriction hours with temporary or permanent pavement surfacing.
- Provide and maintain access to garbage containers and garbage pick-up, mail and other regularly scheduled deliveries. Coordinate with school districts and with public transit to minimize impacts and delays for any school and public bus routes. Coordinate Work with delivery schedules for business located on SE Overland Road.

- Notify all emergency services of all changes to the traffic control prior to completing the change. Notify the Police and Fire of all lane closures.
- The maximum closure time for any single curb ramp shall be one week. Submit temporary traffic control plan and pedestrian access route plan. Plan shall include but is not limited to Work area protection, sidewalk diversions and/or detours.
- Do not stop or hold pedestrians on the sidewalk or temporary pedestrian route for more than 5 minutes.
- Delineate all business accesses with blue tubular markers on 10-foot maximum spacing. Mark the access with 36-by-24-inch "BUSINESS ACCESS" (CG20-11) signs. Locate and install these signs as directed.

00220.02(b) Temporary Pedestrian Accessible Route Plan - Add the following bullet to the end of the bullet list:

- Where existing sidewalks are not present, provide a pedestrian accessible route on existing paved roadway surfaces through or around the work zone.

Add the following subsection:

00220.03(c) Work Zone Notifications - The County will provide an electronic door-hanger template for the Contractor to add schedule information. The Contractor shall provide and deliver door-hanger notifications to properties surrounding the street to be paved. The County will provide a map showing the specific properties where door hangers are to be hung. Door-hangers shall be marked with the dates and times that the street and/or its traffic would be significantly affected. Door-hangers shall be delivered 72 hours before traffic would be significantly impacted on that street. In the event of a significant schedule change, door-hangers shall be redelivered with the revised work dates/times 24 hours before significant street impacts. Work may be suspended if timely notification has not been provided.

00220.40(e)(1) Closed Lanes - Replace this subsection, except for the subsection number and title, with the following:

Traffic Lanes may be closed on SE Overland Street when allowed, shown, or directed during the following periods of time except as specified in 00220.40(e)(2):

Single Lane Closures – One Traffic Lane may be closed during the following times:

- Daily, Monday through Friday, between 7:00 a.m. and 6:00 p.m.
- Eastbound traffic on SE Overland Street may be closed to through traffic while curb ramp and pavement Work is in progress on SE Overland Street east of SE 80th Avenue, as long as a detour plan has been approved by the Engineer and fully implemented. Maintain one lane of traffic into the project work zone on SE Overland Street from OR213/SE 82nd Avenue at all times.
- Lane closure between 81st and 82nd will be limited between 9:00 a.m. and 3:00 p.m.

Add the following subsection:

00220.40(f) Limited Duration Road Closure - The Contractor will be permitted to close SE Overland Street from SE Bell Avenue to SE 80th Avenue for periods not to exceed 5 days in duration for each street during pavement rehabilitation Work, as long as a road closure plan and detour plan has been approved by the Engineer and fully implemented. Local access shall be maintained.

00220.60(a)(1) Contractor Responsibility - Add the following bulleted items to the end of this subsection:

- Keep surfaces being used by bicycles and pedestrians free of all dirt, mud, gravel and other harmful materials. Surfaces include bike paths, bike lanes, roadway shoulders or the outside 4 feet of the roadway.
- Vacuum sweep loose aggregate, soil and other materials on the roadway out of the travel ways at the end of each day. Swept materials shall be removed by broom, or other means to prevent pollution of the storm sewer system or receiving streams.

END OF SECTION

SECTION 00221 - COMMON PROVISIONS FOR WORK ZONE TRAFFIC CONTROL

Comply with Section 00221 of the Standard Specifications modified as follows:

00221.03 Traffic Safety and Operations - Replace the bullet that begins "When paving operations create..." with the following bullet:

- When paving operations create an abrupt or sloped edge drop off greater than 1 inch, protect traffic by installing signing according to the "2 Lane, 2 Way Roadway Overlay Area" detail shown on the Standard Drawings. Protect longitudinal and transverse Pavement joints by placing and maintaining an asphalt concrete wedge according to 00221.07(c)(1).
- All work zones exceeding 500 feet in length shall require the use of a pilot car. During pilot car operations, install a 15-inch by 24-inch "WAIT FOR PILOT CAR: (CR4-20) sign at each driveway approach and intersecting side street within the limits of the pilot car operation.

00221.06 Traffic Control Plan – Replace the first paragraph with the following:

The Contractor is required to submit a site-specific temporary traffic control plan and temporary pedestrian access route plan prepared by a TCP company, with additional detail meeting the project requirements for review 5 Calendar Days before the preconstruction conference.

00221.07(c)(1) Paving - Replace this subsection, except subsection number and title, with the following:

When the longitudinal joint is greater than 1 inch in height, install additional TCD according to 00221.03. Complete the placing of ACP and construction of paving joints according to 00745.47, and 00745.48, as applicable.

Replace the bullet that begins "When the Schedule of Items does not include ..." with the following bullet:

- Preparing and signing the daily "Traffic Control Inspection Report", when a TCS is not included in the Schedule of Items or when a TCS is not onsite for a work shift.

00221.08 Traffic Control Meeting - All personnel who will directly supervise the traffic control must attend a traffic control meeting. Contractor to produce and distribute meeting minutes within seven (7) days following the meeting.

00225.90(b) Method "B" – Lump Sum Basis – Replace this subsection except for the heading and title with the following:

Work zone traffic control will be paid for at the Contract lump sum amounts for the items "Temporary Work Zone Traffic Control, Complete for ____" where the name of the street(s) or location will be inserted in the blank.

When the schedule of items includes both "Temporary Work Zone Traffic Control, Complete: _____" and other unit based pay items described in Method "A", only the pay items included in the bid item schedule will be paid. All TCD and operations required to safely protect and direct traffic and pedestrians around and through the work zone(s) not listed in the bid item schedule shall be included in the lump sum price for "Temporary Work Zone Traffic Control, Complete: _____."

Payment includes all temporary traffic control and temporary pedestrian access route costs including flagging (to the extent deemed necessary by the Engineer) during the course of construction and as needed to complete punch list items. Payment also includes the removal of existing striping and legends shown to be replaced.

END OF SECTION

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:

- Place a "PEDESTRIANS ON ROADWAY" (CW11-2) sign at the beginning of each end of the Work Area, facing incoming traffic as shown, or as directed.
- Install a "PAVING SIGN" on a single wood post. Install a "PROJECT NOTIFICATION SIGN" on a single wood post. Place these Project Information Signs according to sign

spacing "A" from the "TCD Spacing Table" shown on the Standard Drawings or as modified by the Supplemental Drawings, in advance of the "ROAD WORK AHEAD" sign at each end of the Project, facing incoming traffic. See project plans for sign size and legend.

- Install an 18 by 24-inch "NO PARKING" (R8-3a) sign in every block where on-street parking is prohibited, facing incoming traffic.
- When paving operations create an abrupt or sloped edge drop off greater than 1 inch, protect traffic by installing signing according to the "2 Lane, 2 Way Roadway Overlay Area Signing" detail shown on the Standard Drawings.
- All work zones exceeding 500 feet in length shall require the use of a pilot car. During pilot car operations, install a 15-inch by 24-inch "WAIT FOR PILOT CAR: (CR4-20) sign at each driveway approach and intersecting side street within the limits of the pilot car operation.
- In addition to the signs, public notification (e.g. flyers, door hangers) may be used to inform the residents that may be affected by the pilot car operations and the "WAIT FOR PILOT CAR" signs.

00222.90 Payment - Add the following pay items:

(e) Temporary Project Information Signs..... Square Feet

Add the following after the sentence that begins "In item (d)";

Item (e) includes installing and removing temporary project information signs shown in the plans.

END OF SECTION

SECTION 00223 - WORK ZONE TRAFFIC CONTROL LABOR AND VEHICLES

Comply with Section 00223 of the Standard Specifications.

END OF SECTION

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.

END OF SECTION

SECTION 00225 - TEMPORARY PAVEMENT MARKINGS

Comply with Section 00225 of the Standard Specifications modified as follows:

00225.40 Temporary Pavement Markers - Replace the paragraph that begins "Unless otherwise shown..." and the three bullets with the following paragraphs and bullets:

Install temporary flexible overlay pavement markers for temporary centerline marking as follows:

- Place and maintain one temporary flexible overlay pavement marker on 40 foot spacing in tangent and curve sections except as below.
- Place and maintain one temporary flexible overlay pavement marker on 20 foot spacing in curved alignment sections identified by a speed rider displaying less than the posted speed and channelization areas.

Establish alignment for placing the temporary flexible overlay pavement markers as follows:

- Control markers at:
 - 200 foot intervals on tangents
 - 50 foot intervals on curves
 - 40 foot intervals on curves with speed rider
- Use string line or other appropriate means to maintain proper alignment of the markers. Adjust placement to avoid straddling a longitudinal joint, while maintaining a suitable alignment of markers.
- Remove and replace misaligned markers at no additional cost to the Agency.

END OF SECTION

SECTION 00228 - TEMPORARY PEDESTRIAN AND BICYCLIST ROUTING

Comply with Section 00228 of the Standard Specifications modified as follows:

00228.00 Scope - Replace this subsection, except subsection number and title, with the following:

In addition to the requirements of Section 00221, this Work consists of furnishing, installing, operating, maintaining, inspecting, and removing temporary devices for accommodating pedestrians and bicyclists through a work zone.

00228.13 Temporary Curb Ramps - Add the following sentence to the end of this subsection:

Furnish truncated dome detectable warning surface for temporary curb ramps from the QPL according to 00759.12.

00228.43 Temporary Curb Ramps - Add the following paragraph to the end of this subsection:

Install a minimum 2 foot wide truncated dome detectable warning surface on temporary curb ramps at pedestrian street crossings. Omit truncated dome detectable warning surfaces on temporary curb ramps that are not at a pedestrian street crossing.

00228.80 Measurement – Replace this subsection, except subsection number and title, with the following:

No measurement of quantities will be made for temporary pedestrian and bicyclist routing.

00228.90 Payment - Add the following paragraph after the paragraph that begins “In item (c), the type...”:

Item (c) includes furnishing and installing truncated dome detectable warning surfaces.

Add the following subsection:

00228.91 Payment, Lump Sum or Incidental Basis – When the Contract Schedule of Items does not indicate payment for Work performed under this Section, no separate or additional payment will be made. Payment will be included in payment according to 00221.98 or 00221.99.

END OF SECTION

SECTION 00280 - EROSION AND SEDIMENT CONTROL

Comply with Section 00280 of the Standard Specifications modified as follows:

00280.00 Scope - Add the following paragraph to the end of this subsection:

The Agency's NPDES 1200-CA Permit is applicable to the Project.

00280.03 Standards - Replace this subsection, except for the subsection number and title, with the following:

When designing, applying, installing, maintaining, inspecting, and removing erosion and sediment control devices, use the version in effect on the date the Project is advertised, of the Clackamas Water Environment Services *Erosion Prevention and Sediment Control Planning and Design Manual*.

00280.06 Erosion and Sediment Control Manager - Delete this subsection.

00280.42(c) Permanent Stabilization – Add the following to the end of this section:

All vegetated areas disturbed by the Contractor’s operations shall be permanently restored with like materials to existing or better conditions per Section 01030.

00280.62 Inspection and Monitoring - Replace this subsection, except for the subsection number and title, with the following:

Inspect the Project Site and all ESC devices for potential erosion or sediment movement on a weekly basis and when 1/2 inch or more of rainfall occurs within a 24-hour period, including weekends and holidays.

If a significant noncompliance or serious water quality issue occurs that could endanger health or the environment, verbally report it to the Engineer within 24 hours.

00280.80 Measurement - Add the following paragraph to the end of this subsection:

(e) Incidental – No measurement will be made and all Work shall be considered incidental to the Work. When unit based bid items are included in the bid item schedule, only those items listed will be measured and all other Work required to comply with this section and applicable permits shall be considered incidental.

00280.90 Payment - Replace this section 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	Measurement
(a) Erosion Control Plan.....	Lump Sum

Item (a) includes:

- furnishing, installing, maintaining and removing all erosion and sediment control measures, materials, devices, stabilization and all equipment, labor, materials and incidentals necessary to complete the Work
- developing, revising, and documenting the ESCP
- mobilization

- monitoring activities to maintain effective functioning
- 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

Only items listed in the bid schedule will be measured separately. All other work required to comply with this section and applicable permits will be considered incidental to the work and no additional payment will be made.

END OF SECTION

SECTION 00290 - ENVIRONMENTAL PROTECTION

Comply with Section 00290 of the Standard Specifications modified as follows:

00290.32 Noise Control - Replace the first bullet paragraph with the following:

- Do not perform construction within 1,000 feet of an occupied dwelling between the hours of 10:00 pm and 7:00 am, Monday through Friday, without the approval of the Engineer. No work is allowed on the weekend without the approval of the Engineer.
- Delete the paragraph that begins “A Pollution Control Plan...”.

END OF SECTION

SECTION 00305 - CONSTRUCTION SURVEY WORK

Comply with Section 00290 of the Standard Specifications modified as follows:

00305.00 Scope – Replace this subsection, except for the subsection number and title, with the following:

Survey staking will be required for curb ramp construction and storm drainage construction. The Contractor shall develop and make all detail surveys necessary for layout and construction. Complete all survey staking as needed using information contained in the Contract Plans and adjusted as necessary to meet ADA requirements and storm drainage design clearance requirements. Additional information or clarification by the Engineer may be available upon request, but is not guaranteed. Surveyed field layout shall be reviewed by the Engineer prior to demolition and again prior to concrete placement, or storm drainage construction.

Provide construction survey work according to the current edition on the date of Advertisement, of the ODOT "Construction Surveying Manual for Contractors" as needed to complete the work. This manual is available on the web at:

https://www.oregon.gov/ODOT/ETA/Documents_Geometronics/Construction-Survey-Manual-Contractors.pdf

At a minimum the Contractor shall include the following stakes:

- One stake at all ramp centerlines,
- Staking as required to construct all other ramp improvements as shown,
- Staking as required to construct storm drainage improvements

The Agency will **not** establish control stations, perform measurements and calculations for pay quantities, or perform final "as constructed" measurements, contrary to Section 1.5 of the above referenced manual. The Contractor's surveyor will be responsible to complete this work.

Make all supporting computations and field notes required for control of the work and as necessary to establish the exact position, orientation, and elevation of the work from control stations, including furnishing and setting construction stakes and marks, reference marks, and additional control stations.

The Engineer will not be responsible for any data translations. An electronic copy of the base drawing, in Autocad's DWG format may be delivered to the Contractor's surveyor. The electronic drawings shall be used by the Contractor's surveyor as a reference, and it shall be the responsibility of the Contractor to confirm that all data contained within the electronic drawings is consistent with the contract documents.

00305.05 3D Engineered Models – Delete this subsection.

END OF SECTION

SECTION 00310 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

Comply with Section 00310 of the Standard Specifications modified as follows:

00310.01 Areas of Work - Replace this subsection with the following:

Perform removal Work as shown on the plans or as directed by the Engineer.

00310.45 Removal of Existing Surfaces – Add the following subsection:

Remove sidewalk and surfacings as shown on the Plans. Sidewalk and surfacings to be removed shall be cut in neat, straight lines with vertical edges along the limits of removal. The cut lines for removal of asphaltic or cement concrete pavement shall be reviewed and approved by the Engineer in the field before cutting. Demolish and remove concrete curbs, islands and other surfacings as directed by the Engineer or as shown. Make a vertical saw cut between any existing curb that is to remain and portion that is to be removed. Remove

roadway pavement and aggregate base in the street adjacent to curbs and edge of pavement as shown on the Plan or as directed by the Engineer. Remove paved and hardscape areas adjacent to the back of walk as shown on the Plan or as directed by the Engineer.

00310.92 Separate Item Basis – Supplement this subsection with the following

Replace the paragraph that begins “Item (d) includes” with the following:

00310.92 Separate Item Basis – Replace the sentence that begins “Item (d) includes...” with the following:

Item (d) includes but is not limited to saw cutting, removal of existing asphalt concrete pavement, curbs, curb ramps, sidewalks, aggregate base material, hardscaping, softscaping, and other surfacings to the limits and grades necessary to construct surfacings indicated in the plans. Backfill for voids left by surfacing removal work will be considered incidental to this bid item. No separate or additional payment will be made for removal of other features inside the removal of surfacings limits as this work is considered incidental. Areas identified for cold planning operations (grinding) will be measured and paid for under Section 00620.

Supplement the paragraph that begins “Item (g) includes” with the following:

Saw cutting completed as necessary to phase the work within the pavement rehabilitation limits shown on the plans shall be considered incidental and will not be paid separately.

END SECTION

SECTION 00320 - CLEARING AND GRUBBING

Comply with Section 00320 of the Standard Specifications.

END SECTION

SECTION 00330 - EARTHWORK

Comply with Section 00330 of the Standard Specifications.

END SECTION

SECTION 00331 - SUBGRADE STABILIZATION

Comply with Section 00331 of the Standard Specifications.

END SECTION

SECTION 00340 - WATERING

Comply with Section 00340 of the Standard Specifications.

END SECTION

SECTION 00405 - TRENCH EXCAVATION, BEDDING, AND BACKFILL

Comply with Section 00405 of the Standard Specifications modified as follows:

00405.12 Bedding - Replace the bullet that begins "3/8" - 0 PCC Fine Aggregate..." with the following bullet:

- 3/8" - 0 PCC fine Aggregate conforming to 02690.30(g).

00405.14 Trench Backfill - Add the following:

For all trenches within the right-of-way use Class B 3/4" - 0 crushed Aggregate backfill or Class E Backfill. For trenches outside of the right-of-way use Class B 3/4" - 0 crushed Aggregate backfill or Class E Backfill, except when not under structures the top 2 feet may be Class A Backfill.

00405.46(c)(2) Class A, B, C, or D Backfill - Replace the paragraph that begins "Compact the top 3 feet..." with the following paragraph:

Compact each layer of trench backfill material within the Roadway and Shoulders, and within a 2V:1H Slope line projected from each Subgrade Shoulder, to not less than 95 percent of maximum density. Compact all other trench backfill material to not less than 90 percent of maximum density.

END SECTION

SECTION 00440 - COMMERCIAL GRADE CONCRETE

Comply with Section 00440 of the Standard Specifications modified as follows:

Add the following subsection:

00440.01 Terminology - According to 00110.05(a), for the purposes of this Contract, the terms "sidewalk ramp" and "sidewalk ramps" shall respectively refer to and shall be read to

mean "curb ramp" and "curb ramps".

Add the following subsection:

00440.02 Abbreviations and Definitions:

ASTV – Actual Strength Test Value – See 02001.02 for definition.

00440.12 Properties of Commercial Grade Concrete - Replace the bullet that begins "Compressive strength..." with the following bullet:

- Compressive Strength - ASTV minimum of 3,000 psi at 28 days

00440.14(d) Hardened CGC - Add the following to the end of this subsection:

The ASTV at 28 Days is the average compressive strength of the three cylinders tested. Discard all specimens that show definite evidence, other than low strength, of improper sampling, molding, handling, curing, or testing. The average strength of the remaining cylinders shall then be considered the test result.

END SECTION

SECTION 00442 - CONTROLLED LOW STRENGTH MATERIALS

Comply with Section 00442 of the Standard Specifications.

END SECTION

SECTION 00445 - SANITARY, STORM, CULVERT, SIPHON, AND IRRIGATION PIPE

Comply with Section 00445 of the Standard Specifications.

END SECTION

SECTION 00470 - MANHOLES, CATCH BASINS, AND INLETS

Comply with Section 00470 of the Standard Specifications modified as follows:

00470.90 Payment - Add the following:

Add the following pay items to the pay item list:

Pay Item	Unit of Measurement
(I) Snout and Oil Debris Stop.....	Each

Add the following paragraphs:

Payment for items within this section shall include the supply and installation of all ancillary fittings as shown, for the Snout & Oil Debris Stops and sumps.

Add the following bullet to the bullet list:

- Restoring the surrounding roadway pavement section beyond what is paid for under 00640 and 00744.

END SECTION

SECTION 00480 - DRAINAGE CURBS

Comply with Section 00480 of the Standard Specifications, modified as follows:

00480.90 Payment – Add the following to the end of this subsection:

Install drainage curbs as shown or as directed by the Inspector to assist in conveying surface drainage. No separate or additional payment will be made for removal of existing asphalt drainage curbs, as required.

END SECTION

SECTION 00490 - WORK ON EXISTING SEWERS AND STRUCTURES

Comply with Section 00490 of the Standard Specifications modified as follows:

00490.01 Descriptive Terms – Supplement the definition of adjust with the following:

Adjusting structures (manhole rims, valves, boxes, and catch basins) shall also include hand removal of existing asphalt pavement around the structure as required to overlay or inlay the proposed pavement section. Adjusting inlets shall also include additional work associated with maintaining or revising the finish grade surrounding the catch basins to maintain or provide positive drainage.

00490.48 Adjusting Boxes, Cleanout Lids and Similar Structures – Add the following to the end of this subsection:

A pre-construction monument survey was performed by the Engineer's surveyor prior to construction. Multiple survey monuments may be present throughout the project areas, located outside monument boxes. The Contractor shall protect all monuments from damage to the maximum extent feasible and install new boxes, where shown in the Plans. Including installing new monument boxes over existing monument pins located within the roadway that do not have an existing box. The Contractor shall be responsible for installing monument

boxes at the exact horizontal location of any monument that has been disturbed. The Engineer's surveyor will reset the vertical location of monuments that are disturbed after construction. Coordination with the Engineer's surveyor and protection of existing monuments shall be incidental to other work under this project.

The Contractor may encounter cases where a utility facility (such as a valve box) has been adjusted by the utility owner and cold mix has been placed around the facility. The Contractor shall remove and dispose of this cold mix, replace it with asphalt concrete pavement, and hand-compact it in advance of the pavement Work. This Work is considered incidental to the box adjustment item on the bid schedule.

Water and gas valve access lids shall only be adjusted by raising the top section of the existing valve can.

00490.80 Measurement – Add the following to this subsection:

No measurement shall be made for adjusting structures or boxes owned by utility providers. All work associated with installing grade adjustment rings provided by others or raising boxes to finish grade during paving operations which are not owned by Clackamas County will be considered incidental to other bid items including coordination with utility owners.

00490.90 Payment: Add the following:

Add the following pay items to the pay item list:

Pay Item	Unit of Measurement
(j) Install Cast Iron Monument Boxes.....	Each

Add the following to the end of this subsection:

Item (i) includes furnishing installing a new monument box over an existing monument to complete the work as approved by the Engineer. Coordination with the Engineer's surveyor and protection of existing monuments shall be incidental to other bid items and will not be paid separately under this bid item.

END SECTION

SECTION 00495 - TRENCH RESURFACING

Comply with Section 00495 of the Standard Specifications.

END SECTION

SECTION 00610 - RECONDITIONING EXISTING ROADWAY

Comply with Section 00610 of the Standard Specifications modified as follows:

Add the following section:

00610.44 Protect Existing Subgrade – The Contractor shall protect the existing roadway base and subgrade from damage following cold plane pavement removal. Protection will include limiting all construction activities that could damage either exposed or aggregate base covered subgrade such as continued loading with construction equipment as part of haul routes for other work, continued loading during periods with inclement weather or as part of hauling operations that could compromise subgrade soils and all other activities within control of the Contractor. The Contractor shall protect subgrades from excessive moisture after pavement removal. Preventative measures shall be utilized to protect the subgrade during forecasted precipitation. Any damage to the subgrade as a result of the Contractors negligence shall be repaired at the Contractors expense.

The Contractor shall prepare and submit a subgrade protection plan that identifies the Contractors intended means and methods of removing existing surfaces, constructing new base or subgrade surfaces as prescribed in the Contract Documents, and protecting the existing subgrade from potential damage by the Contractors operations or outside factors such as weather. The Contractor shall be responsible to phase all work that places construction loads directly on the existing subgrade and select equipment sizes and classes in an effort to minimize potential overloading of the existing subgrade. If the Contractor's plan includes running haul equipment on exposed subgrades or aggregate covered subgrades, the haul equipment shall be limited to half of the maximum legal load.

00610.80 Measurement – Replace this subsection, except for the number and title, with the following:

The quantities of finishing roadbeds will be measured on the area basis, computed by multiplying the length of the roadway by the width of the roadbed actually graded, compacted, and finished as accepted by the Engineer.

00610.90 Payment – Replace this subsection, except for the number and title, with the following:

Payment will be made in full for furnishing all Materials, Equipment, labor, and Incidentals necessary to complete the Work as specified.

Item (a) includes all labor, equipment and materials necessary to trim, shape, finish, compact and proof-roll the roadway in preparation for new asphalt concrete pavement placement. Payment also includes all materials, equipment and labor necessary to protect the subgrade from damage prior to and during new asphalt concrete pavement construction.

No additional payment will be made for additional aggregate imported and constructed onsite as required to achieve the desired cross section and finished grading of the roadway.

No additional pavement will be made for additional grading necessary to re-establish

existing drainage patterns, improve drainage patterns as noted on the plans or provide a smooth and driveable roadway free of ruts, depressions and irregularities.

END SECTION

SECTION 00620 - COLD PLANE PAVEMENT REMOVAL

Comply with Section 00620 of the Standard Specifications modified as follows:

00620.40(e) Warning Signs - Replace this subsection, except for the subsection number and title, with the following:

Provide warning signs as required where abrupt or sloped drop-offs occur at the edge of the existing or new surface according to Sections 00221 and 00222.

00620.43 Maintenance Under Traffic - Replace this subsection, except for the subsection number and title, with the following:

Traffic is allow to drive on milled surface for up to 2 calendar days (local access only). Before opening the area to traffic, pave the surface according to 00745.51.

Prior to overlay paving or after the initial cold planing is completed through an area, the Engineer will examine the pavement surface and delineate areas requiring localized spot grinding by the Contractor. For areas that require additional structural repairs, see Section 00748.

00620.80 Measurement – Add the following to the end of this section:

Areas marked in the field by the Engineer as requiring additional spot grinding prior to mainline overlay paving or additional grinding after the initial cold planning operations for mainline inlay paving will be measured under the bid item for “Extra for Spot Grind and Inlay Areas”. For areas that require additional structural repairs, see Section 00748.

00620.90 Payment – Add the following to the end of this section:

Payment will be made for “Extra for Spot Grind and Inlay Areas” as shown or as directed by the Engineer. Payment will be payment in full for all extra or additional costs involved in cold plane pavement removal and in placing asphalt concrete as specified. These costs are in addition to those which are included in the payment for cold plane pavement removal and asphalt concrete incorporated into the spot grind and inlay areas.

No additional measurement or payment will be made for saw cutting vertical edges at milled joints.

END SECTION

SECTION 00641 - AGGREGATE SUBBASE, BASE, AND SHOULDERS

Comply with Section 00641 of the Standard Specifications.

00641.10(a) Base and Shoulder Aggregate – Replace the last sentence in the first paragraph with the following:

Shoulder aggregate shall be ¾"-0. Aggregate approach shall be either 1"-0 or ¾"-0 as the contractor elects.

Replace "Shoulder Aggregate.....2640" With the following:

Shoulder Aggregate.....2630.10

00641.22 Spreading Equipment – Add the following to the end of this subsection:
All shoulder rock shall be placed using a heavy-duty self-propelled road widener capable of widening from 1' to 14' in a single pass. Discharge of the speed of the aggregate is controlled from a conveyor speed lever on the operator's console.

00641.90 Payment – Add the following pay item to this subsection:

Pay Item	Unit of Measurement
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h) Aggregate Approach: Aggregate Base.....	Square Yard
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Add the following to the end of this subsection:

In items (f), the size of the aggregate shall be included after the bid item in parenthesis.

Item (h) includes aggregate sections constructed as part of driveway approach transitions.

END SECTION

SECTION 00730 - EMULSIFIED ASPHALT TACK COAT

Comply with Section 00730 of the Standard Specifications modified as follows:

00730.11 Emulsified Asphalt - In the paragraph that begins "Obtain samples according to AASHTO T 40..." replace the words "AASHTO T 40" with the words "AASHTO R 66".

00730.22 Asphalt Distributor – Add the following to the end of this subsection:

Apply emulsified asphalt material to vertical surfaces (curb faces, catch basin faces, butt joints, etc.). Avoid excess tack coat overspray being applied to vertical surfaces. Shields protecting vertical faces shall be provided and used during tacking operations. All overspray shall be promptly removed.

00730.44 Applying Tack Coat – Replace the sentence beginning with “Apply the emulsified asphalt...” with the following sentence:

Apply the emulsified asphalt to the prepared surface at a rate between 0.08 and 0.20 gallons per square yard as directed and with the emulsified asphalt temperature between 140 °F and 185 °F as recommend by the manufacture. Additional application of tack may be required, as directed by the Inspector, to obtain the necessary residual asphalt.

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.

END SECTION

SECTION 00745 - ASPHALT CONCRETE PAVEMENT - STATISTICAL ACCEPTANCE

00745.11(a) Asphalt Cement - Replace PG 64-22 or PG 64-28 in the second paragraph with PG 64-22:

Add the following subsection:

00745.27 Trucks – Do not use vehicles or transfers with rear drop axles in which raising the drop axle would cause the vehicle to exceed legal load limits.

00745.42 Preparation of Underlying Surfaces - Add the following subsections:

- a) **Overlay Preparation** - Existing pavement surfaces shall be cleaned of all loose material, dirt vegetation, and dust by brooming, by flushing with water or other approved methods prior to applying the tack coat. Any grass or other vegetation between the existing asphalt concrete and the curb shall be totally removed. Any vegetation that exists over the face of the curb line shall be removed in a neat workman like manner. The existing curb shall be cleaned and a tack coat applied to the curb face prior to paving.

NOTE: The Contractor is responsible for street sweeping. Special attention will be given to organic materials in cracks and the removal of all materials on the edge of the existing pavement. The Contractor shall use vacuum sweepers that are self-propelled equipped with rotating brooms and brushes that are capable of loosening dirt and debris from the road surface and collecting the material by vacuum device.

All work required in the cleaning and preparing the work site as described above and payment for this item shall be considered incidental to and included in the unit price for asphalt concrete material, and no additional compensation shall apply.

- b) **Leveling Courses** - Existing pavements have occasional surface irregularities and uneven crown section. In these worst cases, it is the intent that this condition be corrected through the means of application of an asphalt concrete leveling course prior to the placing of the uniform 2 inch wearing course overlay. In leveling irregular surfaces, the presence of low areas and the surface grade to which the final course is to be placed may require the asphalt mixture to be laid in two or more layers in which case the compacted thickness of any one layer shall not exceed 2 and one-half (2 ½) inches.

All pre-leveling work must be performed at the direction of the County and quantities identified on the schedule of prices are approximate. Asphalt concrete mixture to achieve the necessary pre-leveling work will be paid on the contract unit price per ton.

00745.46(b) Depositing - Replace the paragraph that begins "Deposit ACP from..." with the following paragraph:

Deposit ACP from the hauling vehicles so segregation is prevented. Do not deliver the ACP directly into the paving machine for wearing Courses where the continuous length of the Panel is greater than 500 feet. Deliver the ACP to the paving machine by either a windrow pick-up machine or an end-dump transfer machine.

00745.47(b) Drop-Offs - Replace the bullet that begins "Provide warning signs and markings..." with the following bullet:

- Provide warning signs and markings according to Sections 00221, 00222, 00224 and 00225 where abrupt or sloped edge drop-offs greater than 1 inch in height occur.

Add the following subsection:

00745.51 Opening Sections to Traffic - Local access traffic will be allowed on the top aggregate base surface for up to two Calendar Days.

Before beginning opening sections to local access traffic or Base Course paving operations, make repairs to the existing surface as directed according to 00620 and 00748.

00745.76 Sand Seal - Add the following subsection:

All joints between asphalt concrete pavement, Portland Cement Concrete, old surfaces, curbs, gutters, inlet structures, manholes, etc. shall be sealed by an application of CSS-1 emulsified asphalt followed immediately by a cover coat of clean sand. Width of joint seal coat shall be no less than four inches and no more than six inches.

00745.77 Cleanup - Add the following subsection:

Clean and remove all excess asphalt, debris and tack from all facilities including but not limited to manhole covers, valve boxes, catch basins, concrete gutter and curb faces.

Keep a sweeper on site at all times to sweep areas at the end of each work shift, as needed and as directed.

00745.78 Finish Surfaces - Add the following subsection:

Finish surfaces to the necessary grade which establishes a smooth and drivable surface free from bumps, humps or other vertical abnormalities. Establish grades for positive drainage which matches existing acceptable drainage or improves the existing conditions of the site prior to pavement overlay, grind/inlay, and base grading. Grading which continues to cause ponding shall be discussed and approved by the Engineer prior to paving.

00745.80 Measurement - Add the following paragraph to the beginning of this subsection:

The quantities of ACP shown in the Contract Schedule of Items were computed on the basis of Aggregates having a specific gravity of 2.80.

Replace the paragraph that begins "The quantities of ACP..." with the following paragraph:

The quantities of ACP will be measured on the weight basis. No separate measurement will be made for asphalt cement used in the mixture. No deduction will be made for lime or any other additive used in the mixture.

00745.90 Payment - Replace the bullet that begins "The words "in Leveling"..." with the following bullet:

- The words "in Leveling with Fibers" or "with Fibers" will be inserted in the third blank when applicable.

Replace the paragraph that begins "No separate or additional..." with the following paragraph:

No separate or additional payment will be made for:

- reconditioning existing roadway
- asphalt cement, mineral filler, lime, and anti-stripping or other additives contained in the mixture
- tack coat
- cleaning existing pavement surfaces in preparation for applying the tack
- power sweeping existing surfaces
- sand sealing joints
- QC Testing
- temporary asphalt concrete pavement placed to open the roadway to traffic
- sawing, cleaning, and filling joints on bridge deck overlays

00745.95 Price Adjustments - Replace this subsection with the following:

There will be no ACP Price Adjustments for this project. Asphalt concrete placed that does not comply with the compaction requirements herein shall be removed and replaced at the discretion of the Engineer.

END SECTION

SECTION 00748 - ASPHALT CONCRETE PAVEMENT REPAIR

Comply with Section 00748 of the Standard Specifications modified as follows.

00748.40(a) Confirmation of Subgrade Suitability – Add the following subsection:

Where subgrade or aggregate is exposed from grinding or repair operations and prior to paving, test the stability of the exposed material in the presence of the inspector by either foundation probe or proof roll. Subgrade that is found to be unsatisfactory is subject to additional rehabilitation at the discretion of the Engineer.

00748.80 Measurement – Supplement this section with the following:

The Engineer will delineate repair areas in the field prior to the Contractor completing work under this section. Measurement of repair areas will be based on the actual measurements delineated by the Engineer. No adjustment to the measurements will be made if the Contractor elects to remove additional area based on available equipment sizes and limitations.

00748.90 Payment – Add the following:

No separate or additional payment will be made for sawcutting existing pavements associated with this work.

END SECTION

SECTION 00749 - MISCELLANEOUS ASPHALT CONCRETE STRUCTURES

Comply with Section 00749 of the Standard Specifications modified as follows:

00749.03 Definitions:

Spot Grind and Inlay Areas - Spot grind and inlay areas are pavement areas that require localized cold plan pavement removal and ACP inlay to address existing pavement deficiencies following initial mainline cold plane pavement removal and sweeping operations. The Engineer shall determine the location of spot grind and inlay areas.

00749.15 Asphalt Drainage Curbs and Asphalt Speed Bumps – Use a 3/8” dense mix for asphalt drainage curbs and asphalt speed bumps.

00749.80 Measurement – Replace the paragraph that begins “Work performed under this Section...”, with the following paragraph:

Work performed under this Section will be measured by one of the methods described in 00749.81 and 00749.82. Street connections will not be measured for payment.

00749.90 Payment – Replace the paragraph that begins “Aggregate will be paid...”, with the following paragraph:

When aggregate base is not included as a separate Pay Item, no separate or additional payment will be made for aggregate base.

00749.91 Method “A” – Weight and Extras Basis – Add the following to the end of this subsection:

Pay Item	Measurement
j) Extra for Spot Grind and Inlays.....	Square Yard
k) Extra for Curb Ramp Asphalt Plug.....	Square Foot

Item (j) includes spot grind and inlay areas as shown or as directed by the Engineer. This Work shall be performed after initial mainline cold plane pavement removal and sweeping operations. Areas will be based on a typical grinder width (7-foot minimum pay limit width). Asphalt concrete pavement and cold plane pavement removal will be measured and paid for separately.

Item (k) includes areas of ACP within the roadway adjacent to proposed curb ramps.

Replace the paragraph that begins “Item (a) includes...” with the following paragraph

Item (a) includes new asphalt driveway connections shown on the plans. No additional measurement or payment will be made for the extra cost of placing asphalt concrete at existing roadway intersection transitions or at existing asphalt driveway connections.

END SECTION

SECTION 00759 - MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES

Comply with Section 00759 of the Standard Specifications modified as follows:

Add the following subsection:

00759.12 Curb Ramp Treatment – Add the following paragraph to the end of this subsection:

Unless otherwise noted on the Plans, use cast-in-place installation at all ramp locations.

0759.41 Earthwork - Add the following paragraph to the end of this subsection:

Remove and dispose of existing concrete sidewalks, curbs, curb ramps, asphalt concrete pavement and other surfacings that are scheduled for removal according to Section 00310.

00759.46 Concrete – Add the following to the end of this subsection:

Curb ramps will be inspected and accepted in accordance with the Clackamas County Curb Ramp Inspection Form current as of the bid opening date available on the County’s website.

END SECTION

SECTION 00850 - COMMON PROVISIONS FOR PAVEMENT MARKINGS

Comply with Section 00850 of the Standard Specifications modified as follows:

Add the following subsection:

00850.12 Reflective Elements – Swarco 3130 blend or approved equal from the ODOT QPL shall be used with Hi-Built Paint.

00850.30 Manufacturer’s Representative - Replace this subsection, except for the subsection number and title, with the following:

For Sections referencing 00850.30, the services of a manufacturer’s representative are not required. Place pavement markings only when the pavement is ready for the pavement marking material according to the manufacturer’s installation instructions.

END SECTION

SECTION 00867 - TRANSVERSE PAVEMENT MARKINGS - LEGENDS AND BARS

Comply with Section 00867 of the Standard Specifications.

END SECTION

SECTION 00902 - CROSSWALK CLOSURE SUPPORTS

Section 00902, which is not a Standard Specification, is included in this Project by Special Provision.

Description

00902.00 Scope - This Work consists of constructing crosswalk closure supports and associated signs as shown.

Materials

00902.10 Materials - Furnish Materials meeting the following requirements:

Commercial Grade Concrete.....	00440
Steel	01070.10 and 01070.12
Signs.....	00940

Construction

00902.40 General - Install crosswalk closure supports and associated signs as shown or directed.

Measurement

00902.80 Measurement - The quantities of crosswalk closure supports will be measured on the unit basis. No separate measurement will be made for signs attached to crosswalk closure supports.

Payment

00902.90 Payment - The accepted quantities of Work done under this Section will be paid for at the Contract unit price, per each, for the item "Crosswalk Closure Supports".

Payment will be payment in full for furnishing and placing all Materials, including signs, and for furnishing all Equipment, labor, and Incidentals necessary to complete the Work as specified.

END SECTION

SECTION 00940 - SIGNS

Comply with Section 00940 of the Standard Specifications

END SECTION

SECTION 01030 - SEEDING

Comply with Section 01030 of the Standard Specifications modified as follows:

01030.00 Scope – Supplement this section with the following:

This work also consists of all work necessary to restore existing surfacing, including grass, topsoil, gravel materials, mulch and other landscaping or hardscaping, including concrete, asphalt concrete or pavers, located in areas between the edge of proposed walks and match points to existing landscaped or hardscaped areas. Construct topsoil and grass seeding, or mulch in areas where existing surfacing is to be removed and replaced with grass or mulch to match pre-existing conditions. Reinstall existing hardscape surfacings in areas where existing surfacing is to be removed and reinstalled.

01030.80 Measurement – Supplement this section with the following item:

- Lump Sum Basis – All roadside restoration work will be measured on the lump sum basis.

01030.90 Payment – Supplement this section with the following item:

Pay Item	Unit of Measurement
(n) Roadside Restoration	Lump Sum

No separate or additional payment will be made for relocating, adjusting and/or reconnecting existing irrigation or landscape lighting necessary to construct the proposed Work.

Removal of existing surfacings will be measured according to 00310.90.

END SECTION

SECTION 01070 - MAILBOX SUPPORTS

Comply with Section 01070 of the Standard Specifications.

END SECTION

SECTION 02001 – CONCRETE

Comply with Section 02001 of the Standard Specification.

END SECTION

SECTION 02020 - WATER

Comply with Section 02020 of the Standard Specification.

END SECTION

SECTION 02030 - MODIFIERS

Comply with Section 02030 of the Standard Specification.

END SECTION

SECTION 02040 – CHEMICAL ADMIXTURES

Comply with Section 02040 of the Standard Specifications.

END SECTION

SECTION 02050 – CURING MATERIALS

Comply with Section 02050 of the Standard Specifications.

END SECTION

SECTION 02080 – GROUT

Comply with Section 02080 of the Standard Specifications.

END SECTION

SECTION 02450 – MANHOLE AND INLET MATERIALS

Comply with Section 02450 of the Standard Specifications.

END SECTION

SECTION 02910 - SIGN MATERIALS

Comply with Section 02910 of the Standard Specifications modified as follows:

02910.33(a) General - Replace this subsection, except for the subsection number and title, with the following:

Permanent legends consist of white retroreflective screened, red retroreflective screened, black screened or cut-out white retroreflective sheeting. The letters and numerals of all permanent legends shall conform to the design of the FHWA Standard Rounded Capital Letter Alphabets.

Add following subsection:

02910.50 Digitally Printed Signs, Temporary - Temporary traffic control signs may use digitally printed signs from an integrated engineered match component system on the QPL and applied to furnished substrate according to 00222.10(b).

END SECTION



**APPLICATION AND PERMIT TO OCCUPY OR
PERFORM OPERATIONS UPON A STATE HIGHWAY**

See Oregon Administrative Rule, Chapter 734, Division 55

PERMIT NUMBER

2BM48381

CLASS: KEY#

GENERAL LOCATION			PURPOSE OF APPLICATION (TO CONSTRUCT/OPERATE/MAINTAIN)		
HIGHWAY NAME AND ROUTE NUMBER HWY 213			<input type="checkbox"/> POLE LINE	TYPE	MIN. VERT. CLEARANCE
HIGHWAY NUMBER 213	COUNTY Clackamas		<input type="checkbox"/> BURIED CABLE	TYPE	
BETWEEN OR NEAR LANDMARKS Intersection SE Overland and Hwy 213			<input type="checkbox"/> PIPE LINE	TYPE	
HWY. REFERENCE MAP ODOT TransGis	DESIGNATED FREEWAY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	IN U.S. FOREST <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> NON-COMMERCIAL SIGN AS DESCRIBED BELOW		
APPLICANT NAME AND ADDRESS Clackamas County DTD c/o Andrew Giesy One SW Columbia Street, Suite 1700 Portland, Oregon 97204			<input checked="" type="checkbox"/> MISCELLANEOUS OPERATIONS AND/OR FACILITIES AS DESCRIBED BELOW		
			FOR ODOT USE ONLY		
			BOND REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	REFERENCE: OAR 734-055-0035(2)	AMOUNT OF BOND
			INSURANCE REQUIRED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	REFERENCE: OAR 734-055-0035(1)	SPECIFIED COMP. DATE 08/31/2024

DETAIL LOCATION OF FACILITY (For more space attach additional sheets)

MILE POINT	MILE TO POINT	ENGINEERS STATION	ENGINEERS TO STATION	SIDE OF HWY OR ANGLE OF CROSSING	DISTANCE FROM		BURIED CABLE OR PIPE		SPAN LENGTH
					CENTER OF PVMT	R/W LINE	DEPTH/VERT.	SIZE AND KIND	
7.7	7.8	N/A	N/A	W	30	Within	N/A	Traffic Control Devices (Signs and Barrels)	

DESCRIPTION OF DESIRED USE

The Overland Paving Project does not propose to pave any ODOT facilities, however traffic control devices will need to be placed along Highway 213. Proposed work will allow west bound traffic to enter onto Overland St. Full closure of Overland St with begin at 80th Ave a detour is provided. See attached detour plan.

SPECIAL PROVISIONS (FOR ODOT USE ONLY)

- TRAFFIC CONTROL REQUIRED YES [OAR 734-055-0025(6)] NO
- OPEN CUTTING OF PAVED OR SURFACED AREAS ALLOWED YES [OAR 734-055-0100(2)] NO [OAR 734-055-0100(1)]
- ◆ **AT LEAST 48 HOURS BEFORE BEGINNING WORK, THE APPLICANT OR HIS CONTRACTOR SHALL NOTIFY THE DISTRICT REPRESENTATIVE Jim Bailey AT PHONE NO.: D2Bup@odot.oregon.gov OR EMAIL OR FAX THIS PAGE TO THE DISTRICT OFFICE AT: D2Bup@odot.oregon.gov. SPECIFY TIME AND DATE WORK IS TO OCCUR.**
 - ◆ A COPY OF THIS PERMIT AND ALL ATTACHMENTS SHALL BE AVAILABLE AT THE WORK AREA DURING CONSTRUCTION.
 - ◆ **ATTENTION: Oregon Law requires you to follow rules adopted by the Oregon Utility Notification Center. Those rules are set forth in OAR 952-001-0001 through OAR 952-001-0090. You may obtain copies of the rules by calling the center at (503) 232-1987. CALL BEFORE YOU DIG 1-800-332-2344**

COMMENTS (FOR ODOT USE ONLY)

At the time of lane and/or complete roadway closure and again when the lane and/or complete roadway is opened on a state highway the Applicant or their Contractor is required to notify ODOT Traffic Management Operations Center (TMOC) 503-283-5859. If during the course of their permitted work the Applicant or their Contractor come across personal property in their work zone they need to contact their permit specialist. The personal property may not be removed by the Applicant or their Contractor. ODOT is not responsible to collect and/or dispose of sharps or biohazard material found within project limits.

IF THE PROPOSED APPLICATION WILL AFFECT THE LOCAL GOVERNMENT, THE APPLICANT SHALL ACQUIRE THE LOCAL GOVERNMENT OFFICIAL'S SIGNATURE BEFORE ACQUIRING THE DISTRICT MANAGER'S SIGNATURE.

LOCAL GOVERNMENT OFFICIAL SIGNATURE <input checked="" type="checkbox"/> <i>Jon Spunk</i>		TITLE <i>Project Manager</i>	DATE <i>05/01/2024</i>
APPLICANT SIGNATURE <input checked="" type="checkbox"/>	APPLICATION DATE	TITLE	TELEPHONE NO.
When this application is approved by the Department, the applicant is subject to, accepts and approves the terms and provisions contained and attached: and the terms of Oregon Administrative Rules, Chapter 734, Division 55, which is by this reference made a part of this permit.			DISTRICT MANAGER OR REPRESENTATIVE <input checked="" type="checkbox"/> <i>Bryce Haworth</i>
			APPROVAL DATE <i>5/13/24</i>



GENERAL PROVISIONS FOR POLELINE, PIPELINE, BURIED CABLE, AND MISCELLANEOUS PERMITS

Revised April 2022

APPLICANT: Clackamas County DTD (Jon Sparks)	PERMIT NO.: 2BM48381
HIGHWAY: OR-99E (81) Overland	MP: 7.70-7.80

These permit provisions are in addition to the requirements described in Oregon Administrative Rule, Chapter 734, Division 55 and may be supplemented by permit special provisions. In the event of a conflict, the Administrative Rule will apply then these provisions followed by any permit special provisions. Unless otherwise specified, all documents referenced are references to the current version, with any revisions or supplements, in place when the work is conducted.

All checked () provisions apply.

WORKSITE

- 1. Access control fence must be maintained during permitted work and restored to its original or better condition after permitted work is complete.
- 2. The Applicant shall not use state highway right of way to display advertising signs or to display or sell merchandise of any kind.
- 3. The stopping and parking of vehicles upon state highway right of way for the maintenance of adjoining property or in furtherance of any business transaction or commercial establishment is prohibited.
- 4. All grass and small brush within the work area shall be rotary or flail mowed to ground level prior to the beginning of work to facilitate clean up.
- 5. Disturbed areas shall be reseeded with grass native to the area in an appropriate seeding time.
- 6. The spreading of mud or debris upon any state highway is prohibited and violation shall be cause for immediate cancellation of the permit. Clean up shall be at the Applicant's expense. The highway shall be cleaned of all dirt and debris at the end of each work day, or more frequently as directed by the District Manager or representative.
- 7. Applicant shall replace any landscape vegetation or fences that are damaged or destroyed. Any damage that is not fully restored within 30 days may be replaced by ODOT at the expense of the Applicant. A "plant establishment" shall be understood to be part of the planting work to assure satisfactory growth of planted materials. The plant establishment period will begin when the original planting has been completed and approved. The length of the establishment period will be one calendar year or as defined in the permit Special Provisions.
- 8. Applicant shall install and maintain the landscaped area as shown on the attached drawings. Plantings shall be limited to non-invasive, low-growing shrubs, grass or flowers that do not attain sufficient height to obstruct clear vision in any direction. ODOT may remove plantings without liability or loss, injury, or damage of any nature whatsoever if in the future it is determined to be in the public interest to do so.

TRAFFIC

- 9. The work area shall be protected in accordance with the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD), and the Oregon Temporary Traffic Control Handbook as supplemented or amended by ODOT.
- 10. For work requiring traffic control devices to be in place continuously for longer than three days, Applicant shall provide a site specific traffic control plan developed based on the principles of the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD) and ODOT Standards. The traffic control plan may be reviewed by ODOT before work begins. The ODOT review does not relieve the Applicant of responsibility for the accuracy of the traffic control plan.
- 11. For permitted utility work, the Applicant shall take measures necessary to maintain the accessibility of the state highway including sidewalks and pedestrian areas by individuals with disabilities to the ODOT

Americans with Disability Act (ADA) standard during the course of the work by following the Oregon Temporary Traffic Control Handbook, Section 1.6.

12. When constructing a new utility service line, Applicant shall ensure that advance notice of any temporary pedestrian route is provided in an accessible format to the public, people with disabilities, and disability organizations to the greatest extent possible. The Notice is to be sent to the organizations on the contact list of Centers for Independent Living at https://www.oregon.gov/odot/Engineering/DOCS_ADA/AOCIL-Contacts.pdf
13. All damaged or removed highway signs shall be replaced by the Applicant. Installation shall be according to MUTCD and ODOT standards, and shall be completed as soon as possible but no later than the end of the work shift.
14. No lane restrictions are permitted on the roadway during the hours of darkness, on weekends, or between 6:00 AM and 9:00 AM, or 3:00 PM and 6:00 PM (Monday through Friday) without prior approval by ODOT.
15. Hours of work shall be Duration of project

DRAINAGE

16. On-site storm drainage shall be controlled within the permitted property. No blind connections to existing state facilities are allowed.
17. Excavation shall not be done on ditch slopes. Trench excavation shall either be at ditch bottom or outside ditch area. (Minimum depth at bottom of ditch shall be 36 inches; minimum depth outside of ditch shall be 42 inches).
18. Only earth or rock shall be used as fill material and shall slope so as not to change or adversely affect existing drainage. Fine grade and seed the finished fill with native grasses to prevent erosion.
19. A storm drainage study stamped by an Oregon Registered Professional Engineer (PE) is required. The study must meet standards of the National Pollution Discharge Elimination Systems (NPDES) when any of the following conditions apply:
- whenever a four inch pipe is inadequate to serve the developed area,
 - development site is one acre or larger in size and directly or indirectly affects state facilities, or
 - as directed by the District Manager or representative.
20. Applicant shall provide on-site retention for storm water runoff that exceeds that of the undeveloped site.
21. All water discharged to an ODOT drainage system must be treated prior to discharge. All requests for connection to an ODOT storm system must meet any requirements of the National Pollutant Discharge Elimination System (NPDES). This may include local jurisdiction approval of on-site water quality treatment facilities and/or development of an operation and maintenance plan for any on-site water quality treatment facility, as determined by local jurisdiction.

EXCAVATION / CONSTRUCTION


22. "Oregon Standard Specifications for Construction" and ODOT "Standard Drawings" where applicable and not otherwise superseded by the permit, shall be incorporated for use in the permit; <https://www.oregon.gov/odot/engineering/pages/index.aspx>. These documents apply only to the extent they provide standards and performance requirements for work to be performed under the permit. In the event of a conflict, the permit provisions will take precedent.
23. Trench backfill shall be according to the attached typical drawing, marked as Exhibit A.
24. When open cutting of the highway is allowed, all excavation in paved areas shall be backfilled and the roadway surface patched before the end of each shift.
25. Steel plates shall be pinned and a temporary cold patch applied to the edges. The Applicant shall be responsible for monitoring and maintenance of temporary patching and steel plating.
26. Compaction tests shall be required for each open cut per Oregon Standard Specifications for Construction. Compaction tests shall be conducted once for every 300 lineal feet per lift of continuous trench according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent Compaction shall be at least 95%. Results of compaction test shall be provided upon request of the District Manager or representative at Applicants' expense.

- 27. Control Density Fill (CDF) shall be used as surface backfill material in place of crushed rock in open trenches that impact the travel portions of the highway. A ¾"-0, or 1"-0 rock will be used for the aggregate. The amount of cement used shall not exceed 3.0% of the total mixture's weight. Maximum compressed strengths must not exceed 250 pounds per square inch (psi).
- 28. Surface restoration shall be a minimum of ~~four~~^{Eight} inches of hot asphalt-concrete (AC), compacted in two inch lifts, or to match existing pavement depth, whichever is greater. Sand-seal all edges and joints.
- 29. Any area of cut or damaged asphalt shall be restored in accordance with the attached "T-Cut Typical Section" drawing. For a period of two years following the patching of the paved surface, Applicant shall be responsible for the condition of the pavement patches, and during that two year period shall repair to District Manager or representative's satisfaction any of the patches which become settled, cracked, broken, or otherwise faulty.
- 30. An overlay to seal an open-cut area shall be completed prior to the end of the construction season, or when minimum temperature allows per the Oregon Standard Specification for Construction. The overlay shall be 1.5 inches deep and cover the affected area from edge of pavement to edge of pavement, and taper longitudinally at a fifty feet to one inch (50':1") ratio. Taper may be adjusted by the District Manager as required. For a period of two years following this patching of the paved surface, the Applicant shall be responsible for the condition of said pavement patches, and during that time shall repair to the District Manager or representative's satisfaction any of the patches which become settled, cracked, broken or otherwise faulty.
- 31. Highway crossings of utility lines shall be bored, or jacked. Bore pits shall be located behind the ditch line unless otherwise specified in the permit. Unattended pits shall either be protected by a six-foot fence, backfilled, or steel plated and pinned.
- 32. Any non-conductive, un-locatable, underground facility shall have a tracer wire or other similar conductive marking tape or device placed the full length of the installed underground facility in compliance with the Oregon Utilities Notification Center rules, OAR Chapter 952.
- 33. Trench backfill outside of ditch line may be native soil compacted at optimum moisture in twelve inch layers to not less than 95% relative maximum density.
- 34. Native material that is unsatisfactory for compaction shall be disposed of off the work site and granular backfill used.
- 35. Trench backfill in rock slope or shoulder shall be crushed 1"-0 or ¾"-0 size rock compacted at optimum moisture in eight-inch layers. Compaction tests shall be conducted according to the Manual of Field Test Procedures (MFTP), published by ODOT. Percent compaction shall be at least 95% maximum density. At the request of the District Manager or representative, results of compaction tests shall be provided to District Manager or representative at Applicant's expense.
- 36. Where excavation is on fill slope steeper than a two to one (2:1) ratio, slope protection shall be provided using four-inch size rock laid evenly to a minimum depth of twelve inches.
- 37. No more than 300 feet of trench longitudinally along the highway shall be left open at any one time and no trench shall be left in an open condition overnight.
- 38. Areas of disturbed cut and fill slopes shall be restored to a condition suitable to the District Manager or representative. Areas of erosion to be inlaid with an acceptable riprap material.
- 39. All underground utilities shall be installed with three-foot or more of horizontal clearance from existing or contract plans guardrail posts and attachments.
- 40. Any area of cut or damaged concrete shall be restored in accordance with the attached Typical Section-Pipe Section under sidewalk.
- 41. Utility markers, pedestals, and vaults shall be placed as near the highway right-of-way line as practical. In no case shall pedestals, vaults, and line markers be located within the area where highway maintenance activities regularly occur including mowing operations, or nearer the pavement edge than any official highway sign in the same general location.
- 42. No cable plowing is allowed within the lateral support of the highway asphalt (e.g. at six feet lower than the edge of the asphalt, no plowing within nine feet of the edge of the asphalt).
- 43. Review by the ODOT Bridge Engineer is required for all proposed bridge and structure attachments and for any facilities to be installed within sixteen feet of bridge foundations, supports, walls or related elements, or within the influence zone of bridge facilities.

MISCELLANEOUS

- 44. Applicant shall be responsible and liable for (1) investigating presence/absence of any legally protected or regulated environmental resource(s) in the action area; (2) determining any and all restrictions or requirements that relate to the proposed actions, and complying with such, including but not limited to those relating to hazardous material(s), water quality constraints, wetlands, archeological or historic resources(s) state and federal threatened or endangered species, etc., (3) complying with all federal, state, and local laws, and obtaining all required and necessary permits and approvals.
- 45. If the Applicant impacts a legally protected/regulated resource, Applicant shall be responsible for all costs associated with such impact, including, but not limited to all costs of mitigation and rehabilitation, and shall indemnify, and hold ODOT harmless for such impacts and be responsible and liable to ODOT for any associated costs or claims that ODOT may have.
- 46. Plans are reviewed by ODOT in general only and do not relieve the Applicant from completing roadway improvements in a manner satisfactory to ODOT. The District Manager or representative may require field changes. When revisions are made in the field, Applicant is responsible to provide "as built" drawings, within 60 days from completion of roadway improvements, and shall submit them to the District Office issuing the permit.
- 47. Applicant shall be responsible for locating and preserving all existing survey monumentation within the work area in accordance with ORS 209.150 and/or 209.155. If monumentation or its accessories are inadvertently or otherwise disturbed or destroyed, Applicant shall be responsible for all costs and coordination associated with its reestablishment by a professional licensed surveyor.
- 48. Applicant shall be responsible to restore or replace any curbs or curb ramps damaged by the permitted activity according to ODOT's ADA Standards available at <https://www.oregon.gov/ODOT/Engineering/Pages/Accessibility.aspx>. Any review or inspection of the curbs or curb ramps conducted by ODOT does not relieve the Applicant of the responsibility to comply with any other aspect of federal, state, and local laws, rules and regulations applicable to the work allowed under the permit including but not limited to the Americans with Disabilities Act of 1990.
- 49. When constructing a minor roadway improvement, Applicant shall comply with all federal, state, and local laws, regulations, executive orders and ordinances applicable to the work under this permit, including, without limitation, the provisions of ORS 276.071. If Applicant chooses to assign their permitted responsibilities to a consultant or contractor, Applicant shall inform the consultant or contractor of the requirements of ORS 276.071.
- 50. Upon completion of the permitted minor roadway improvement, Applicant shall notify ODOT and request final inspection. If all structures and appurtenances constructed under this permit are found to be in compliance with permit provisions and state standards, ODOT will accept ownership of the permitted structures and appurtenances by written notice to the Applicant.

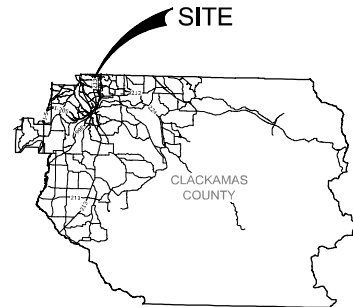
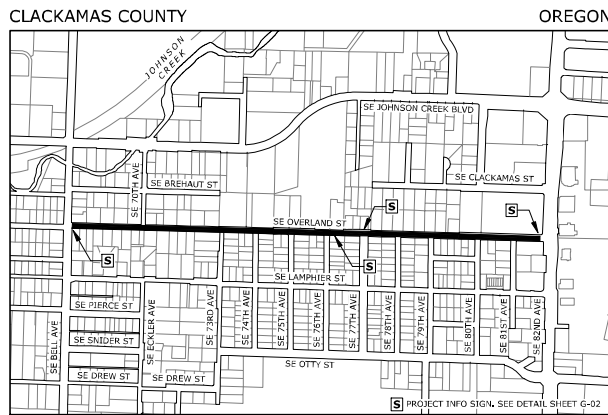
By this signature Applicant acknowledges that the Applicant is subject to and accepts all checked (☒) provisions (4 pages).

Applicant Representative's Signature: 	Applicant Representative's Title: CONSOR PROJECT MANAGER	Date: 5/9/2024
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CLACKAMAS COUNTY
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 PLANS FOR PROPOSED PROJECT
 ASPHALT OILING & PAVING, AND TEMPORARY TRAFFIC CONTROL
OVERLAND PARK PAVING PROJECT
 CI-3-23311



INDEX OF SHEETS	
G-01	COVER SHEET
G-02	GENERAL NOTES AND LEGEND
TC1	TRAFFIC CONTROL DETOUR PLAN
C-01	TYPICAL SECTIONS
C-02 TO C-04	PAVING DETAILS
C-05 TO C-07	CURB RAMP DETAILS
C-08 TO C-11	PAVING PLAN AND NOTES



VICINITY MAP
 NOT TO SCALE



ATTENTION !
 OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0100 THROUGH OAR 952-001-0109. YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER OR ANSWERS TO QUESTIONS ABOUT THE RULES BY CALLING (503) 232-4387.



COVER SHEET	
OVERLAND PARK PAVING PROJECT	
PROJECT NO: CI-3-23311	
DATE: APRIL 2024	
DIRECTOR: DAN JOHNSON	
CLACKAMAS COUNTY DEPT. OF TRANSPORTATION 150 BULLOCKEY ROAD OREGON CITY, OR 97045	
DESIGNED BY: ARC	DRAWN BY: RPH
CHECKED BY: JAG	
NO. DATE:	
REVISIONS:	
Sheet No.	G-01

W:\projects\CI-3-23311\Drawings\CI-3-23311-G-01.dwg (11/20/24 3:53 PM) R:\MANAGEMENT\44111 (LAWYER)

GENERAL NOTES:

1. INSTALL FOUR SETS (2 SIGNS PER SET) OF TEMPORARY PROJECT SIGNS PRIOR TO COMMENCING WITH WORK. MOUNT PAVING AND PROJECT NOTIFICATION SIGNS TO TEMPORARY SIGN SUPPORTS PER ODOT STD DWG TM821 OR TM822. INSTALL AT LOCATIONS SHOWN ON SHEET G-1. COORDINATE FINAL LOCATION WITH INSPECTOR. SEE PROJECT SIGN DETAILS, THIS SHEET.

VERTICAL DATUM AND BASIS OF BEARINGS:

1. ALL LINE INFORMATION IS BASED ON CLACKAMAS COUNTY GIS DATA AND AERIAL PHOTOS, WHICH IS APPROXIMATE.

RIGHT-OF-WAY REPRESENTATION:

1. ALL LINE-WORK SHOWN RELATING PROPERTY BOUNDARY TO SCAN DATA IS FOR GRAPHICAL REPRESENTATION ONLY. ANY APPARENT DISCREPANCIES BETWEEN SAID DATA WILL REQUIRE FIELD VERIFICATION THROUGH A PROPER RIGHT-OF-WAY RESOLUTION.

PAVEMENT REMOVAL, GRADING AND PAVING NOTES:

1. WHERE PAVEMENT IS REPLACED TO MATCH EXISTING GRADE AT THE CENTERLINE/ROADWAY CROWN AND ADJACENT TO THE EXISTING CURB/EDGE OF PAVEMENT, CONTRACTOR SHALL:
 - MARK EXISTING CURB FLOW LINE WITH PAINT PRIOR TO AC SURFACING. REMOVAL TO DOCUMENT EXISTING PAVEMENT ELEVATION AND CURB EXPOSURE.
 - SURVEY THE EXISTING ROADWAY CROWN, GRADE BREAKS, EDGE OF PAVEMENT (AS NECESSARY) AND ANY OTHER LOCATIONS AS NECESSARY TO RE-ESTABLISH THE EXISTING ROAD GRADE. EXISTING ELEVATIONS SHALL BE COLLECTED AT A MINIMUM DISTANCE OF 25 FEET ALONG THE FULL STREET ALIGNMENT.
 - SURVEY INFORMATION SHALL BE USED TO PROVIDE CONSTRUCTION STAKING, AS NECESSARY, DURING FINAL GRADE PRIOR TO PAVING.
2. WHERE AGGREGATE BASE IS EXPOSED FROM GRINDING OR REPAIR OPERATIONS AND PRIOR TO PAVING, RECONDITION AND PREPARE THE EXISTING AGGREGATE BASE SURFACE.
3. PRIOR TO ASPHALT INLAY ALONG PAVEMENT REMOVAL SECTIONS, GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.
4. PRIOR TO MAINLINE PAVING OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND (MAX 2" DEPTH) AND INLAY DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. CONTRACTOR SHALL SHOW APPROPRIATE TIME AND RESOURCES IN THE PROJECT SCHEDULE TO COMPLETE THIS WORK.
5. GRADE ASPHALT TO MAINTAIN POSITIVE DRAINAGE.
6. CONSTRUCT ASPHALT CONCRETE PAVEMENT LEVELING COURSE AS SHOWN OR DIRECTED.

TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR SHALL FOLLOW AN APPROVED PHASING PLAN THAT MEETS THE MINIMUM REQUIREMENTS AS SET FORTH IN THE CONTRACT DOCUMENTS. ANY PROPOSED PHASING THAT CONFLICTS WITH REQUIREMENTS NOTED BELOW OR ELSEWHERE IN THE CONTRACT DOCUMENTS, SHALL BE APPROVED IN WRITING BY THE COUNTY PRIOR TO BEGINNING WORK.
2. CONTRACTOR SHALL PHASE AND COORDINATE CONSTRUCTION TO MINIMIZE DELAYS AND IMPACTS TO PUBLIC TRAFFIC, PUBLIC SERVICES (GARBAGE, MAIL, ETC.) AND PROPERTY ACCESS.
3. CONTRACTOR SHALL PREPARE A DETAILED TRAFFIC CONTROL PLAN CONFORMING TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE MUTCD AND THESE CONTRACT DOCUMENTS.
4. MAINTAIN ACCESS TO ADJOINING PROPERTIES AT ALL TIMES, PROVIDE ADVANCED NOTICE OF ALL ROAD CLOSURES TO RESIDENTS, PUBLIC SERVICES, AND EMERGENCY SERVICES.
5. TRAFFIC CONTROL PLANS TO BE ACCOMPANIED BY ODOT STANDARD DRAWING NOS. TM800, TM820, TM821, TM822, TM840, TM841, TM844, AND TM850.
6. UNLESS OTHERWISE SHOWN, USE "MINIMUM LENGTHS TABLE" ON DRAWING NO. TM800 TO DETERMINE TAPER LENGTH "L" AND BUFFER LENGTH "B".
7. TO DETERMINE SIGN SPACING, USE "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" ON DRAWING NO. TM800.
8. MAINTAIN PEDESTRIAN ACCESS WITHIN CONSTRUCTION LIMITS.
9. COOPERATE AND COORDINATE WITH RESIDENTS AND BUSINESSES WHEN WORKING NEAR AFFECTED ACCESS POINTS.

ODOT STANDARD DRAWINGS:

- RD610
- RD615
- RD700
- RD720
- RD721
- RD900
- RD901
- RD910
- RD930
- RD1010
- TM240
- TM500
- TM503
- TM530
- TM800
- TM820
- TM821
- TM822
- TM840
- TM841
- TM844
- TM850

COUNTY STANDARD DRAWINGS

- M160
- D500
- SWM=07

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
ACP	ASPHALTIC CONCRETE PAVEMENT
ADJ	ADJACENT
AGG	AGGREGATE
APPROX	APPROXIMATE
BFILL	BACKFILL
C/L	CENTERLINE
CI	CAST IRON
CIP	CAST IN PLACE
CONC	CONCRETE
DI	DUCTILE IRON
DWG	DRAWING
DWY	DRIVEWAY
EOP	EDGE OF PAVEMENT
EXIST	EXISTING
GR	GROUND/GRADE
HORIZ	HORIZONTAL
IE	INVERT ELEVATION
LOC	LOCATION
MAX	MAXIMUM
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NORM	NORMAL
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
PC	POINT OF CURVE
P/MT	PAVEMENT
R/W	RIGHT-OF-WAY
S/W	SIDEWALK
SD	STORM DRAIN



SHT	SHEET
STA	STATION
STD	STANDARD
THK	THICK/THICKNESS
TYP	TYPICAL
W	WATER
W/	WITH
WES	WATER ENVIRONMENTAL SERVICES
SLP	SLOPE

TOPOGRAPHIC LEGEND

EXISTING PROPERTY ADDRESS	=====
EXISTING CENTURLINE	-----
EXISTING PROPERTY LINE (BASED ON GIS)	-----
EXISTING RIGHT-OF-WAY (BASED ON GIS)	-----
EXISTING CURB	=====
EXISTING SIDEWALK	=====
EXISTING ASPHALT CONCRETE	=====
EXISTING ASPHALT CONCRETE DRIVEWAY	=====
EXISTING CONCRETE	=====
EXISTING PAVERS	=====
EXISTING GRAVEL	=====
EXISTING CLEAN-OUT	=====
EXISTING CATCH BASIN/FIELD INLET	=====
EXISTING ROOF DRAIN	=====
EXISTING VALVE	=====
EXISTING FIRE HYDRANT	=====
EXISTING WATER METER	=====
EXISTING MAIL BOX	=====
EXISTING BENCHMARK OR MONUMENT	=====
EXISTING COMMUNICATIONS RISER	=====
EXISTING UTILITY POLE/STREET LIGHT	=====
EXISTING UTILITY POLE GUY WIRE	=====
EXISTING LIGHT	=====
EXISTING UTILITY PULL BOX	=====
PROPOSED SAWCLT	=====



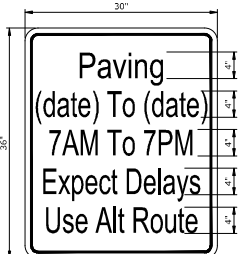
- NOTES:**
1. SIGN SHALL BE PLACED AT EACH DRIVEWAY APPROACH WHEN A PILOT CAR IS USED.
 2. SIGN SHALL CONFORM TO ODOT DRAWING CR-420 OR CR-420A.

SIGN NOTES:

1. SIGNS TO BE ORANGE BACKGROUND WITH BLACK LETTERING AND BORDERS.
2. TEXT FONT TO BE FHWA C.
3. COUNTY LOGO TO COMPLY WITH SPECIFICATIONS IN THE COUNTY BRAND GUIDE: [HTTP://WEB1.CLACKAMAS.US/PGA/LOGO/HTML#GUIDE](http://web1.clackamas.us/pga/logo/html#guide).
4. CONTRACTOR'S APPROVED SCHEDULE TO DETERMINE DATES ON PROJECT NOTIFICATION SIGN.



PAVING SIGN



PROJECT NOTIFICATION SIGN

TEMPORARY PROJECT SIGN DETAIL
SCALE: NTS



GENERAL NOTES AND LEGEND

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
1400 BEAVERCREEK ROAD
PORTLAND, OREGON 97204

DIRECTOR
DAN JOHNSON

OVERLAND PARK PAVING PROJECT

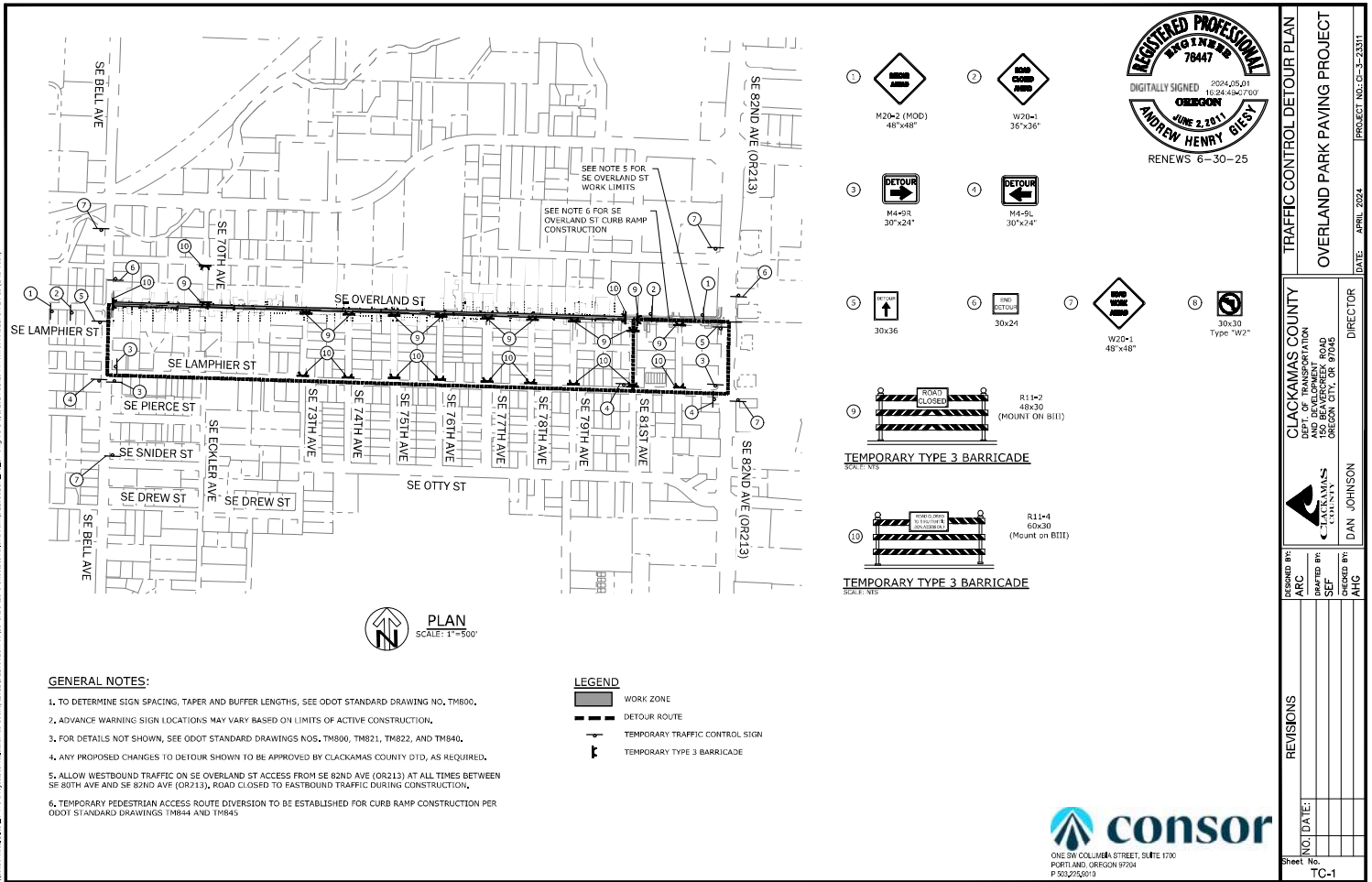
PROJECT NO. 15-3-231T
DATE: APRIL 2024

REVISIONS

NO.	DATE	BY	DESCRIPTION

DESIGNED BY: ARC
CHECKED BY: RPH
DRAWN BY: RPH
DATE:

Sheet No. G-02



GENERAL NOTES:

1. TO DETERMINE SIGN SPACING, TAPER AND BUFFER LENGTHS, SEE ODOT STANDARD DRAWING NO. TM800.
2. ADVANCE WARNING SIGN LOCATIONS MAY VARY BASED ON LIMITS OF ACTIVE CONSTRUCTION.
3. FOR DETAILS NOT SHOWN, SEE ODOT STANDARD DRAWINGS NOS. TM800, TM821, TM822, AND TM840.
4. ANY PROPOSED CHANGES TO DETOUR SHOWN TO BE APPROVED BY CLACKAMAS COUNTY DTD, AS REQUIRED.
5. ALLOW WESTBOUND TRAFFIC ON SE OVERLAND ST ACCESS FROM SE 82ND AVE (OR213) AT ALL TIMES BETWEEN SE 80TH AVE AND SE 82ND AVE (OR213), ROAD CLOSED TO EASTBOUND TRAFFIC DURING CONSTRUCTION.
6. TEMPORARY PEDESTRIAN ACCESS ROUTE DIVERSION TO BE ESTABLISHED FOR CURB RAMP CONSTRUCTION PER ODOT STANDARD DRAWINGS TM844 AND TM845

LEGEND

- WORK ZONE
- DETOUR ROUTE
- TEMPORARY TRAFFIC CONTROL SIGN
- TEMPORARY TYPE 3 BARRICADE

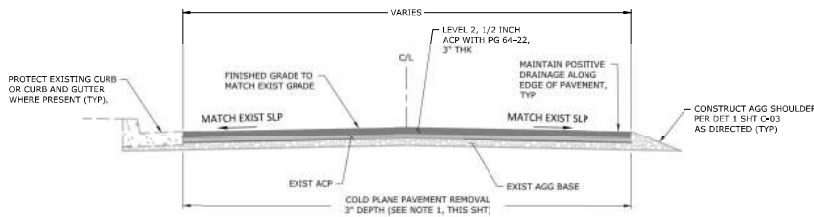


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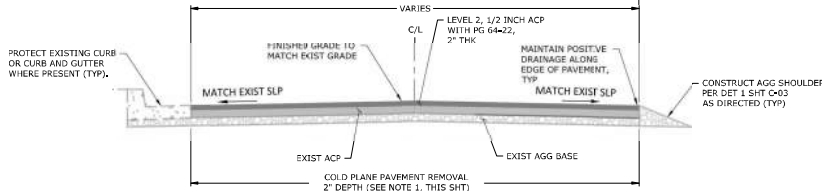
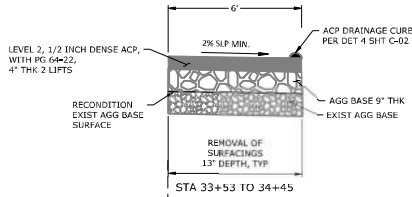
TRAFFIC CONTROL DETOUR PLAN	
OVERLAND PARK PAVING PROJECT	
CLACKAMAS COUNTY DEPT. OF TRANSPORTATION 140 BULLOCKY ROAD OREGON CITY, OR 97045	DIRECTOR DAN JOHNSON
DESIGNED BY: ARC DRAFTED BY: SEF CHECKED BY: JRG	PROJECT NO.: 23-231T DATE: APRIL 2024
SHEET NO. TC-1	

TYPICAL SECTION SHOWN

(SEE SHEET C-08 THROUGH C-11 FOR LOCATIONS OF VARIATIONS TO SECTION WIDTHS AND DIMENSIONS)



TYPICAL SECTION: 3" GRIND AND INLAY - LEVEL 2 MIXTURE
SCALE: NTS



TYPICAL SECTION: 2" GRIND AND INLAY - LEVEL 2 MIXTURE
SCALE: NTS

NOTES:

- GRINDING TO THE DEPTH SHOWN MAY RESULT IN FULL REMOVAL OF THE EXISTING ACP. CONTRACTOR SHALL RECONDITION EXISTING AGGREGATE BASE SURFACE AND CONSTRUCT ASPHALT CONCRETE PAVING REPAIR AS DIRECTED PRIOR TO PAVING. SEE PAVING DETAILS ON SHEET C-02.
- FOLLOWING INITIAL COLD PLANE PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE RECONDITIONING EXISTING AGGREGATE BASE, SPOT GRIND AND INLAY CONSTRUCTION DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR, OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-02.
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.
- CONSTRUCT ASPHALT CONCRETE PAVEMENT LEVELING COURSE AS SHOWN OR DIRECTED.



RENEWS 6-30-25

TYPICAL SECTIONS
OVERLAND PARK PAVING PROJECT
PROJECT NO: C-3-231T
DATE: APRIL 2024

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
150 BRADSHAW ROAD
OREGON CITY, OR 97045
DIRECTOR
DAN JOHNSON

DESIGNED BY:	ARC
DRAWN BY:	RPH
CHECKED BY:	ANG
NO. DATE:	
REVISIONS:	
SHEET NO.:	C-01

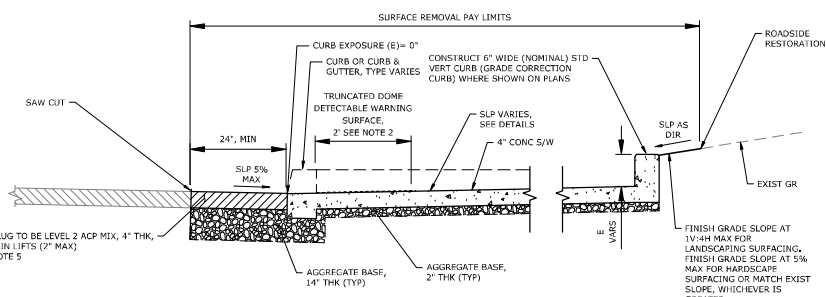
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CURB RAMP DETAILS
 OVERLAND PARK PAVING PROJECT
 DATE: APRIL 2024
 PROJECT NO: C-3-2331

CLACKAMAS COUNTY
 DEPT. OF TRANSPORTATION
 150 BEAUCHEMERE ROAD
 OREGON CITY, OR 97045
 DIRECTOR
 DAN JOHNSON

NO.	DATE	REVISIONS



SIDEWALK RAMP GENERAL NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL AMERICANS WITH DISABILITIES (ADA) REQUIREMENTS AS DEFINED BY THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE ENGINEER FOR CLARIFICATION OR CORRECTION.
- REFERENCE ODOT STANDARD DRAWINGS RD700, RD720, RD721, FOR ADDITIONAL INFORMATION.
- ALL SURVEY AND STAKING NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR. COMPLETE ALL SURVEY STAKING AS NEEDED USING INFORMATION CONTAINED IN THE PLANS AND ADJUSTED AS NECESSARY TO MEET ADA REQUIREMENTS. SURVEYED FIELD LAYOUT SHALL BE REVIEWED BY THE ENGINEER PRIOR TO CONCRETE PLACEMENT.
- THE MAXIMUM CLOSURE TIME FOR ANY SINGLE CORNER SHALL BE ONE WEEK. SUBMIT TRAFFIC CONTROL PLAN AND PEDESTRIAN ACCESS ROUTE PLAN FOR RAMP CLOSURES. PLAN SHALL INCLUDE BUT IS NOT LIMITED TO WORK AREA PROTECTION, SIDEWALK DIVERSIONS AND DETOURS.
- NOTIFY THE COUNTY WITHIN 48 HOURS OF COMPLETION OF CURB RAMP WORK FOR POST CURB RAMP INSPECTION. OBTAIN COUNTY APPROVAL PRIOR TO ASPHALT PAVING WITHIN THE ROADWAY ADJACENT TO CURBS OR ROADSIDE RESTORATION.
- COORDINATE UTILITY RELOCATIONS AND/OR ADJUSTMENTS AS NEEDED. SEE SPECIFICATIONS FOR UTILITY CONTACT INFORMATION.
- REPLACE CURBS, SIDEWALKS, AND/OR DRIVEWAY APRONS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS. REPLACE FULL SECTIONS TO THE NEAREST EXISTING CONSTRUCTION JOINT. REPLACEMENT WILL BE CONSIDERED INCIDENTAL TO THE WORK.
- PROTECT FRESHLY POURED CONCRETE FROM VANDALISM OR OTHER DAMAGE FOR A MINIMUM OF TWENTY-FOUR (24) HOURS OR UNTIL CURED ENOUGH TO SUPPORT TYPICAL USE, WHICHEVER IS LONGER. ANY CONCRETE DAMAGED BY VANDALISM OR OTHER CAUSES SHALL BE REPLACED AT NO COST TO THE COUNTY.
- ALL AREAS DISTURBED THROUGH THE CONSTRUCTION OF THE SIDEWALK RAMP SHALL BE RETURNED TO THEIR ORIGINAL CONDITION PRIOR TO PROJECT COMPLETION. THIS INCLUDES, BUT IS NOT LIMITED TO, ROADSIDE RESTORATION AROUND NEW RAMP.
- CONTRACTOR SHALL TAKE EXTRA CARE TO AVOID DAMAGING ANY IRRIGATION, WIRING, OR OTHER FACILITIES IN THE AREA TO THE NEW RAMP. ANY FACILITIES ENCOUNTERED SHALL BE RELOCATED BY THE CONTRACTOR WITHOUT DAMAGE TO AN APPROPRIATE LOCATION OUTSIDE THE RAMP/WALK AREA AT NO ADDITIONAL COST TO THE COUNTY.

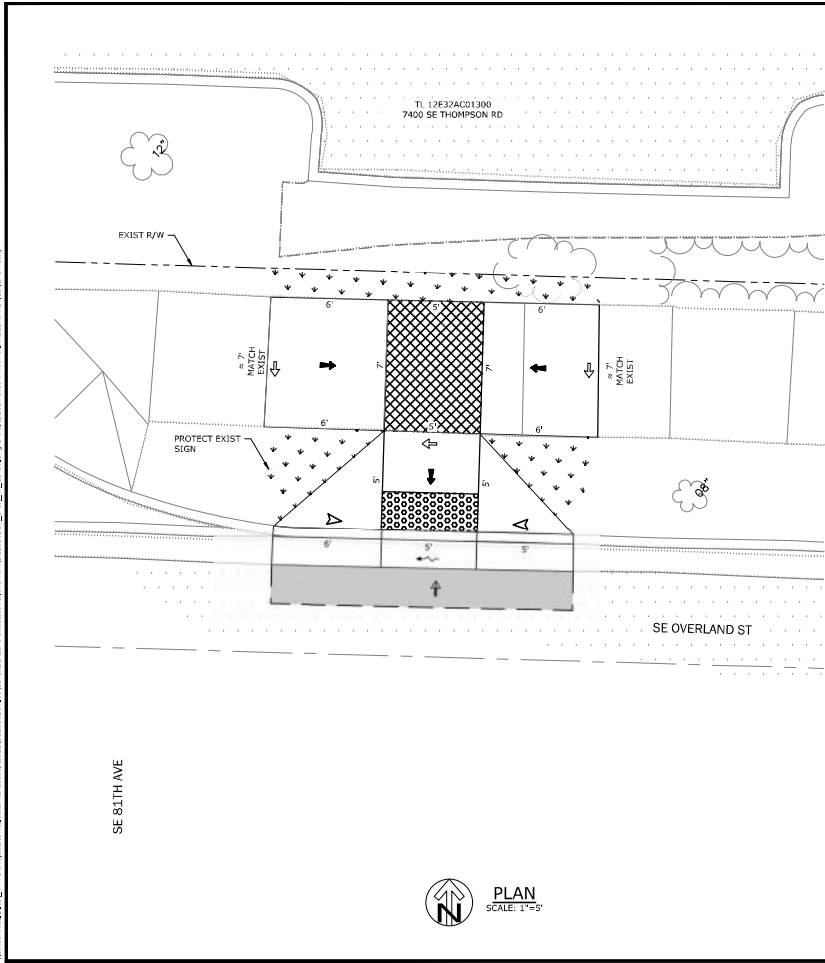
NOTES:

- TOOLED JOINTS ARE REQUIRED AT ALL SIDEWALK RAMP SLOPE BREAK LINES.
- PLACE TRUNCATED DOME DETECTABLE WARNING SURFACE IN THE LOWER 2 FEET ADJACENT TO TRAFFIC OF THROAT OF RAMP ONLY, UNLESS OTHERWISE SHOWN.













TYPICAL SIDEWALK RAMP REPLACEMENT SECTION
 SCALE: NTS



W:\consor\client\1770\project\OR\Clackamas County\2022\20220509\0101\3-ADD\1-14-24\Shelby\Drawings\20220509\20220509_0101_Curbs.rvt
 10:58:59 AM 4/25/2024 1:08:58 PM RANA-MEETOR, JALI (DPF, TEL)



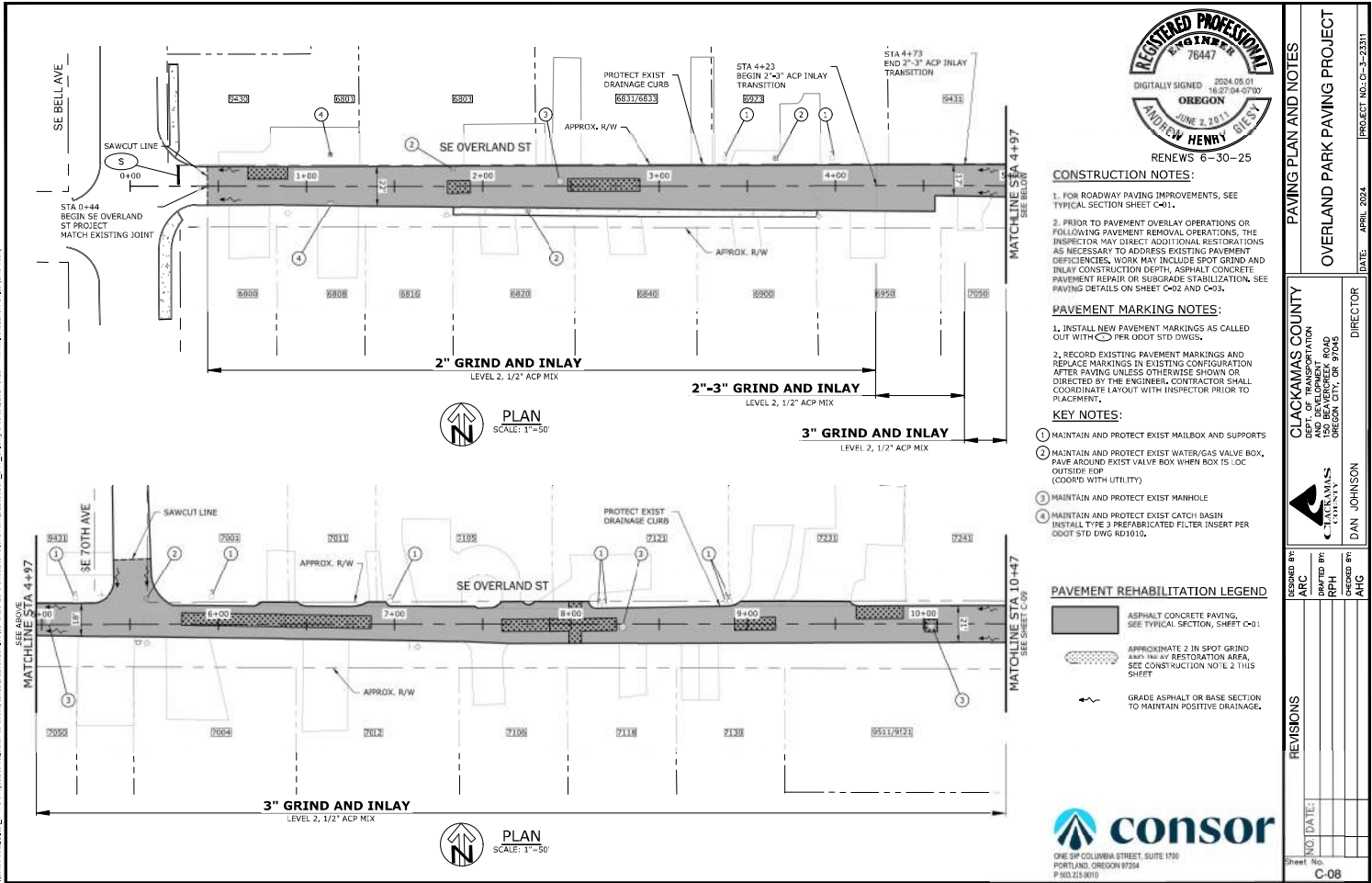
LEGEND

- 
 SLOPE 1.5% MAX.
 (MAX. 2.0% FINISHED SURFACE SLOPE)
 (NORMAL SIDEWALK CROSS SLOPE)
- 
 SLOPE 7.5% MAX.
 (MAX. 8.3% FINISHED SURFACE SLOPE)
- 
 COUNTER SLOPE
- 
 FLARE SLOPE
 (MAX. 10.0% FINISHED SURFACE SLOPE)
- 
 ROTATE FINISHED GRADE ON RAMP 1/2" TO PROVIDED 2%
 MAX SLOPE ACROSS BOTTOM RAMP
- 
 SIDEWALK TRANSITION PANEL
 (RATE OF CROSS SLOPE CHANGE IS LESS THAN OR
 EQUAL TO #0.5% PER FOOT)
- 
 SLOPE IS GREATER THAN 8.33%
 AND LENGTH AS SHOWN
 (MAX. 10.0% FINISHED SURFACE SLOPE TOLERANCE)
- 
 TRUNCATED DOME DETECTABLE WARNING SURFACE
- 
 2% MAX. SLOPE LANDING IN ALL DIRECTIONS
- 
 SAWCUT AND ACP PLUG LIMITS 2" MIN FROM FACE OF
 CURB OR GUTTER PAN TO MEET CROSS SLOPE
 REQUIREMENTS (SEE DET 1 SHT C-05).
- 
 SIDEWALK
- 
 ROADSIDE RESTORATION

PLAN
SCALE: 1"=5'



REGISTERED PROFESSIONAL ENGINEER 76447 DIGITALLY SIGNED 2024.05.01 15:28:50-0730 OREGON JUNE 2, 2017 ANDREW HENRY RENEWS 6-30-25	
CURB RAMP DETAILS OVERLAND PARK PAVING PROJECT	
CLACKAMAS COUNTY DEPT. OF TRANSPORTATION 1500 W. CLACKAMAS BLVD 1500 BROADBERRY ROAD CLACKAMAS, OREGON CITY, OR 97045	
DAN JOHNSON DIRECTOR	
NO. DATE: _____ DESIGNED BY: _____ CHECKED BY: _____ DRAWN BY: _____ INCHES BY: _____	REVISIONS: _____ _____ _____ _____ _____
Sheet No. C-07 PROJECT NO: C-3-231T DATE: APRIL 2024	



CONSTRUCTION NOTES:

1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01.
2. PRIOR TO PAVEMENT OVERLAY OPERATIONS OR FOLLOWING PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND AND INLAY CONSTRUCTION DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-02 AND C-03.

PAVEMENT MARKING NOTES:

1. INSTALL NEW PAVEMENT MARKINGS AS CALLED OUT WITH \odot PER DOT STD DWGS.
2. RECORD EXISTING PAVEMENT MARKINGS AND REPLACE MARKINGS IN EXISTING CONFIGURATION AFTER PAVING UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER. CONTRACTOR SHALL COORDINATE LAYOUT WITH INSPECTOR PRIOR TO PLACEMENT.

KEY NOTES:

1. MAINTAIN AND PROTECT EXIST MAILBOX AND SUPPORTS
2. MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX, PAVE AROUND EXIST VALVE BOX WHEN BOX IS LOC OUTSIDE TOP (COORD WITH UTILITY)
3. MAINTAIN AND PROTECT EXIST MANHOLE
4. MAINTAIN AND PROTECT EXIST CATCH BASIN INSTALL TYPE 3 PREFABRICATED FILTER INSERT PER DOT STD DWG RD1010.

PAVEMENT REHABILITATION LEGEND

- ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01
- APPROXIMATE 2 IN SPOT GRIND AND INLAY RESTORATION AREA, SEE CONSTRUCTION NO 1E 2 THIS SHEET
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



PAVING PLAN AND NOTES

OVERLAND PARK PAVING PROJECT

REGISTERED PROFESSIONAL ENGINEER 78447 OREGON ANDREW HENRY

RENEWS 6-30-25

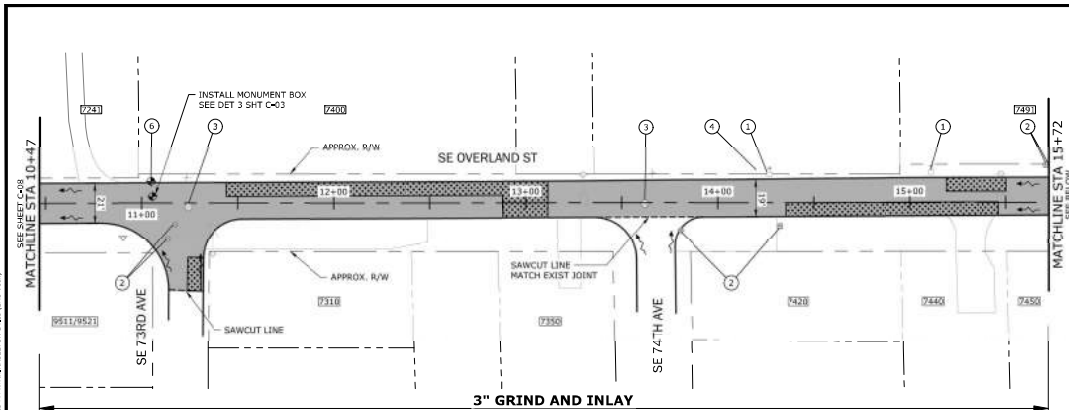
CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
1500 SE WASHINGTON ROAD
PORTLAND, OREGON 97202

DIRECTOR: DAN JOHNSON

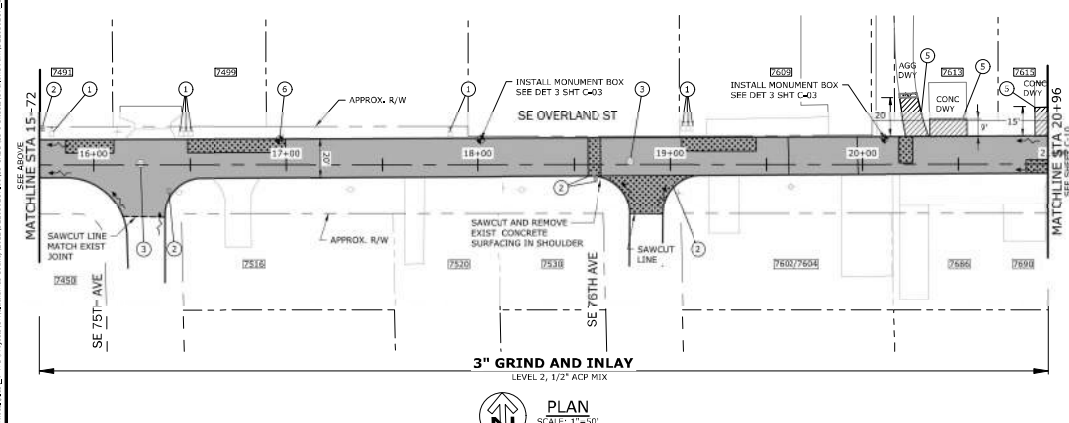
DATE: APRIL 2024 PROJECT NO: C-3-2331

REVISIONS	NO	DATE	BY	CHECKED BY

Sheet No. **C-08**



PLAN
SCALE: 1"=50'



PLAN
SCALE: 1"=50'



RENEWS 6-30-25

CONSTRUCTION NOTES:

1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01.
2. PRIOR TO PAVEMENT OVERLAY OPERATIONS OR FOLLOWING PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND AND INLAY CONSTRUCTION DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-02 AND C-03.

PAVEMENT MARKING NOTES:

1. INSTALL NEW PAVEMENT MARKINGS AS CALLED OUT WITH PER ROOT STD DWGS.
2. RECORD EXISTING PAVEMENT MARKINGS AND REPLACE MARKINGS IN EXISTING CONFIGURATION AFTER PAVING UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER. CONTRACTOR SHALL COORDINATE LAYOUT WITH INSPECTOR PRIOR TO PLACEMENT.

KEY NOTES:

1. MAINTAIN AND PROTECT EXIST MAILBOX AND SUPPORTS
2. MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX PAVE AROUND EXIST VALVE BOX WHEN BOX IS LOC OUTSIDE EOP (COORD WITH UTILITY)
3. MAINTAIN AND PROTECT EXIST MANHOLE
4. REMOVE EXIST TREE (BY COUNTY)
5. CONST ASPHALT APPROACH (SEE COUNTY DWG D506 AND DET 2 SHT C-03) (COORD LIMITS WITH INSPECTOR)
6. MAINTAIN AND PROTECT EXISTING MONUMENT PIN

PAVEMENT REHABILITATION LEGEND

- ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01
- APPROXIMATE 2 IN SPOT GRIND AND INLAY RESTORATION AREA, SEE CONSTRUCTION NOTE 2 THIS SHEET
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.
- ASPHALT APPROACH, SEE DET 3 SHT C-03



PAVING PLAN AND NOTES
OVERLAND PARK PAVING PROJECT

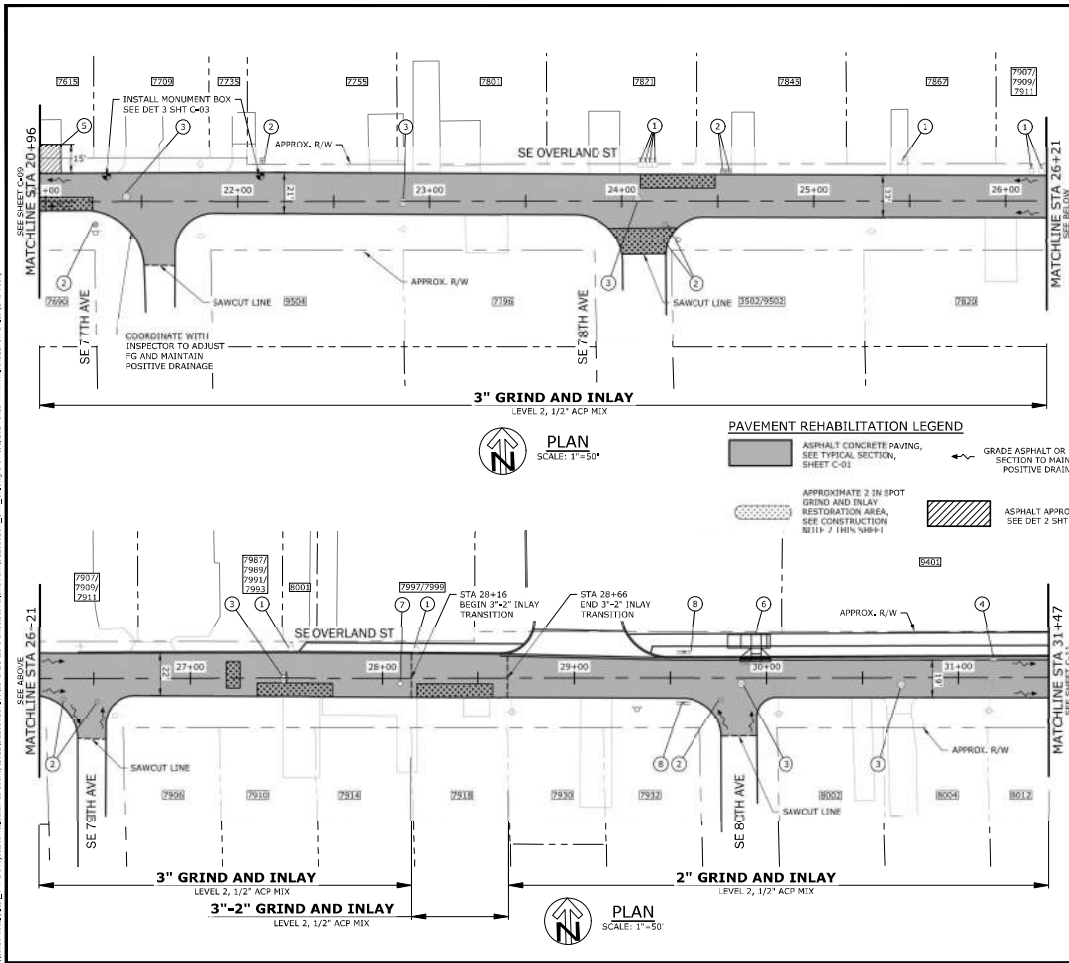
CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
15000 SE WILSON ROAD
GRESHAM, OREGON 97030

DIRECTOR
DAN JOHNSON

REVISIONS	NO	DATE	BY	CHECKED BY

Sheet No. **C-09**

V:\projects\2022\20220620\20220620_001\20220620_001_001.dwg DATE: 11/20/24 1:13:39 PM BY: ANDREW HENRY, P.E. (LMS 76447)



RENEWS 6-30-25

- CONSTRUCTION NOTES:**
1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01.
 2. PRIOR TO PAVEMENT OVERLAY OPERATIONS OR FOLLOWING PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND AND INLAY CONSTRUCTION DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-02 AND C-03.

- PAVEMENT MARKING NOTES:**
1. INSTALL NEW PAVEMENT MARKINGS AS CALLED OUT WITH C PER DOTD STD DWG 8010.0.
 2. RECORD EXISTING PAVEMENT MARKINGS AND REPLACE MARKINGS IN EXISTING CONFIGURATION AFTER PAVING UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER. CONTRACTOR SHALL COORDINATE LAYOUT WITH INSPECTOR PRIOR TO PLACEMENT.

- KEY NOTES:**
1. MAINTAIN AND PROTECT EXIST MAILBOX AND SUPPORTS
 2. MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX. PAVE AROUND EXIST VALVE BOX WHEN BOX IS LOC OUTSIDE EOP (COORD WITH UTILITY)
 3. MAINTAIN AND PROTECT EXIST MANHOLE
 4. MAINTAIN AND PROTECT EXIST CATCH BASIN. INSTALL TYPE 3 PREFABRICATED FILTER INSERT PER DOTD STD DWG 8010.0.
 5. CONST ASPHALT APPROACH: SEE COUNTY DWG 0500 AND DET 2 SHT C-03 (COORD LIMITS WITH INSPECTOR)
 6. CONSTRUCT CONC RAMP PER DETAIL SHEETS C-05 THROUGH C-07
 - REMOVE EXIST SURFACINGS
 - CONSTRUCT AGG BASE
 - CONSTRUCT CURB AND GUTTER (E=6", PAN=18")
 - CONSTRUCT CONCRETE S/W
 - INSTALL TRUNCATED DOMES
 - CONSTRUCT ACP PLUG
 - RESTORE EXIST ROADSIDE SURFACINGS
 7. MAINTAIN AND PROTECT EXISTING CLEANOUT
 8. INSTALL CROSSWALK CLOSURE BARRICADE WITH SIGNS



PAVING PLAN AND NOTES

OVERLAND PARK PAVING PROJECT

CLACKAMAS COUNTY
 DEPT. OF TRANSPORTATION
 1500 NE CLACKAMAS AVENUE
 PORTLAND, OREGON 97232

DIRECTOR
 DAN JOHNSON

PROJECT NO: C-3-2331
 DATE: APRIL 2024

ISSUED BY: ARC
 DRAWN BY: RPH
 CHECKED BY: ANG

NO DATE: _____

Sheet No. **C-10**

Oregon Department of Transportation 48HR. Work Notice

District 2B Permit Work Information

Permit #: 2BM48381

Please return this form via email to address shown at right:
Or Fax to 503.653.5655

d2bup@odot.oregon.gov (District 2B Permitting)

Applicant Name: _____

Received Info From: _____

Phone: _____

Contractor: _____

Contractor Contact: _____

Contractor Phone: _____

24-Hr Emergency#: _____

Highway Name & Route #: _____ #: _____

Mile points: _____ -- _____ (On Permit)

Direction of Travel: _____

Nature of work being done: _____

Is a Traffic Signal shut off required (Yes / No)?

Signal shut off 72 hour Notice submitted? Yes No

Type of traffic control / restriction / lane closures: _____

Work Duration (Start/Finish Dates and Work Hours): Dates: Start: _____ Finish: _____

Hours: Start: _____ Finish: _____

Will Traffic impacts remain in place after work hours (i.e. steel plates, cones, etc.)?

No?

Yes? If "yes" please explain: _____

NOTICE:

All sections must be completed.
Forms with incomplete or inaccurate
information will be returned for correction.
Strikethrough or "N/A" sections which do not apply.

CLACKAMAS COUNTY
DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
 PLANS FOR PROPOSED PROJECT
 ASPHALT OILING & PAVING, AND TEMPORARY TRAFFIC CONTROL



OVERLAND PARK PAVING PROJECT
 CI-3-23311

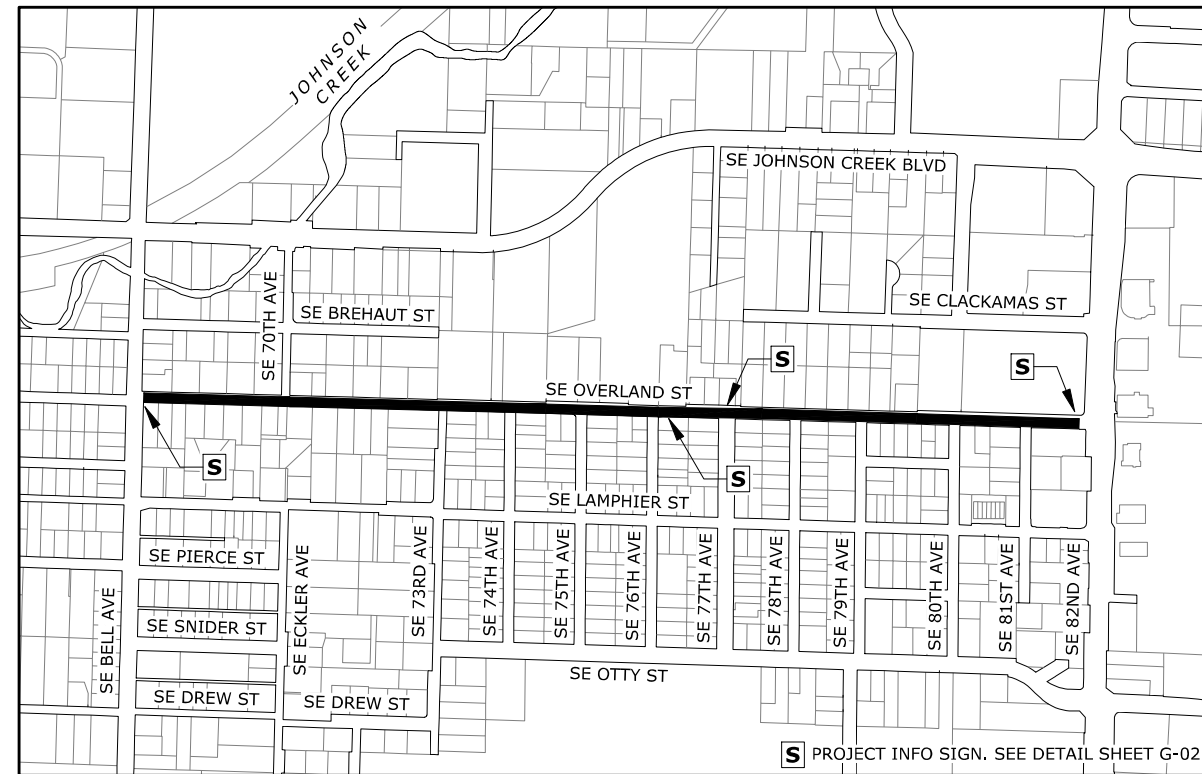
COVER SHEET

OVERLAND PARK PAVING PROJECT

PROJECT NO.: CI-3-23311
 DATE: APRIL 2024

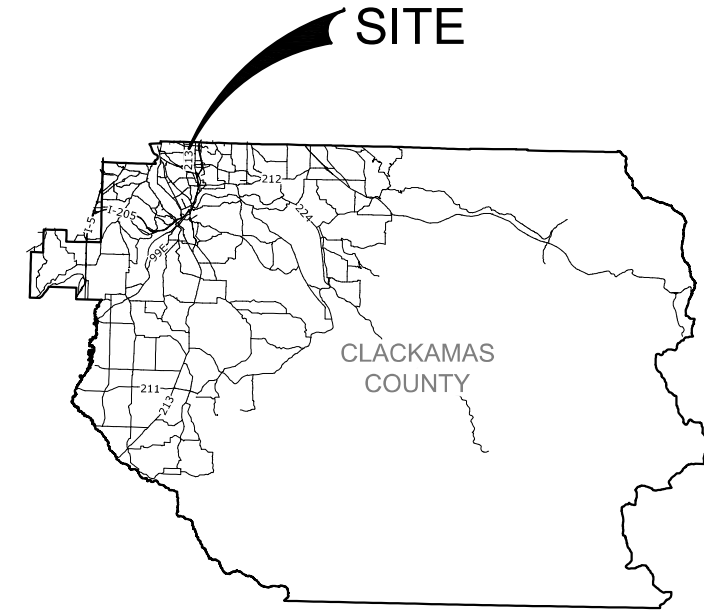
INDEX OF SHEETS	
G-01	COVER SHEET
G-02	GENERAL NOTES AND LEGEND
TC1	TRAFFIC CONTROL DETOUR PLAN
C-01	TYPICAL SECTIONS
C-02 TO C-04	PAVING DETAILS
C-05 TO C-07	CURB RAMP DETAILS
C-08 TO C-11	PAVING PLAN AND NOTES

CLACKAMAS COUNTY OREGON



VICINITY MAP
 NOT TO SCALE

T. 1S, R. 2E SEC. 29



Know what's below.
 Call before you dig.

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 952-001-0100. YOU MAY OBTAIN COPIES OF THE RULES FROM THE CENTER OR ANSWERS TO QUESTIONS ABOUT THE RULES BY CALLING (503) 232-1987.



CLACKAMAS COUNTY
 DEPT. OF TRANSPORTATION AND DEVELOPMENT
 150 BEAVERCREEK ROAD
 OREGON CITY, OR 97045

DAN JOHNSON
 DIRECTOR

DESIGNED BY: ARC
 DRAFTED BY: RPH
 CHECKED BY: AHG

REVISIONS

NO. DATE: _____
 Sheet No.
G-01

GENERAL NOTES:

- INSTALL FOUR SETS (2 SIGNS PER SET) OF TEMPORARY PROJECT SIGNS PRIOR TO COMMENCING WITH WORK. MOUNT PAVING AND PROJECT NOTIFICATION SIGNS TO TEMPORARY SIGN SUPPORTS PER ODOT STD DWG TM821 OR TM822. INSTALL AT LOCATIONS SHOWN ON SHEET G-1. COORDINATE FINAL LOCATION WITH INSPECTOR. SEE PROJECT SIGN DETAILS, THIS SHEET.

VERTICAL DATUM AND BASIS OF BEARINGS:

- ALL PLAN INFORMATION IS BASED ON CLACKAMAS COUNTY GIS DATA AND AERIAL PHOTOS, WHICH IS APPROXIMATE.

RIGHT-OF-WAY REPRESENTATION:

- ALL LINE-WORK SHOWN RELATING PROPERTY BOUNDARY TO SCAN DATA IS FOR GRAPHICAL REPRESENTATION ONLY. ANY APPARENT DISCREPANCIES BETWEEN SAID DATA WILL REQUIRE FIELD VERIFICATION THROUGH A PROPER RIGHT-OF-WAY RESOLUTION.

PAVEMENT REMOVAL, GRADING AND PAVING NOTES:

- WHERE PAVEMENT IS REPLACED TO MATCH EXISTING GRADE AT THE CENTERLINE/ROADWAY CROWN AND ADJACENT TO THE EXISTING CURB/EDGE OF PAVEMENT, CONTRACTOR SHALL:
 - MARK EXISTING CURB FLOW LINE WITH PAINT PRIOR TO AC SURFACING REMOVAL TO DOCUMENT EXISTING PAVEMENT ELEVATION AND CURB EXPOSURE.
 - SURVEY THE EXISTING ROADWAY CROWN, GRADE BREAKS, EDGE OF PAVEMENT (AS NECESSARY) AND ANY OTHER LOCATIONS AS NECESSARY TO RE-ESTABLISH THE EXISTING ROAD GRADE. EXISTING ELEVATIONS SHALL BE COLLECTED AT A MINIMUM DISTANCE OF 25 FEET ALONG THE FULL STREET ALIGNMENT.
 - SURVEY INFORMATION SHALL BE USED TO PROVIDE CONSTRUCTION STAKING, AS NECESSARY, DURING FINAL GRADE PRIOR TO PAVING.
- WHERE AGGREGATE BASE IS EXPOSED FROM GRINDING OR REPAIR OPERATIONS AND PRIOR TO PAVING, RECONDITION AND PREPARE THE EXISTING AGGREGATE BASE SURFACE.
- PRIOR TO ASPHALT INLAY ALONG PAVEMENT REMOVAL SECTIONS, GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.
- PRIOR TO MAINLINE PAVING OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND (MAX 2" DEPTH) AND INLAY DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. CONTRACTOR SHALL SHOW APPROPRIATE TIME AND RESOURCES IN THE PROJECT SCHEDULE TO COMPLETE THIS WORK.
- GRADE ASPHALT TO MAINTAIN POSITIVE DRAINAGE.
- CONSTRUCT ASPHALT CONCRETE PAVEMENT LEVELING COURSE AS SHOWN OR DIRECTED.



PILOT CAR SIGN

NOTES:

- SIGN SHALL BE PLACED AT EACH DRIVEWAY APPROACH WHEN A PILOT CAR IS USED.
- SIGN SHALL CONFORM TO ODOT DRAWING CR4-20 OR CR4-20A.

SIGN NOTES:

- SIGNS TO BE ORANGE BACKGROUND WITH BLACK LETTERING AND BORDERS.
- TEXT FONT TO BE FHWA C.
- COUNTY LOGO TO COMPLY WITH SPECIFICATIONS IN THE COUNTY BRAND GUIDE: [HTTP://WEB1.CLACKAMAS.US/PGA/LOGO.HTML#GUIDE](http://web1.clackamas.us/pg/logo.html#guide).
- CONTRACTOR'S APPROVED SCHEDULE TO DETERMINE DATES ON PROJECT NOTIFICATION SIGN.

TRAFFIC CONTROL GENERAL NOTES:

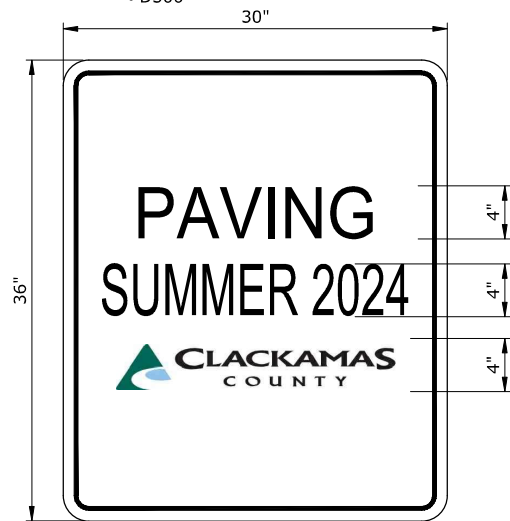
- CONTRACTOR SHALL FOLLOW AN APPROVED PHASING PLAN THAT MEETS THE MINIMUM REQUIREMENTS AS SET FORTH IN THE CONTRACT DOCUMENTS. ANY PROPOSED PHASING THAT CONFLICTS WITH REQUIREMENTS NOTED BELOW OR ELSEWHERE IN THE CONTRACT DOCUMENTS, SHALL BE APPROVED IN WRITING BY THE COUNTY PRIOR TO BEGINNING WORK.
- CONTRACTOR SHALL PHASE AND COORDINATE CONSTRUCTION TO MINIMIZE DELAYS AND IMPACTS TO PUBLIC TRAFFIC, PUBLIC SERVICES (GARBAGE, MAIL, ETC.) AND PROPERTY ACCESS.
- CONTRACTOR SHALL PREPARE A DETAILED TRAFFIC CONTROL PLAN CONFORMING TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE MUTCD AND THESE CONTRACT DOCUMENTS.
- MAINTAIN ACCESS TO ADJOINING PROPERTIES AT ALL TIMES. PROVIDE ADVANCED NOTICE OF ALL ROAD CLOSURES TO RESIDENTS, PUBLIC SERVICES, AND EMERGENCY SERVICES.
- TRAFFIC CONTROL PLANS TO BE ACCOMPANIED BY ODOT STANDARD DRAWING NOS. TM800, TM820, TM821, TM822, TM840, TM841, TM844, AND TM850.
- UNLESS OTHERWISE SHOWN, USE "MINIMUM LENGTHS TABLE" ON DRAWING NO. TM800 TO DETERMINE TAPER LENGTH "L" AND BUFFER LENGTH "B".
- TO DETERMINE SIGN SPACING, USE "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" ON DRAWING NO. TM800.
- MAINTAIN PEDESTRIAN ACCESS WITHIN CONSTRUCTION LIMITS.
- COOPERATE AND COORDINATE WITH RESIDENTS AND BUSINESSES WHEN WORKING NEAR AFFECTED ACCESS POINTS.

ODOT STANDARD DRAWINGS:

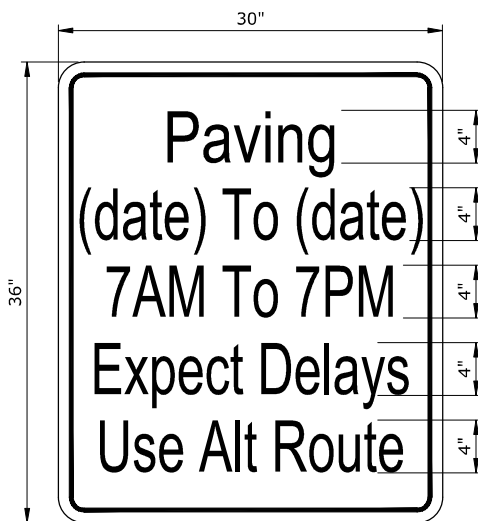
- RD610
- RD930
- TM821
- RD615
- RD1010
- TM822
- RD700
- TM240
- TM840
- RD720
- TM500
- TM841
- RD721
- TM503
- TM844
- RD900
- TM530
- TM844
- RD901
- TM800
- TM850
- RD910
- TM820

COUNTY STANDARD DRAWINGS

- M100
- SWM-27
- D500



PAVING SIGN



PROJECT NOTIFICATION SIGN

TEMPORARY PROJECT SIGN DETAIL

SCALE: NTS

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
ACP	ASPHALTIC CONCRETE PAVEMENT
ADJ	ADJACENT
AGG	AGGREGATE
APPRX	APPROXIMATE
BFILL	BACKFILL
C/L	CENTERLINE
CI	CAST IRON
CIP	CAST IN PLACE
CONC	CONCRETE
DI	DUCTILE IRON
DET	DETAIL
DWG	DRAWING
DWY	DRIVEWAY
EOP	EDGE OF PAVEMENT
EXIST	EXISTING
GR	GROUND/GRADE
HORIZ	HORIZONTAL
IE	INVERT ELEVATION
LOC	LOCATION
MAX	MAXIMUM
MIN	MINIMUM
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
NORM	NORMAL
ODOT	OREGON DEPARTMENT OF TRANSPORTATION
PC	POINT OF CURVE
PVMT	PAVEMENT
R/W	RIGHT-OF-WAY
S/W	SIDEWALK
SD	STORM DRAIN

SHT	SHEET
STA	STATION
STD	STANDARD
THK	THICK/THICKNESS
TYP	TYPICAL
W	WATER
W/W	WITH
WES	WATER ENVIRONMENTAL SERVICES
SLP	SLOPE

TOPOGRAPHIC LEGEND

EXISTING PROPERTY ADDRESS	#####
EXISTING CENTERLINE	----
EXISTING PROPERTY LINE (BASED ON GIS)	----
EXISTING RIGHT-OF-WAY (BASED ON GIS)	----
EXISTING CURB	====
EXISTING SIDEWALK	==== S/W
EXISTING ASPHALT CONCRETE	=====
EXISTING ASPHALT CONCRETE DRIVEWAY	=====
EXISTING CONCRETE	=====
EXISTING PAVERS	=====
EXISTING GRAVEL	=====
EXISTING MANHOLE	⊙
EXISTING CLEAN-OUT	○
EXISTING CATCH BASIN/FIELD INLET	⊞
EXISTING ROOF DRAIN	⊞
EXISTING VALVE	⊗
EXISTING FIRE HYDRANT	⊙
EXISTING WATER METER	⊙
EXISTING MAIL BOX	⊞
EXISTING BENCHMARK OR MONUMENT	⊙
EXISTING COMMUNICATIONS RISER	⊞
EXISTING UTILITY POLE/STREET LIGHT	⊙
EXISTING UTILITY POLE GUY WIRE	↑
EXISTING LIGHT	⊙
EXISTING UTILITY PULL BOX	⊞
PROPOSED SAWCUT	----



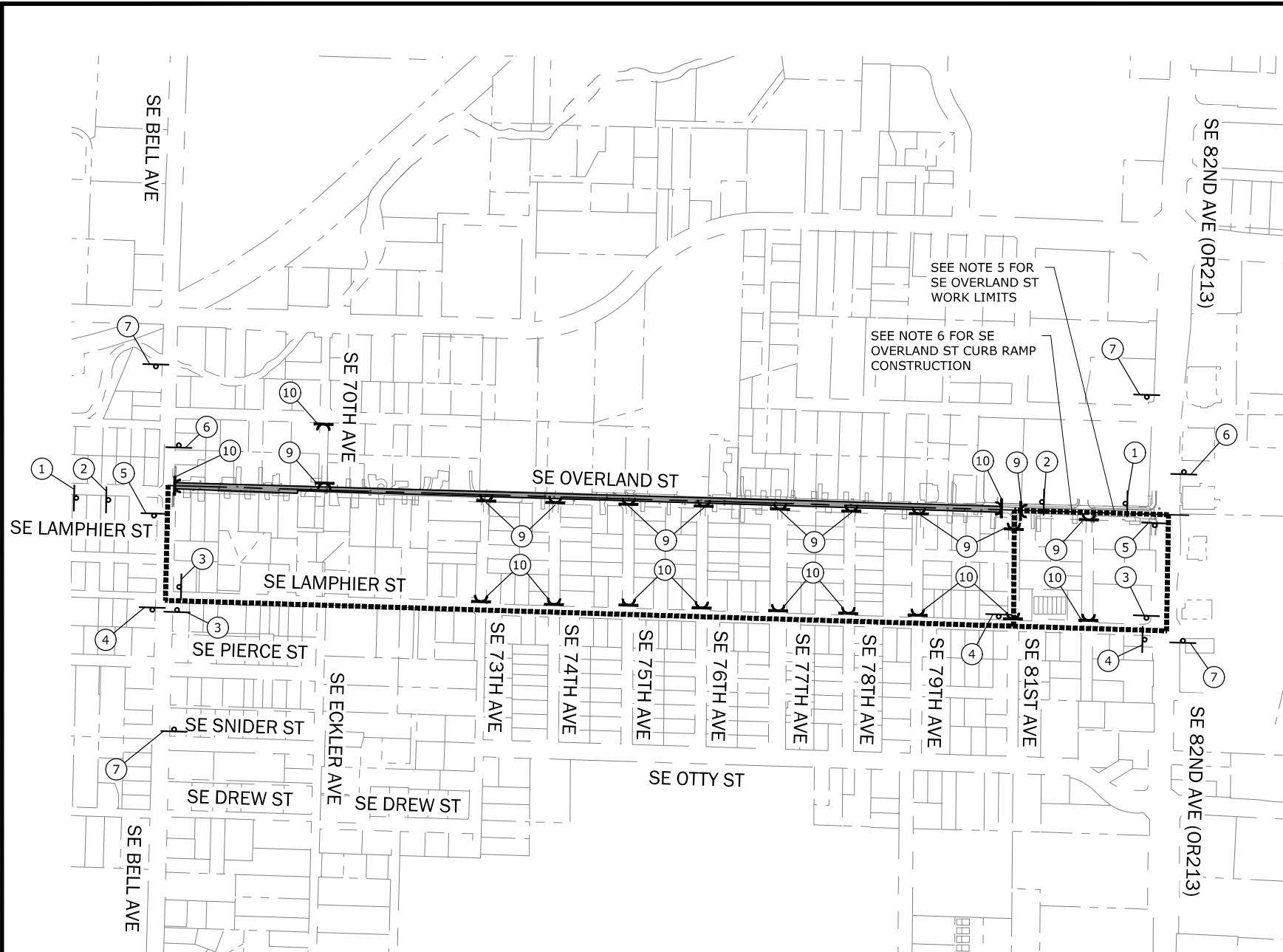
GENERAL NOTES AND LEGEND
OVERLAND PARK PAVING PROJECT
 PROJECT NO.: CI-3-23311
 DATE: APRIL 2024

CLACKAMAS COUNTY
 DEPT. OF TRANSPORTATION AND DEVELOPMENT
 150 BEAVERCREEK ROAD
 OREGON CITY, OR 97045
DAN JOHNSON
 DIRECTOR

DESIGNED BY:	ARC
DRAFTED BY:	RPH
CHECKED BY:	AHG
NO. DATE:	
Sheet No.	G-02



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



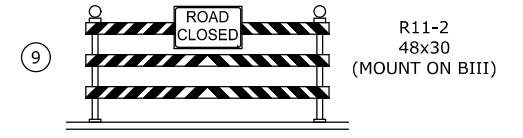
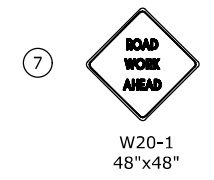
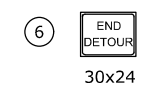
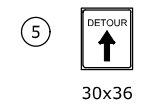
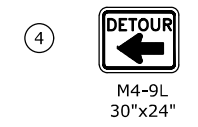
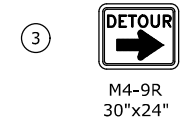
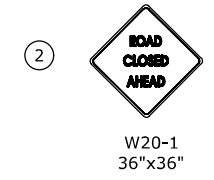
 **PLAN**
SCALE: 1"=500'

GENERAL NOTES:

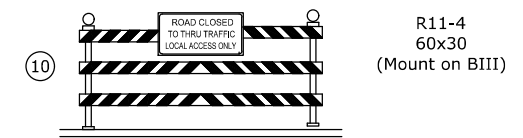
1. TO DETERMINE SIGN SPACING, TAPER AND BUFFER LENGTHS, SEE ODOT STANDARD DRAWING NO. TM800.
2. ADVANCE WARNING SIGN LOCATIONS MAY VARY BASED ON LIMITS OF ACTIVE CONSTRUCTION.
3. FOR DETAILS NOT SHOWN, SEE ODOT STANDARD DRAWINGS NOS. TM800, TM821, TM822, AND TM840.
4. ANY PROPOSED CHANGES TO DETOUR SHOWN TO BE APPROVED BY CLACKAMAS COUNTY DTD, AS REQUIRED.
5. ALLOW WESTBOUND TRAFFIC ON SE OVERLAND ST ACCESS FROM SE 82ND AVE (OR213) AT ALL TIMES BETWEEN SE 80TH AVE AND SE 82ND AVE (OR213). ROAD CLOSED TO EASTBOUND TRAFFIC DURING CONSTRUCTION.
6. TEMPORARY PEDESTRIAN ACCESS ROUTE DIVERSION TO BE ESTABLISHED FOR CURB RAMP CONSTRUCTION PER ODOT STANDARD DRAWINGS TM844 AND TM845

LEGEND

-  WORK ZONE
-  DETOUR ROUTE
-  TEMPORARY TRAFFIC CONTROL SIGN
-  TEMPORARY TYPE 3 BARRICADE



TEMPORARY TYPE 3 BARRICADE
SCALE: NTS



TEMPORARY TYPE 3 BARRICADE
SCALE: NTS



TRAFFIC CONTROL DETOUR PLAN
OVERLAND PARK PAVING PROJECT
DATE: APRIL, 2024 PROJECT NO.: CI-3-23311

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045
DAN JOHNSON
DIRECTOR

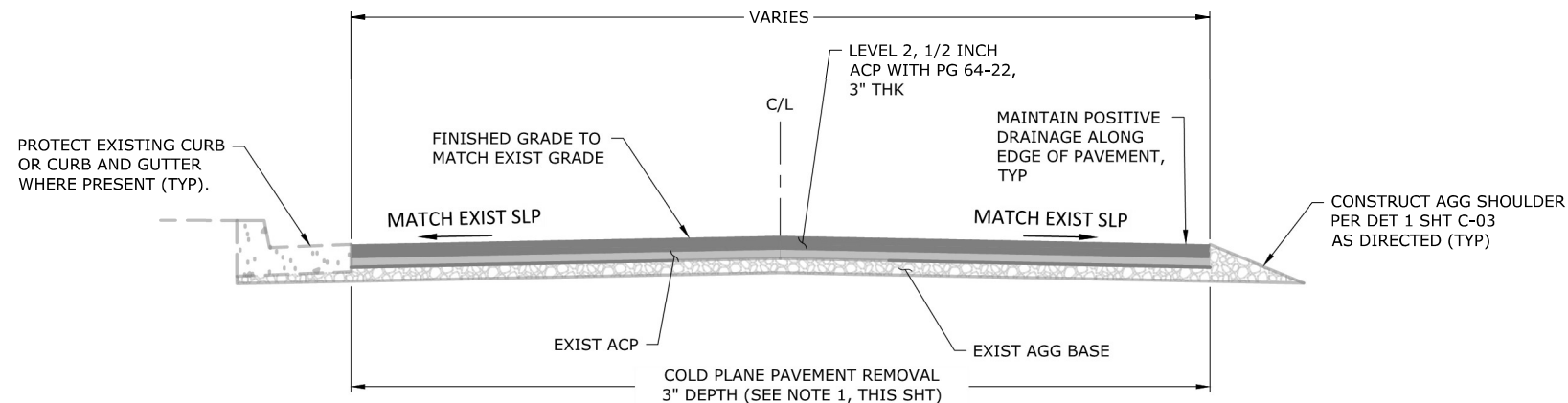
DESIGNED BY: **ARC**
DRAFTED BY: **SEF**
CHECKED BY: **AHG**

NO.	DATE:	REVISIONS

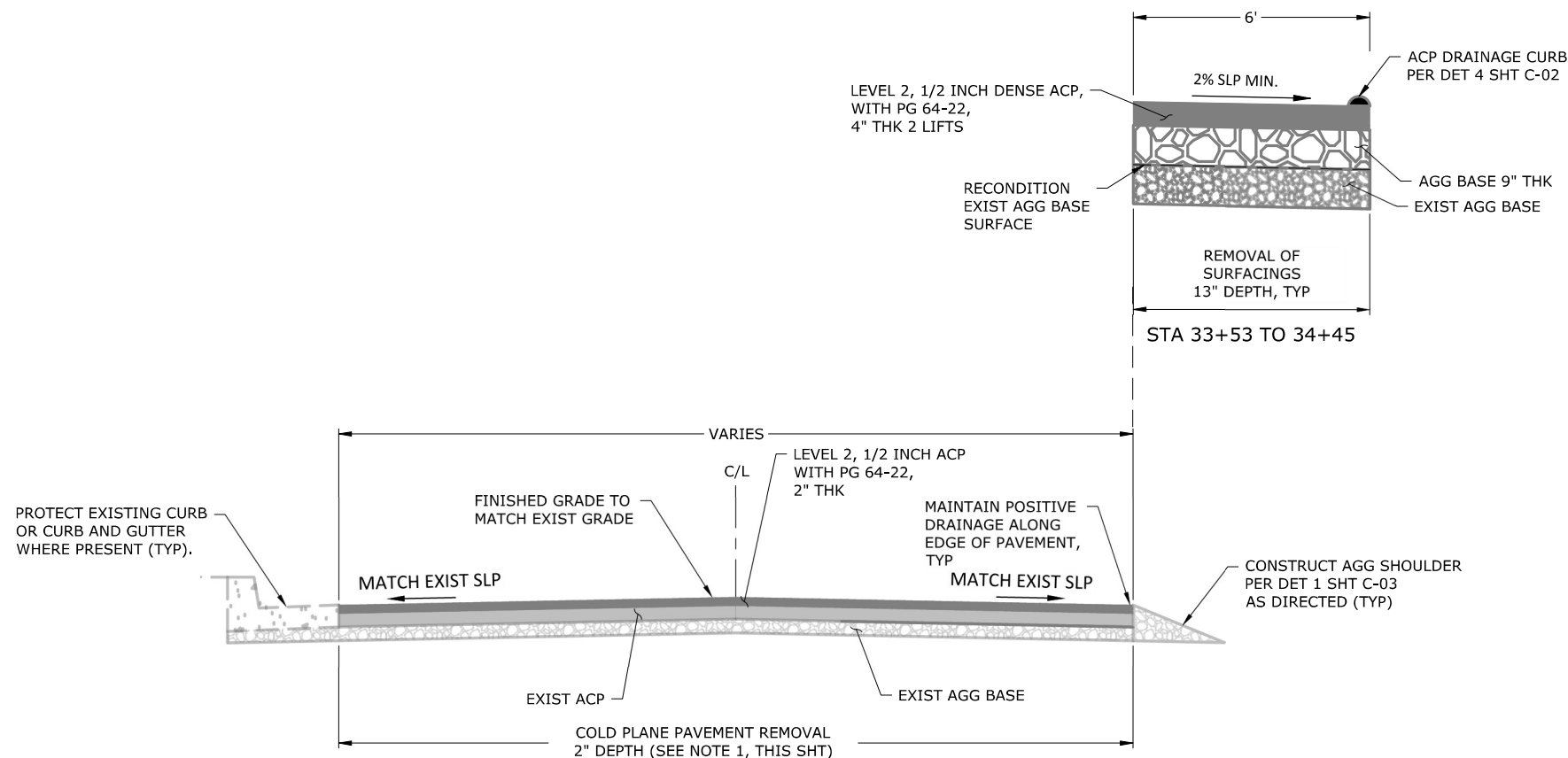


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TYPICAL SECTION SHOWN
(SEE SHEET C-08 THROUGH C-11 FOR LOCATIONS OF VARIATIONS TO SECTION WIDTHS AND DIMENSIONS)



TYPICAL SECTION: 3" GRIND AND INLAY - LEVEL 2 MIXTURE
SCALE: NTS



TYPICAL SECTION: 2" GRIND AND INLAY - LEVEL 2 MIXTURE
SCALE: NTS

NOTES:

- GRINDING TO THE DEPTH SHOWN MAY RESULT IN FULL REMOVAL OF THE EXISTING ACP. CONTRACTOR SHALL RECONDITION EXISTING AGGREGATE BASE SURFACE AND CONSTRUCT ASPHALT CONCRETE PAVING REPAIR AS DIRECTED PRIOR TO PAVING. SEE PAVING DETAILS ON SHEET C-02.
- FOLLOWING INITIAL COLD PLANE PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE RECONDITIONING EXISTING AGGREGATE BASE, SPOT GRIND AND INLAY CONSTRUCTION DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR, OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-02.
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.
- CONSTRUCT ASPHALT CONCRETE PAVEMENT LEVELING COURSE AS SHOWN OR DIRECTED



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PORTLAND, OREGON 97204
P 503.225.9010



TYPICAL SECTIONS

OVERLAND PARK PAVING PROJECT

CLACKAMAS COUNTY

DEPT. OF TRANSPORTATION AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045



DAN JOHNSON

DIRECTOR

DESIGNED BY: ARC
DRAFTED BY: RPH
CHECKED BY: AHG

REVISIONS

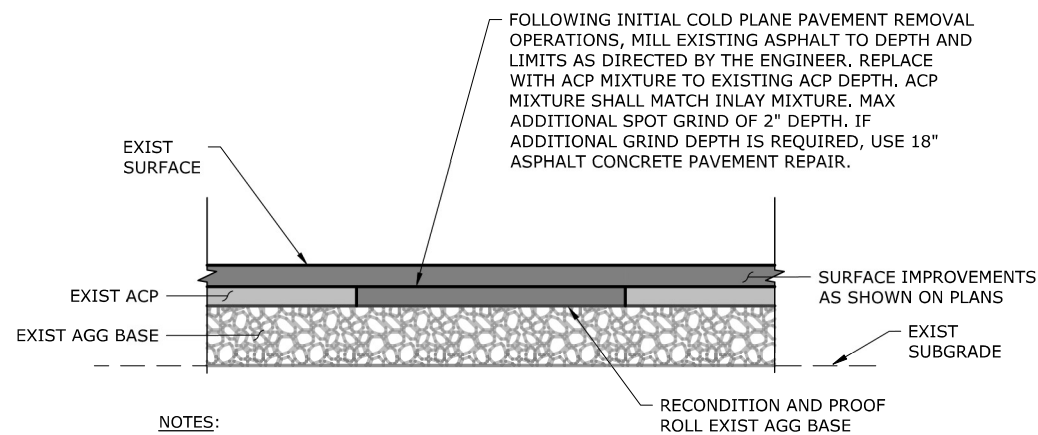
NO.	DATE:

Sheet No.

C-01

PROJECT NO.: CI-3-23311
DATE: APRIL 2024

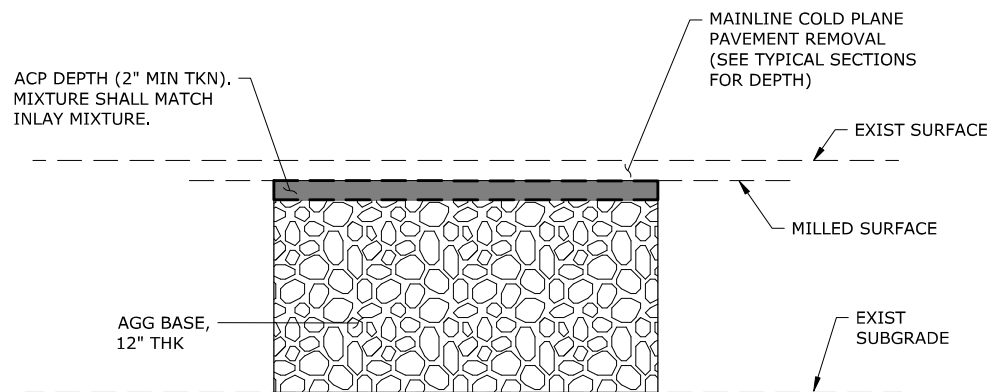
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NOTES:

1. LOCATION AS DIRECTED BY THE ENGINEER.
2. LOCATIONS MAY REQUIRE ASPHALT CONCRETE PAVEMENT REPAIR AND/OR SUBGRADE STABILIZATION IF SOFT AT DEPTH.

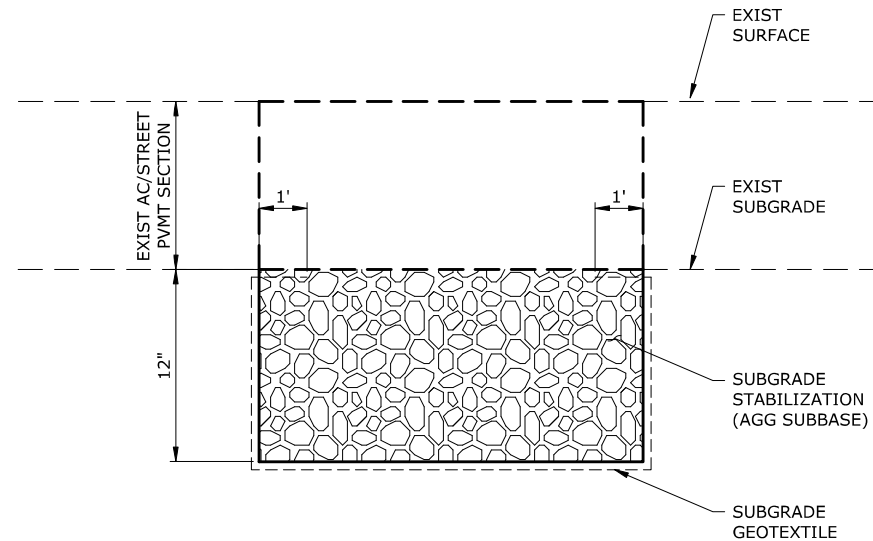
ACP SPOT GRIND AND INLAY (1)
SCALE: NTS



NOTES:

1. LOCATION AS DIRECTED BY THE ENGINEER.
2. LOCATIONS MAY REQUIRE SUBGRADE STABILIZATION IF SOFT AT DEPTH.

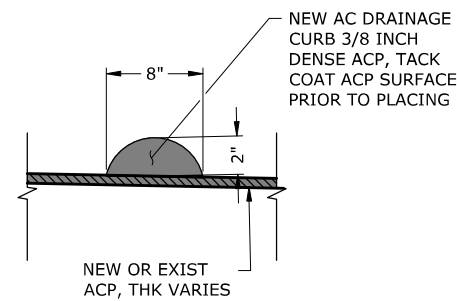
14-INCH ASPHALT CONCRETE PAVEMENT REPAIR (2)
SCALE: NTS



NOTES:

1. LOCATION AS DIRECTED BY THE ENGINEER.
2. TO BE USED WHEN PREVIOUS PAVEMENT ACTIVITIES REVEAL POOR SUBGRADE CONDITIONS OR AS DIRECTED BY THE ENGINEER.

12-INCH SUBGRADE STABILIZATION (3)
SCALE: NTS

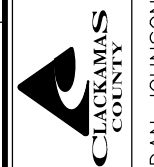


AC DRAINAGE CURB (4)
SCALE: NTS



PAVING DETAILS

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045



DAN JOHNSON
DIRECTOR

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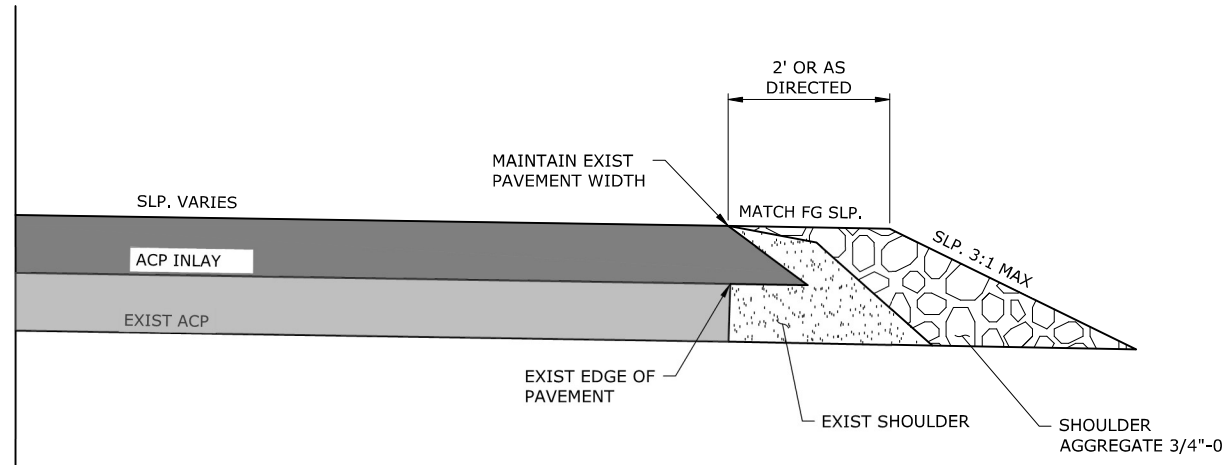
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Sheet No.
C-02



PROJECT NO.: CI-3-23511
DATE: APRIL, 2024

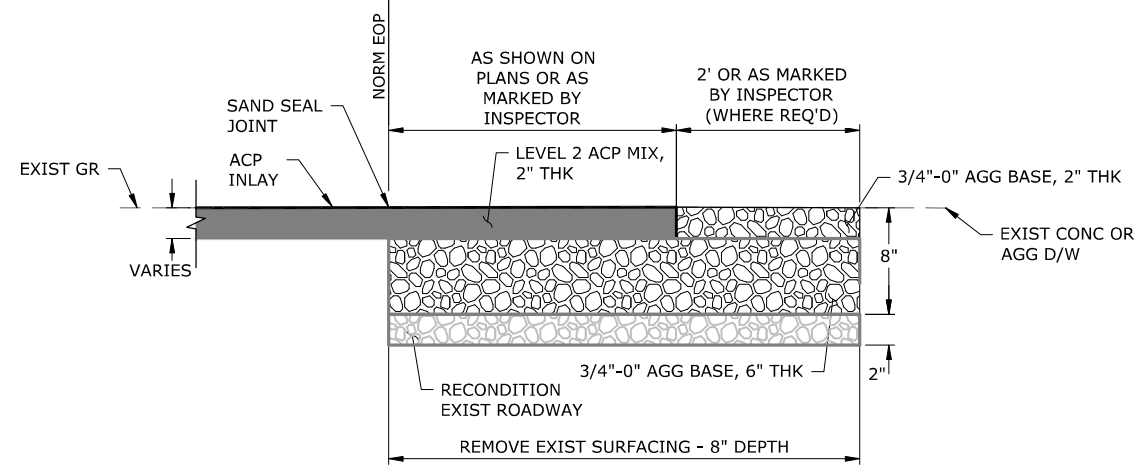
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AGGREGATE SHOULDER DETAIL

SCALE: NTS

1



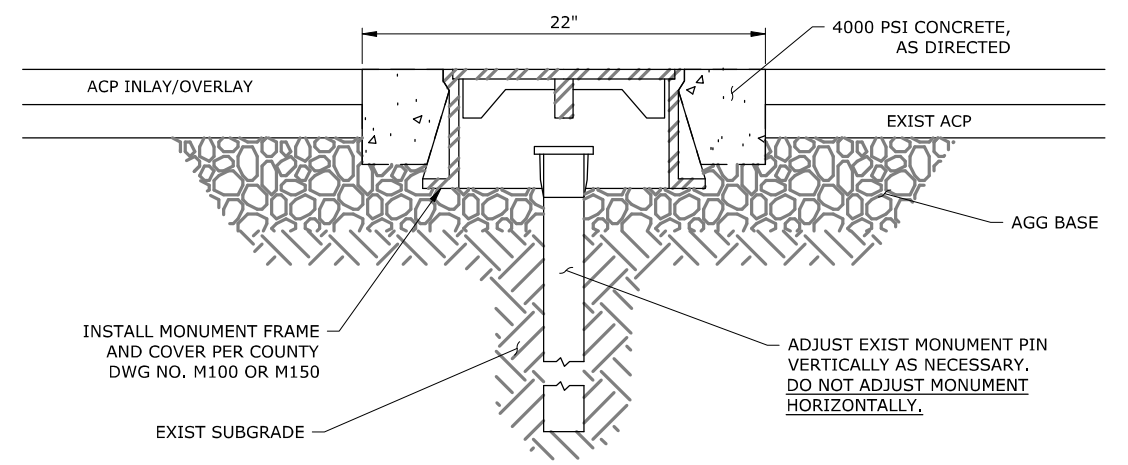
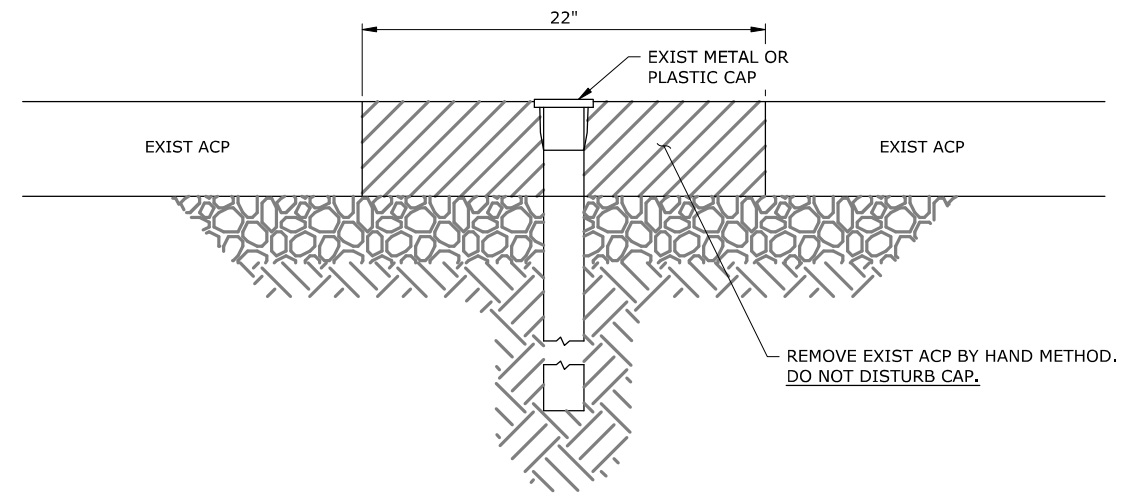
ASPHALT DRIVEWAY APPROACH

SCALE: NTS

2

NOTES:

- 1. FOR DETAILS NOT SHOWN, SEE COUNTY DWG NO. D500



MONUMENT BOX INSTALLATION

SCALE: NTS

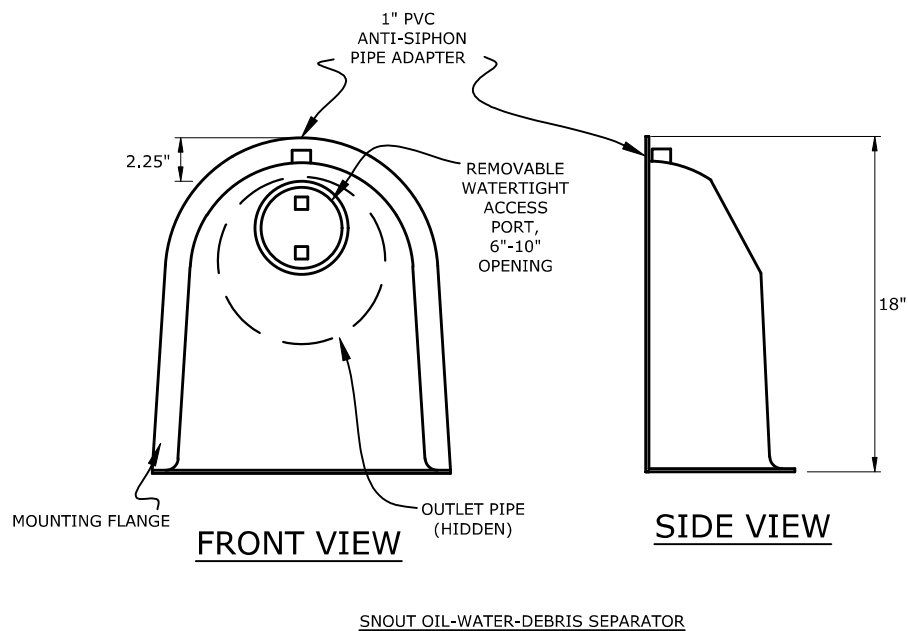
3

PAVING DETAILS	
OVERLAND PARK PAVING PROJECT	
<p>CLACKAMAS COUNTY DEPT. OF TRANSPORTATION AND DEVELOPMENT 150 BEAVERCREEK ROAD OREGON CITY, OR 97045</p>	<p style="text-align: center;">DIRECTOR DAN JOHNSON</p>
DESIGNED BY: ARC	CHECKED BY: AHG
DRAFTED BY: RPH	
REVISIONS	
NO.	DATE:
Sheet No. C-03	

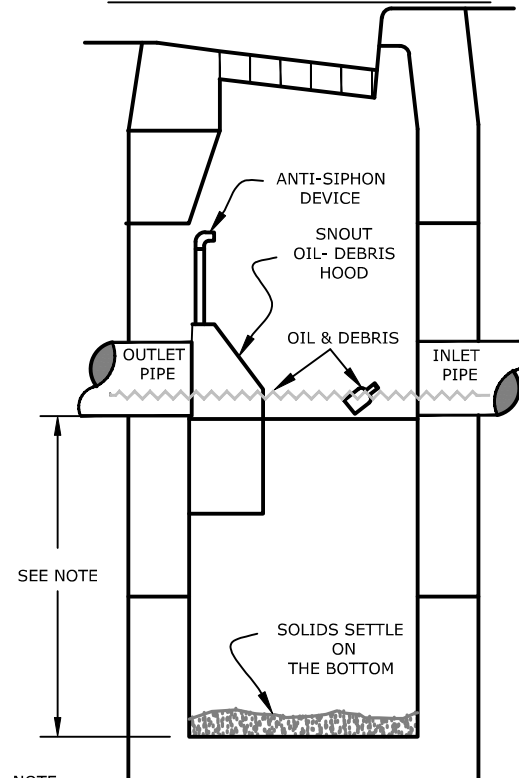


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CONFIGURATION DETAIL



TYPICAL INSTALLATION



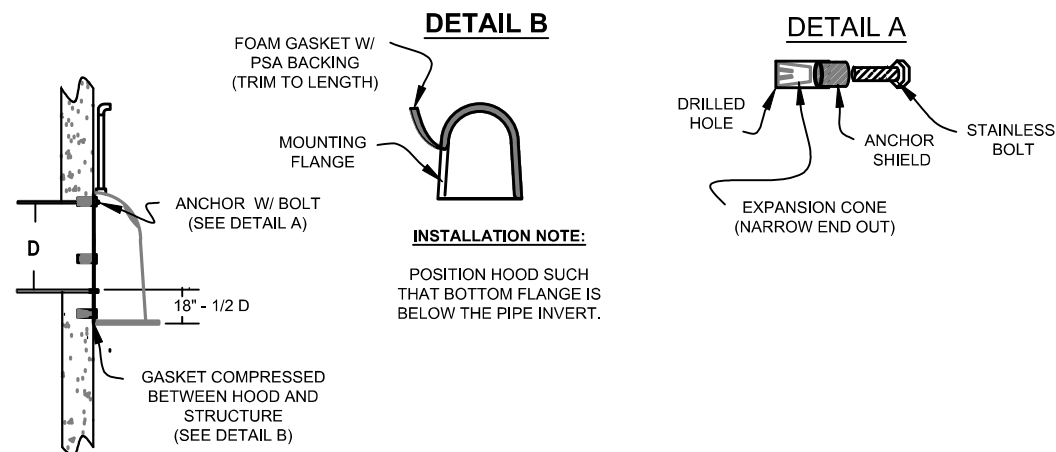
NOTE:
SUMP DEPTH OF 36" MIN FOR UP TO 12" ID PIPE OUTLET. FOR PIPES 15" AND ABOVE, SUMP DEPTH 2.5 TO 3 TIMES PIPE ID RECOMMENDED (E.G. 5' DEEP FOR 24" PIPE)



NOTES:

- 1) ALL HOODS AND TRAPS FOR CATCH BASINS AND WATER QUALITY STRUCTURES SHALL BE AS MANUFACTURED BY:
BEST MANAGEMENT PRODUCTS, INC.
53 MT. ARCHER RD.
LYME, CT 06371
(860) 434-0277, (860) 434-3195 FAX
TOLL FREE: (800) 504-8008 OR (888) 354-7585
WEB SITE: www.bestmp.com
OR PRE-APPROVED EQUAL
- 2) ALL HOODS SHALL BE CONSTRUCTED OF A GLASS REINFORCED RESIN COMPOSITE WITH ISO GEL COAT EXTERIOR FINISH WITH A MINIMUM 0.125" LAMINATE THICKNESS.
- 3) ALL HOODS SHALL BE EQUIPPED WITH A WATERTIGHT ACCESS PORT, A MOUNTING FLANGE, AND AN ANTI-SIPHON VENT AS DRAWN. (SEE CONFIGURATION DETAIL)
- 4) THE SIZE AND POSITION OF THE HOOD SHALL BE DETERMINED BY OUTLET PIPE SIZE AS PER MANUFACTURER'S RECOMMENDATION.
- 5) THE BOTTOM OF THE HOOD SHALL EXTEND DOWNWARD A DISTANCE OF 18" FROM I.E. OUT.
- 6) THE ANTI-SIPHON VENT SHALL EXTEND ABOVE HOOD BY MINIMUM OF 3" AND A MAXIMUM OF 24" ACCORDING TO STRUCTURE CONFIGURATION.
- 7) THE SURFACE OF THE STRUCTURE WHERE THE HOOD IS MOUNTED SHALL BE FINISHED SMOOTH AND FREE OF LOOSE MATERIAL.
- 8) THE HOOD SHALL BE SECURELY ATTACHED TO STRUCTURE WALL WITH 3/8" STAINLESS STEEL BOLTS AND OIL-RESISTANT GASKET AS SUPPLIED BY MANUFACTURER. (SEE INSTALLATION DETAIL)
- 9) INSTALLATION INSTRUCTIONS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED INSTALLATION KIT.
INSTALLATION KIT SHALL INCLUDE:
A. INSTALLATION INSTRUCTIONS
B. PVC ANTI-SIPHON VENT PIPE AND ADAPTER
C. OIL-RESISTANT CRUSHED CELL FOAM GASKET WITH PSA BACKING
D. 3/8" STAINLESS STEEL BOLTS
E. ANCHOR SHIELDS

INSTALLATION DETAIL



HOOD SPECIFICATIONS FOR CATCH BASINS AND WATER QUALITY STRUCTURES

SCALE: NTS

1



ONE SW COLUMBIA STREET, SUITE 1700
PORTLAND, OREGON 97204
P 503.225.9010

PAVING DETAILS
OVERLAND PARK PAVING PROJECT
PROJECT NO.: CI-3-23311

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045
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DIRECTOR

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NO.	DATE:

Sheet No.
C-04

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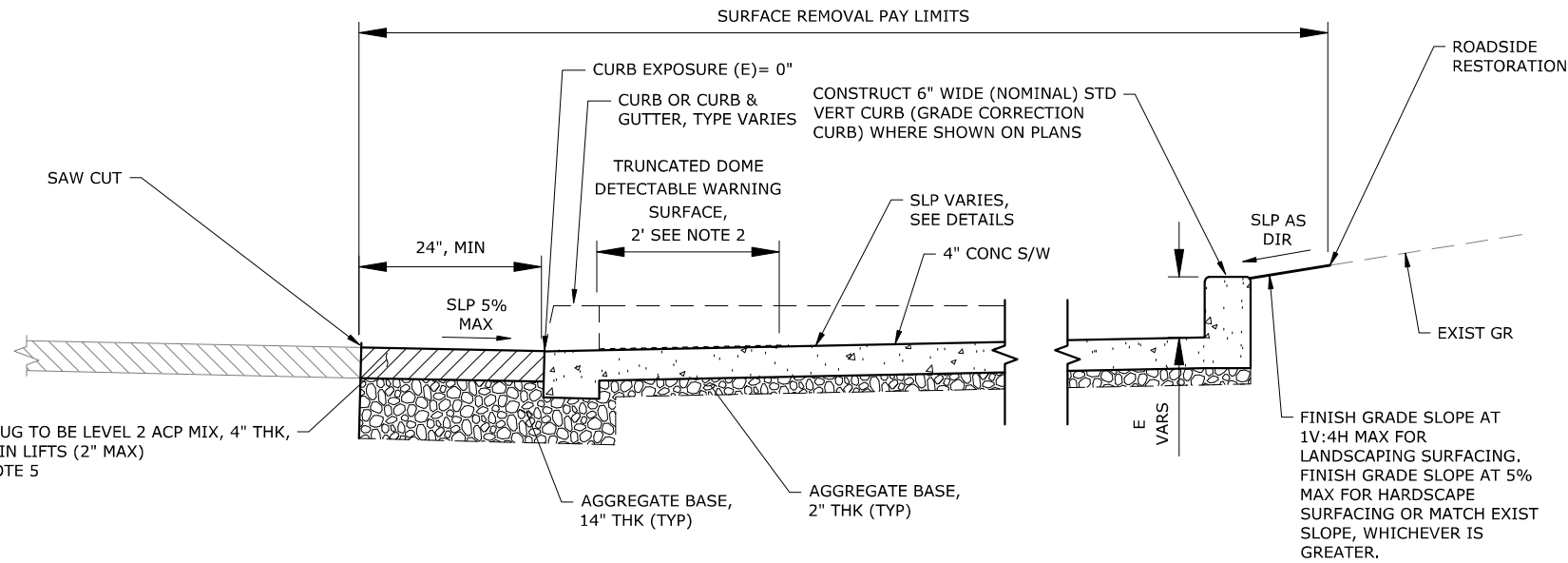
CURB RAMP DETAILS
OVERLAND PARK PAVING PROJECT
DATE: APRIL 2024 PROJECT NO.: CI-3-23511

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045
DAN JOHNSON DIRECTOR

DESIGNED BY: ARC
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CHECKED BY: AHG

NO.	DATE	REVISIONS

Sheet No. C-05



SIDEWALK RAMP GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL AMERICANS WITH DISABILITIES (ADA) REQUIREMENTS AS DEFINED BY THE PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG). SHOULD ANY ERROR OR INCONSISTENCY EXIST, THE CONTRACTOR SHALL NOT PROCEED WITH THE WORK AFFECTED UNTIL REPORTED TO THE ENGINEER FOR CLARIFICATION OR CORRECTION.
2. REFERENCE ODOT STANDARD DRAWINGS RD700, RD720, RD721. FOR ADDITIONAL INFORMATION.
3. ALL SURVEY AND STAKING NECESSARY FOR CONSTRUCTION SHALL BE PROVIDED BY THE CONTRACTOR. COMPLETE ALL SURVEY STAKING AS NEEDED USING INFORMATION CONTAINED IN THE PLANS AND ADJUSTED AS NECESSARY TO MEET ADA REQUIREMENTS. SURVEYED FIELD LAYOUT SHALL BE REVIEWED BY THE ENGINEER PRIOR TO CONCRETE PLACEMENT.
4. THE MAXIMUM CLOSURE TIME FOR ANY SINGLE CORNER SHALL BE ONE WEEK. SUBMIT TRAFFIC CONTROL PLAN AND PEDESTRIAN ACCESS ROUTE PLAN FOR RAMP CLOSURES. PLAN SHALL INCLUDE BUT IS NOT LIMITED TO WORK AREA PROTECTION, SIDEWALK DIVERSIONS AND DETOURS.
5. NOTIFY THE COUNTY WITHIN 48 HOURS OF COMPLETION OF CURB RAMP WORK FOR POST CURB RAMP INSPECTION. OBTAIN COUNTY APPROVAL PRIOR TO ASPHALT PAVING WITHIN THE ROADWAY ADJACENT TO CURBS OR ROADSIDE RESTORATION.
6. COORDINATE UTILITY RELOCATIONS AND/OR ADJUSTMENTS AS NEEDED. SEE SPECIFICATIONS FOR UTILITY CONTACT INFORMATION.
7. REPLACE CURBS, SIDEWALKS, AND/OR DRIVEWAY APRONS THAT ARE DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS. REPLACE FULL SECTIONS TO THE NEAREST EXISTING CONSTRUCTION JOINT. REPLACEMENT WILL BE CONSIDERED INCIDENTAL TO THE WORK.
8. PROTECT FRESHLY POURED CONCRETE FROM VANDALISM OR OTHER DAMAGE FOR A MINIMUM OF TWENTY-FOUR (24) HOURS OR UNTIL CURED ENOUGH TO SUPPORT TYPICAL USE, WHICHEVER IS LONGER. ANY CONCRETE DAMAGED BY VANDALISM OR OTHER CAUSES SHALL BE REPLACED AT NO COST TO THE COUNTY.
9. ALL AREAS DISTURBED THROUGH THE CONSTRUCTION OF THE SIDEWALK RAMPS SHALL BE RETURNED TO THEIR ORIGINAL CONDITION PRIOR TO PROJECT COMPLETION. THIS INCLUDES, BUT IS NOT LIMITED TO, ROADSIDE RESTORATION AROUND NEW RAMPS.
10. CONTRACTOR SHALL TAKE EXTRA CARE TO AVOID DAMAGING ANY IRRIGATION, WIRING, OR OTHER FACILITIES IN THE AREA TO THE NEW RAMP. ANY FACILITIES ENCOUNTERED SHALL BE RELOCATED BY THE CONTRACTOR WITHOUT DAMAGE TO AN APPROPRIATE LOCATION OUTSIDE THE RAMP/WALK AREA AT NO ADDITIONAL COST TO THE COUNTY.

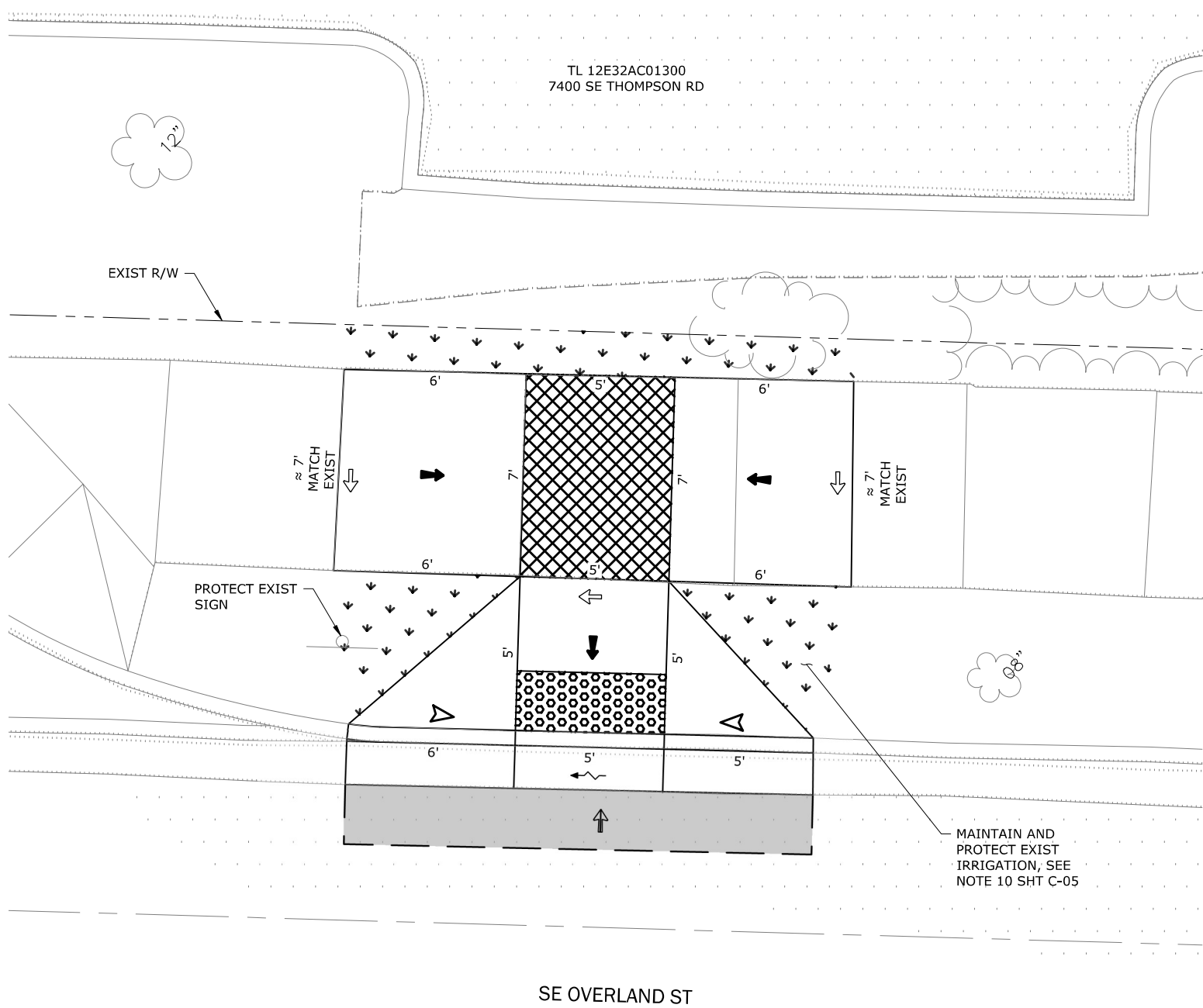
NOTES:

1. TOOLED JOINTS ARE REQUIRED AT ALL SIDEWALK RAMP SLOPE BREAK LINES.
2. PLACE TRUNCATED DOME DETECTABLE WARNING SURFACE IN THE LOWER 2 FEET ADJACENT TO TRAFFIC OF THROAT OF RAMP ONLY, UNLESS OTHERWISE SHOWN.

TYPICAL SIDEWALK RAMP REPLACEMENT SECTION
SCALE: NTS



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LEGEND

- SLOPE 1.5% MAX.
(MAX. 2.0% FINISHED SURFACE SLOPE)
(NORMAL SIDEWALK CROSS SLOPE)
- SLOPE 7.5% MAX.
(MAX. 8.3% FINISHED SURFACE SLOPE)
- COUNTER SLOPE
- FLARE SLOPE
(MAX. 10.0% FINISHED SURFACE SLOPE)
- ROTATE FINISHED GRADE ON RAMP $\frac{1}{4}$ TO PROVIDED 2%
MAX SLOPE ACROSS BOTTOM RAMP
- SIDEWALK TRANSITION PANEL
(RATE OF CROSS SLOPE CHANGE IS LESS THAN OR
EQUAL TO $\pm 0.5\%$ PER FOOT)
- SLOPE IS GREATER THAN 8.33%
AND LENGTH AS SHOWN
(MAX $\pm 0.5\%$ FINISHED SURFACE SLOPE TOLERANCE)
- TRUNCATED DOME DETECTABLE WARNING SURFACE
- 2% MAX. SLOPE LANDING IN ALL DIRECTIONS
- SAWCUT AND ACP PLUG LIMITS 2' MIN FROM FACE OF
CURB OR GUTTER PAN TO MEET CROSS SLOPE
REQUIREMENTS (SEE DET 1 SHT C-05).
- SIDEWALK
- ROADSIDE RESTORATION



PLAN
SCALE: 1"=5'



CURB RAMP DETAILS	
OVERLAND PARK PAVING PROJECT	
<p>CLACKAMAS COUNTY DEPT. OF TRANSPORTATION AND DEVELOPMENT 150 BEAVERCREEK ROAD OREGON CITY, OR 97045</p> <p>DAN JOHNSON DIRECTOR</p>	<p>DESIGNED BY: ARC</p> <p>DRAFTED BY: DKH</p> <p>CHECKED BY: AHG</p>
<p>NO. DATE:</p>	<p>REVISIONS</p>
<p>Sheet No. C-07</p>	
<p>DATE: APRIL 2024 PROJECT NO.: CI-3-23511</p>	

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CONSTRUCTION NOTES:

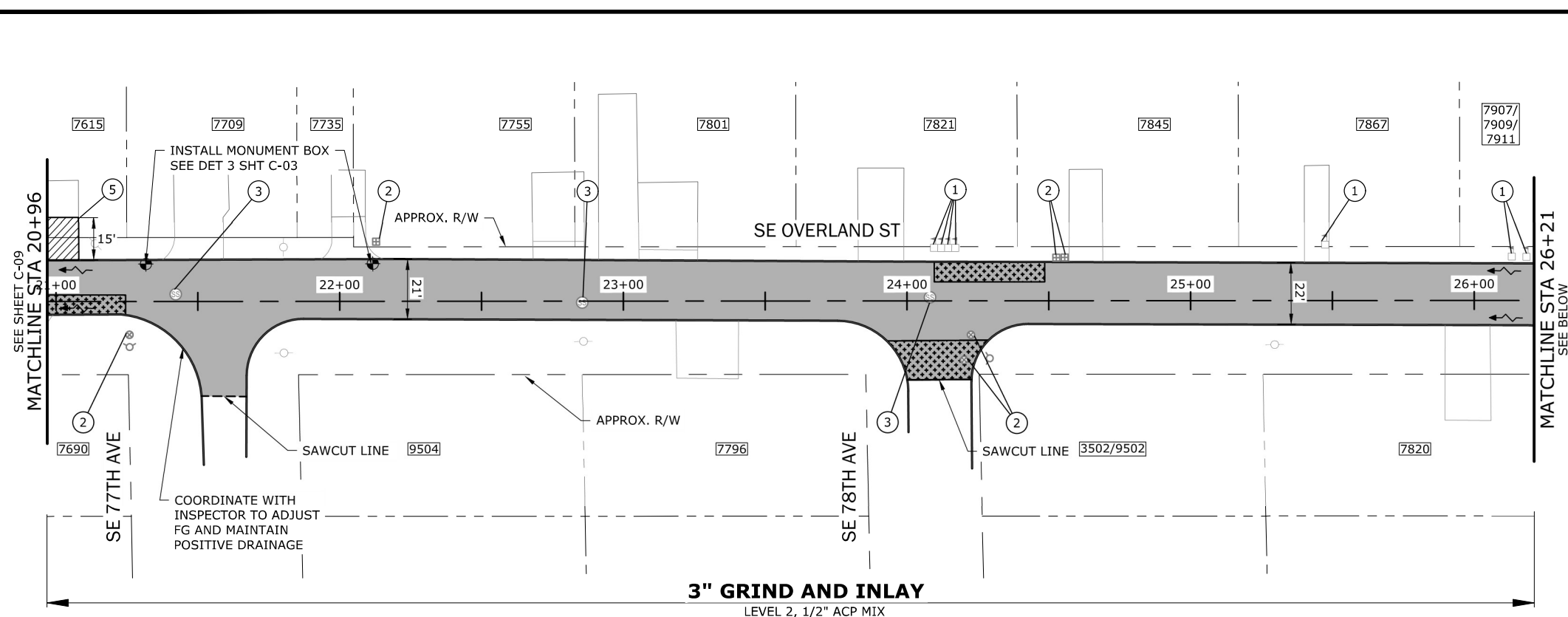
- FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01.
- PRIOR TO PAVEMENT OVERLAY OPERATIONS OR FOLLOWING PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND AND INLAY CONSTRUCTION DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-02 AND C-03.

PAVEMENT MARKING NOTES:

- INSTALL NEW PAVEMENT MARKINGS AS CALLED OUT WITH (X) PER ODOT STD DWGS.
- RECORD EXISTING PAVEMENT MARKINGS AND REPLACE MARKINGS IN EXISTING CONFIGURATION AFTER PAVING UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER. CONTRACTOR SHALL COORDINATE LAYOUT WITH INSPECTOR PRIOR TO PLACEMENT.

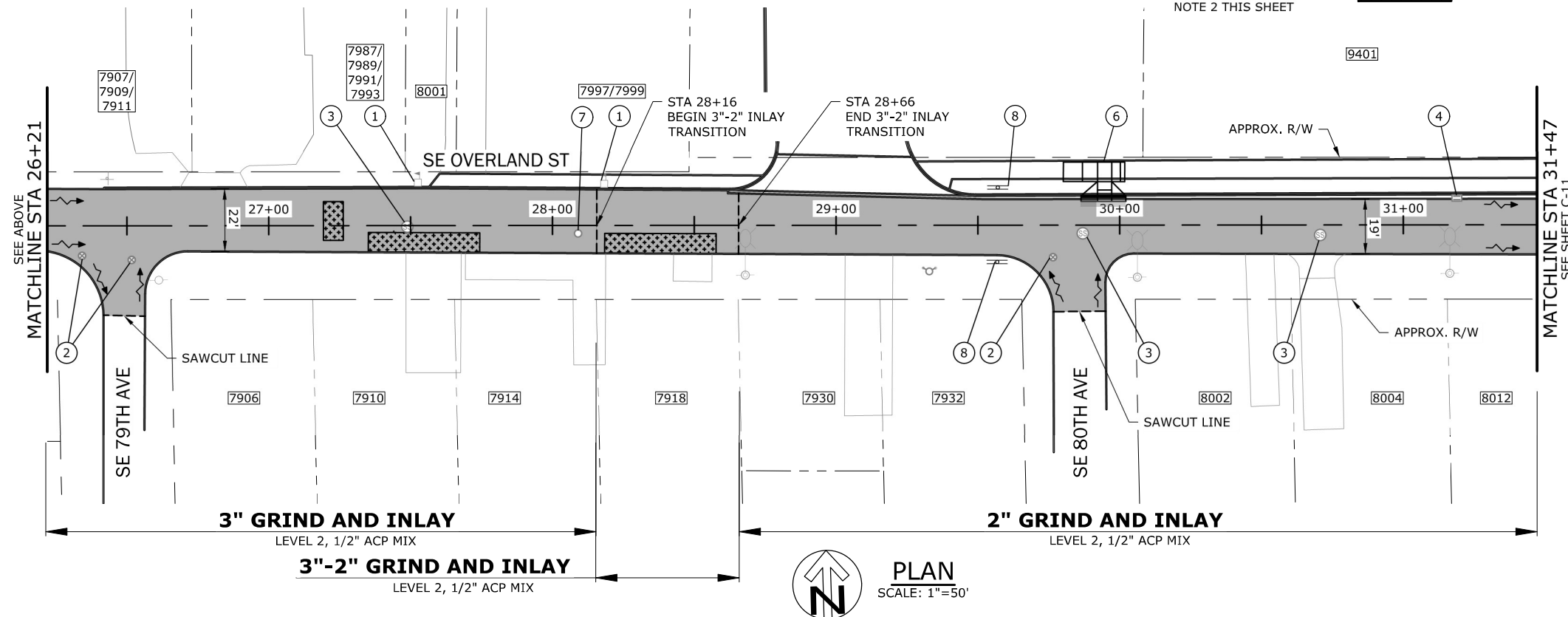
KEY NOTES:

- MAINTAIN AND PROTECT EXIST MAILBOX AND SUPPORTS
- MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX. PAVE AROUND EXIST VALVE BOX WHEN BOX IS LOC OUTSIDE EOP (COORD WITH UTILITY)
- MAINTAIN AND PROTECT EXIST MANHOLE
- MAINTAIN AND PROTECT EXIST CATCH BASIN. INSTALL TYPE 3 PREFABRICATED FILTER INSERT PER ODOT STD DWG RD1010.
- CONST ASPHALT APPROACH SEE COUNTY DWG D500 AND DET 2 SHT C-03 (COORD LIMITS WITH INSPECTOR)
- CONSTRUCT CONC RAMP PER DETAIL SHEETS C-05 THROUGH C-07
 - REMOVE EXIST SURFACINGS
 - CONSTRUCT AGG BASE
 - CONSTRUCT CURB AND GUTTER (E=6", PAN=18")
 - CONSTRUCT CONCRETE S/W
 - INSTALL TRUNCATED DOMES
 - CONSTRUCT ACP PLUG
 - RESTORE EXIST ROADSIDE SURFACINGS
- MAINTAIN AND PROTECT EXISTING CLEANOUT
- INSTALL CROSSWALK CLOSURE BARRICADE WITH SIGNS



PAVEMENT REHABILITATION LEGEND

- ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01
- APPROXIMATE 2 IN SPOT GRIND AND INLAY RESTORATION AREA, SEE CONSTRUCTION NOTE 2 THIS SHEET
- ASPHALT APPROACH, SEE DET 2 SHT C-03
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



PAVING PLAN AND NOTES
OVERLAND PARK PAVING PROJECT

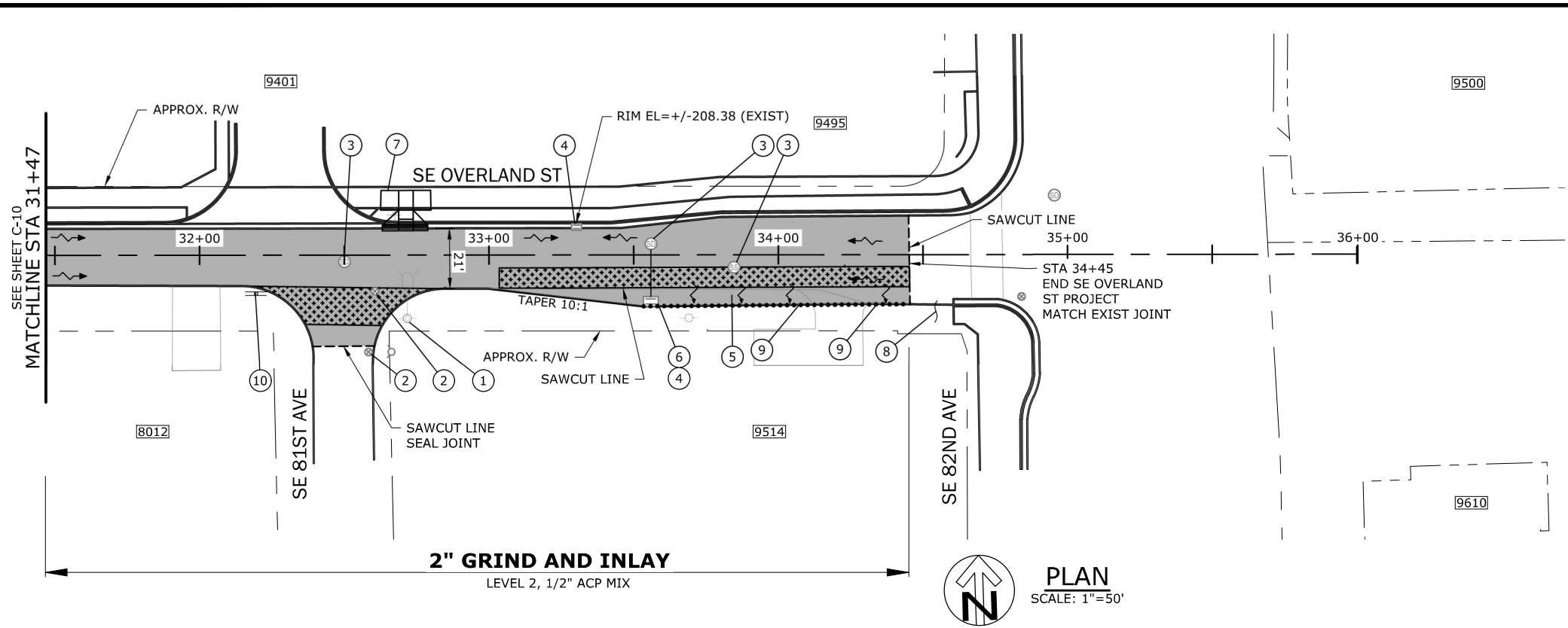
CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045
DAN JOHNSON
DIRECTOR

DESIGNED BY:	ARC
DRAFTED BY:	RPH
CHECKED BY:	AHG
NO. DATE:	
Sheet No.	C-10



PROJECT NO.: CI-3-23311
DATE: APRIL 2024

\\consor-local\files_V-TPD\Projects\OR\Clackamas County\2022\0220562OR_00\13-CADD\13-5 Sheets\Overland Park\0220562OR_C-PP_OP.dwg C-08 5/1/2024 3:23 PM RYAN, HASELTON 24.1s (LMS Tech)



2" GRIND AND INLAY
LEVEL 2, 1/2" ACP MIX

PLAN
SCALE: 1"=50'

KEY NOTES:

- ① MAINTAIN AND PROTECT EXIST LUMINAIRE ON POLE
- ② MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX PAVE AROUND EXIST VALVE BOX WHEN BOX IS LOC OUTSIDE EOP (COORD'D WITH UTILITY)
- ③ MAINTAIN AND PROTECT EXIST MANHOLE
- ④ MAINTAIN AND PROTECT EXIST CATCH BASIN. INSTALL TYPE 3 PREFABRICATED FILTER INSERT PER ODOT STD DWG RD1010
- ⑤ CONSTRUCT FULL DEPTH SECTION SEE TYPICAL SECTION SHT C-01
- ⑥ STA 33+56 16' RT CONSTRUCT CIP G-2 INLET W/ 36" MIN SUMP (SURVEY AND COOR'D W/INSPECTOR FOR LAYOUT) INSTALL MODEL 12F SNOOT & OIL DEBRIS STOP (SEE DET 1 SHT C-04)
RIM = +/-208.28', MAINTAIN POSITIVE DRAINAGE TO INLET MAINTAIN 18" HORIZ SEPARATION FROM EXIST 12" CI W 12" DI IE DEPTH AT CB OUT = +/-206.34'
INSTALL:
17 LF 12" DI SD PIPE @ 5.5% SLP, W/ CLASS "B" BFILL CONNECT TO EXIST STORM MANHOLE DRYWELL
12" DI IE IN= +/-205.22'
PLACE 12" MIN LAYER OF 1.5"-0.75" ROUND ROCK BFILL BEYOND EXIST DRYWELL STRUCTURE
CONSTRUCT TRENCH RESURFACING - 10 SY COUNTY TO PERFORM VIDEO PIPE INSPECTION SEE ODOT STD DWGS RD300, RD302, RD339, RD364, RD365 AND COUNTY DWG SWM-27

- ⑦ CONSTRUCT CONC S/W AND CONCRETE RAMP(S) PER DETAIL SHEETS C-05 THROUGH C-07
 - REMOVE EXIST SURFACINGS
 - CONSTRUCT AGG BASE
 - CONSTRUCT CURB AND GUTTER (E=6", PAN=18")
 - CONSTRUCT CONCRETE S/W
 - INSTALL TRUNCATED DOMES
 - CONSTRUCT ACP PLUG
 - RESTORE EXIST ROADSIDE SURFACINGS
- ⑧ PROTECT EXIST AC END OF WALK CURB RAMP
- ⑨ CONSTRUCT AC DRAINAGE CURB SEE DET 4 SHT C-02
- ⑩ INSTALL CROSSWALK CLOSURE BARRICADE WITH SIGNS

PAVEMENT REHABILITATION LEGEND

- ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01
- APPROXIMATE 2 IN SPOT GRIND AND INLAY RESTORATION AREA, SEE CONSTRUCTION NOTE 2 THIS SHEET
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.
- PROPOSED AC DRAINAGE CURB



CONSTRUCTION NOTES:

1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01.
2. PRIOR TO PAVEMENT OVERLAY OPERATIONS OR FOLLOWING PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATIONS AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND AND INLAY CONSTRUCTION DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-02 AND C-03.

PAVEMENT MARKING NOTES:

1. INSTALL NEW PAVEMENT MARKINGS AS CALLED OUT WITH (X) PER ODOT STD DWGS.
2. RECORD EXISTING PAVEMENT MARKINGS AND REPLACE MARKINGS IN EXISTING CONFIGURATION AFTER PAVING UNLESS OTHERWISE SHOWN OR DIRECTED BY THE ENGINEER. CONTRACTOR SHALL COORDINATE LAYOUT WITH INSPECTOR PRIOR TO PLACEMENT.



PAVING PLAN AND NOTES

OVERLAND PARK PAVING PROJECT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

DIRECTOR
DAN JOHNSON

DESIGNED BY: ARC
DRAFTED BY: RPH
CHECKED BY: AHG

REVISIONS

NO.	DATE:	

PROJECT NO.: CI-3-23311
DATE: APRIL 2024

Sheet No. **C-11**

20-JUL-2020
RD610.dgn

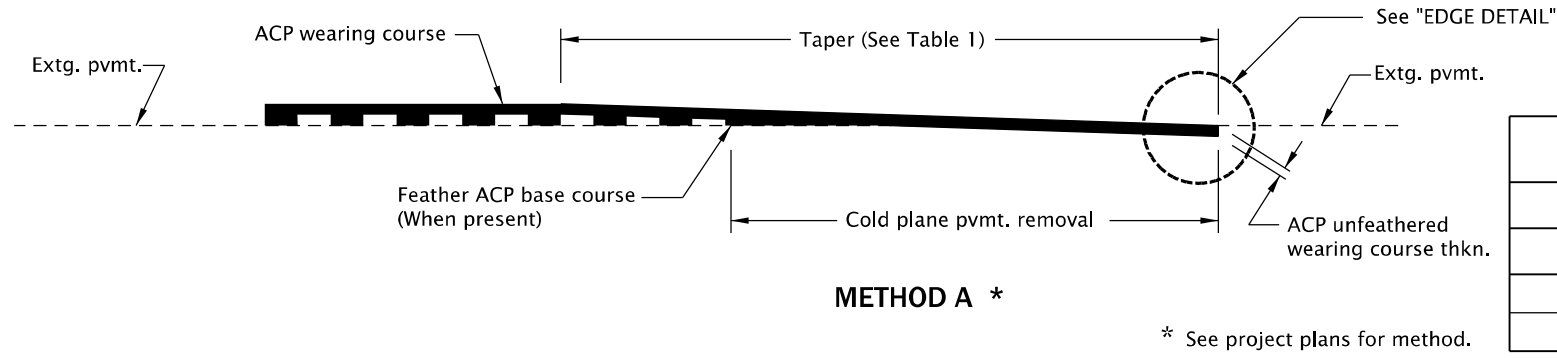
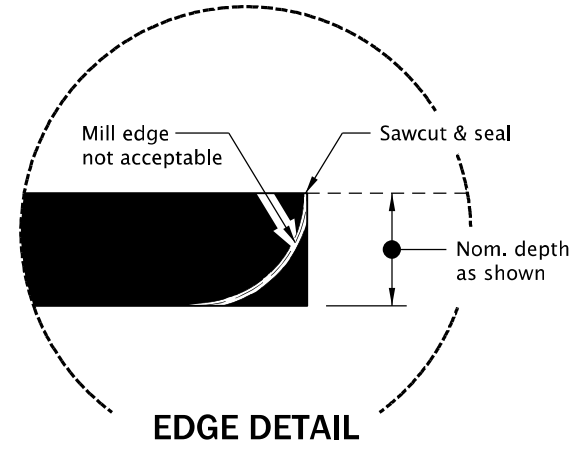
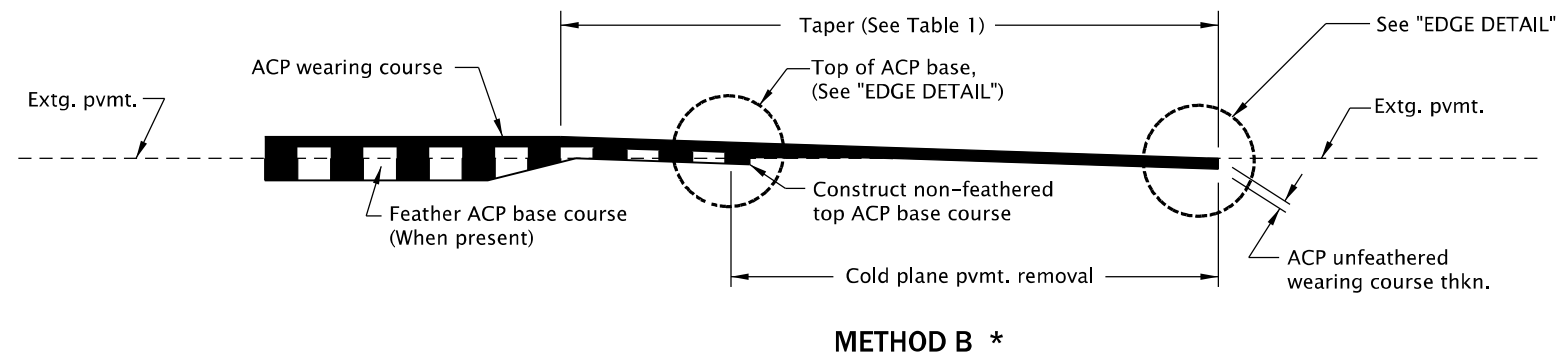
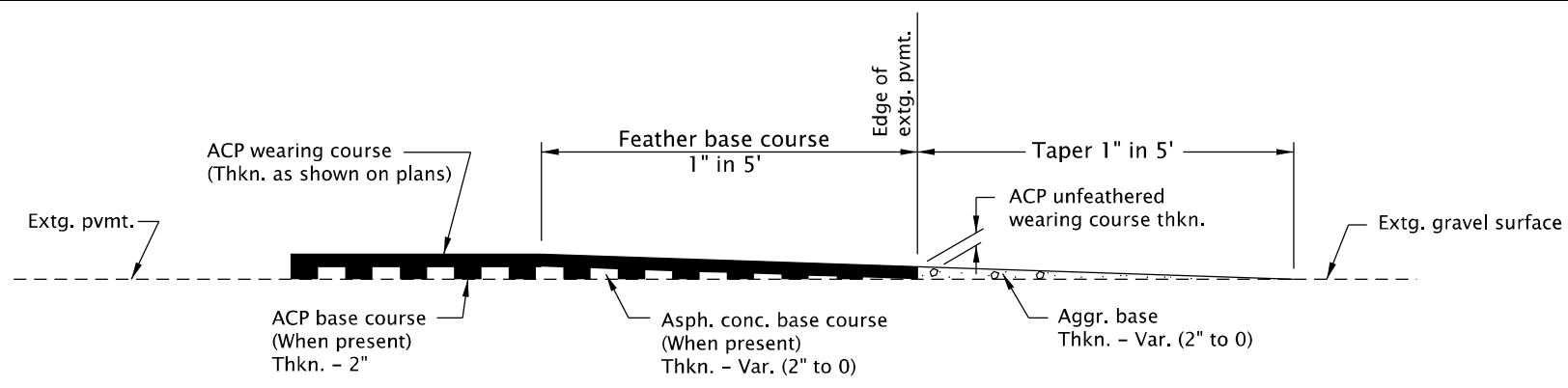


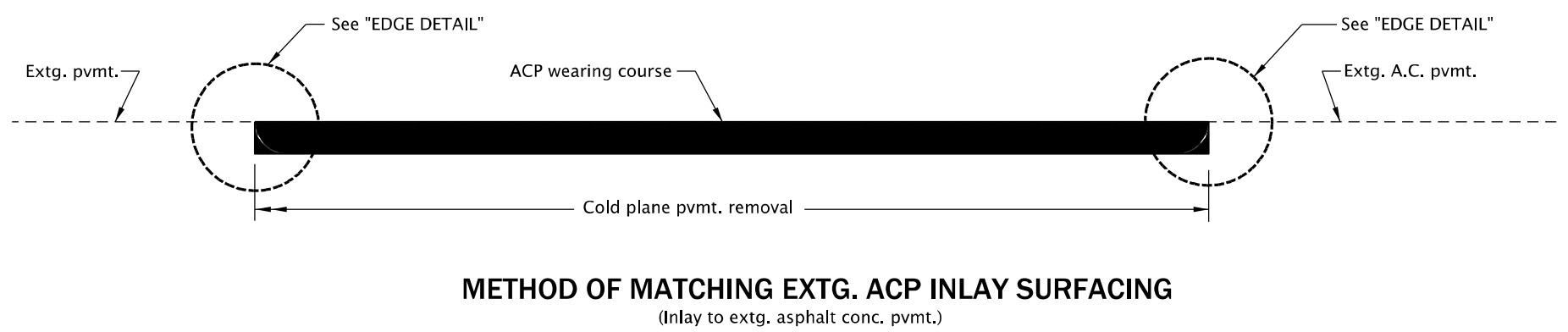
TABLE 1 TAPER LENGTHS	
Posted Speed	Taper Length
< 45 mph	1" per 50'
≥ 45 mph	1" per 100'



**ACP PAVEMENT MATCH AT PROJECT ENDS
OR BRIDGE ENDS WHEN NOT OVERLAYING THE BRIDGE**



**METHOD OF FEATHERING ACP PAVEMENT
AT GRAVEL APPROACHES**



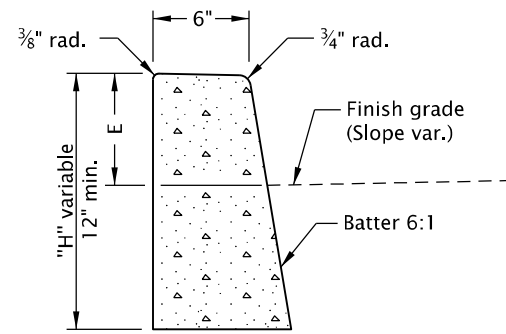
**METHOD OF MATCHING EXTG. ACP INLAY SURFACING
(Inlay to extg. asphalt conc. pvmt.)**

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

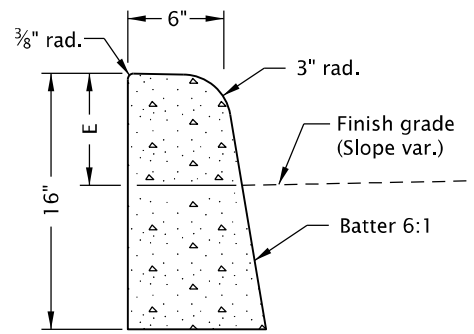
All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
ASPHALT CONCRETE PAVEMENT (ACP) DETAILS			
2021			
DATE	REVISION DESCRIPTION		
CALC. BOOK NO.	N/A	SDR DATE	25-JUL-2017
			RD610

20-JUL-2020

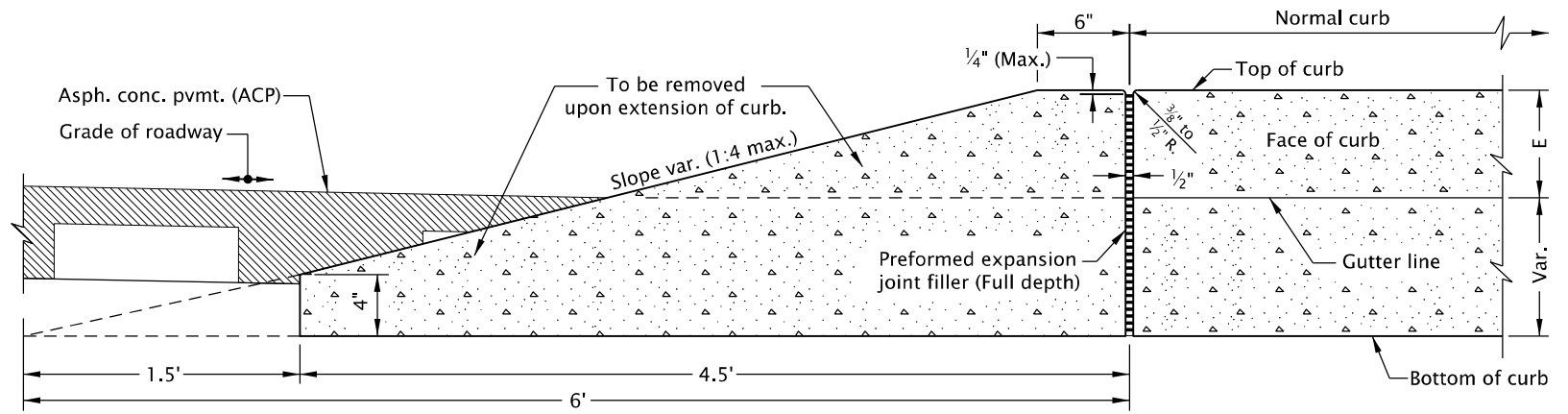
RD700.dgn



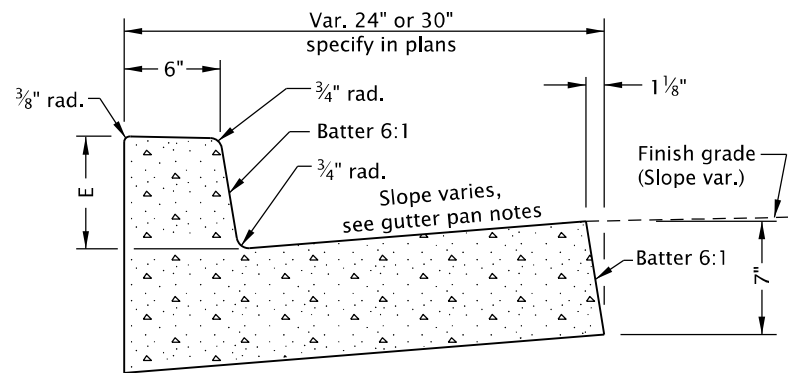
O.D.O.T. & City of Portland Standard "H"=16" STANDARD CURB
(See general note 11)



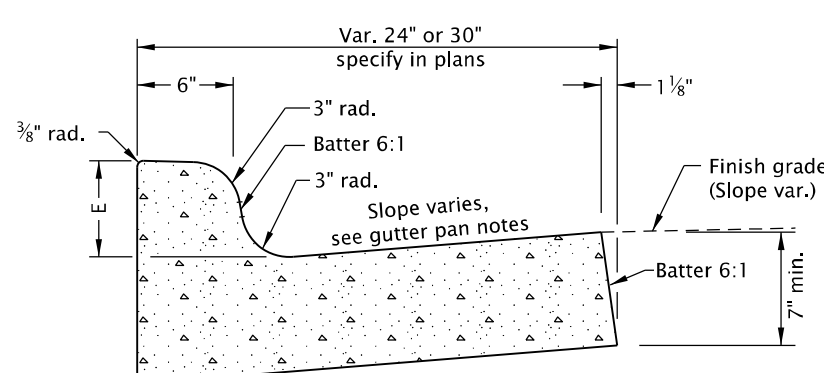
MOUNTABLE CURB
(See general note 11)



CURB ENDING DETAIL

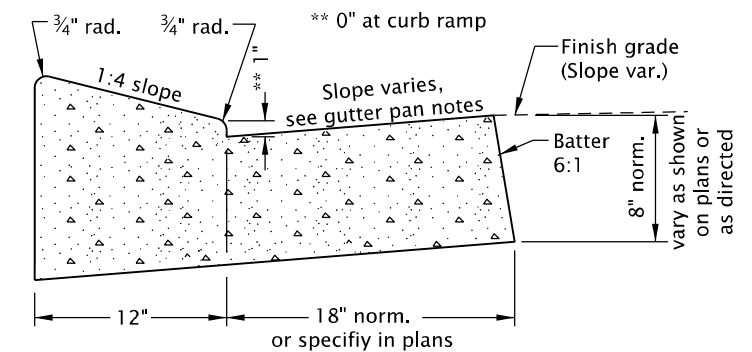


CURB AND GUTTER

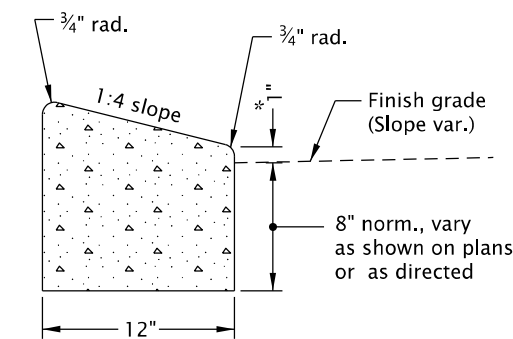


MOUNTABLE CURB AND GUTTER

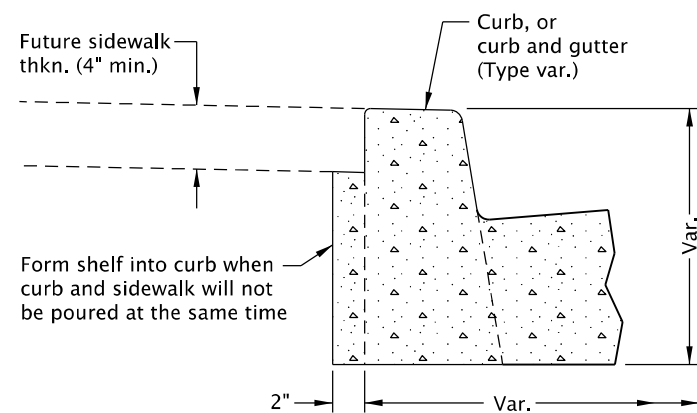
GUTTER PAN NOTES:
Slope 5.0% normal.
Slope 4.0% max. at curb ramps.
Vary slope as reqd. for drainage.
Vary where shown on plans, and allowed by jurisdiction.



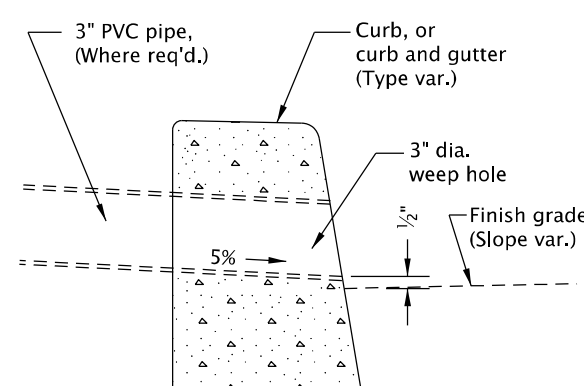
LOW PROFILE MOUNTABLE CURB AND GUTTER
(Where shown on plans)



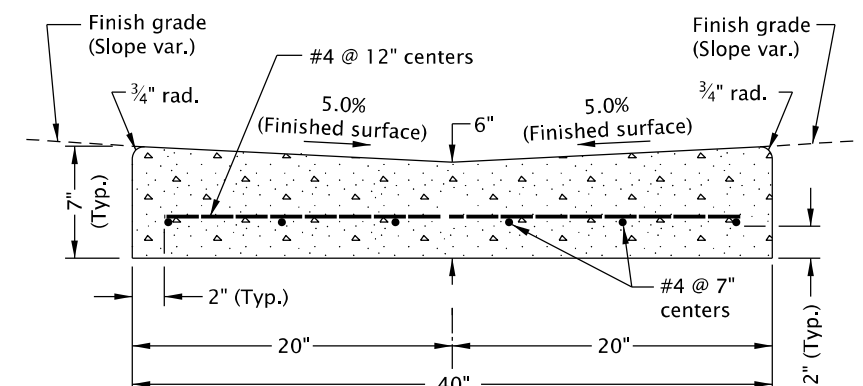
LOW PROFILE MOUNTABLE CURB
(See general note 11)



MODIFICATION FOR KEYWAY
(Where shown on plans)



WEEP HOLE DETAIL
(Where shown on plans, and allowed by jurisdiction)



VALLEY GUTTER

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb exposure "E" = 6" to 9", as measured vertically from flowline to highest point on curb. Vary as shown on plans or as directed. O.D.O.T standard "E"=7".
2. Const. curb expansion joints at 200' maximum spacing, and at points of tangency, and at ends of each driveways.
3. Const. curb contraction joints at 15' maximum spacing, and at ends of each inlet and curb ramp.
4. Transitions shall be used to connect curbs of different exposures "E". ("E" Is the total vertical dimension of those curb surfaces having a slope of 1:1 or steeper). Minimum desirable transition length shall be 20' for each 1" difference in "E".

5. Tops of all curbs shall slope toward the roadway at 1.5% max. (Max. 2.0% finished surface slope), unless otherwise shown, or as directed.
6. Dimensions are nominal, vary to conform with curb machine approved by the engineer.
7. Dimensions adjacent to radii are measured to the point of intersection of curb surfaces.
8. For sidewalk details, and monolithic curb & sidewalk, see Std. Dwgs. RD720 & RD721.
9. For drainage curbs, see Std. Dwg. RD701.
10. For curb ramp details, see Std. Dwgs. RD900 series.
11. On or along state highways, curb and gutter is required at curb ramp.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

CURBS

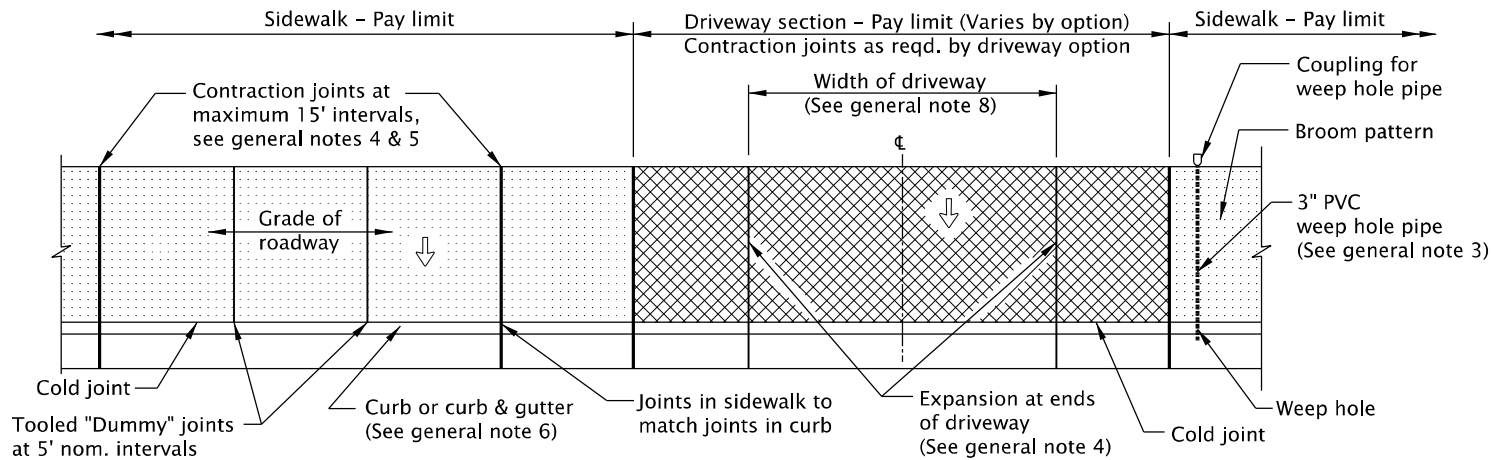
2021

DATE	REVISION	DESCRIPTION

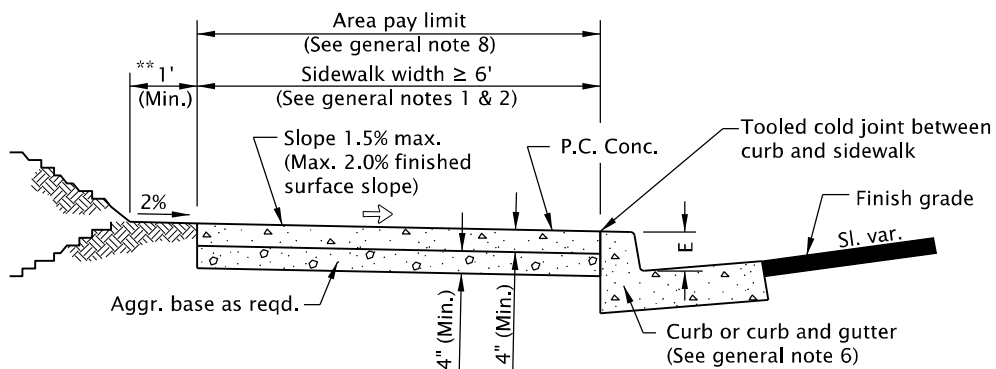
CALC. BOOK NO. --- N/A --- SDR DATE: 20-JUL-2020 **RD700**

20-JUL-2020

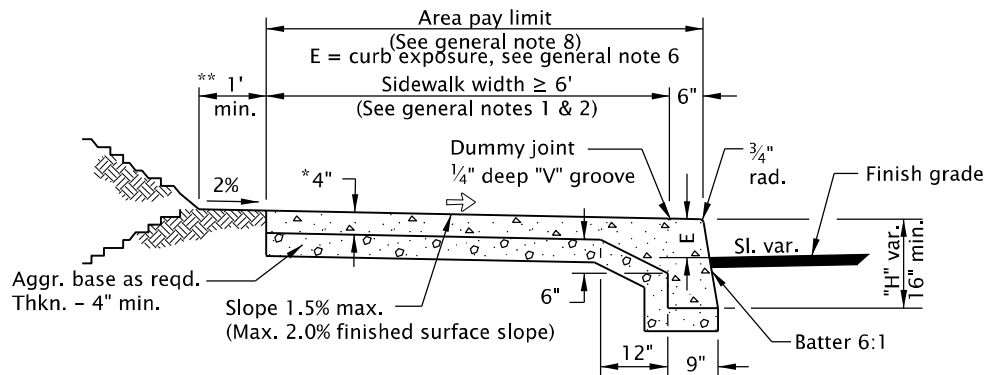
RD720.dgn



TYPICAL PLAN VIEW - CURB LINE SIDEWALK



TYPICAL CURB SIDEWALK CROSS SECTION



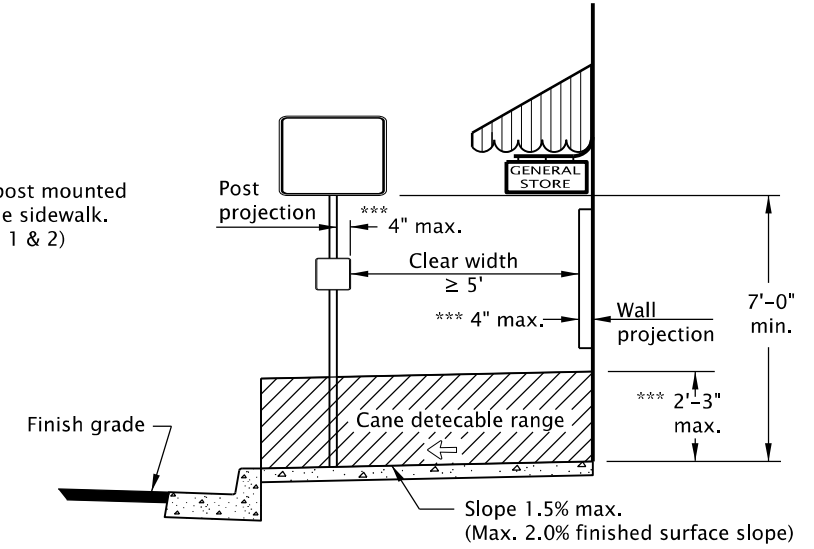
TYPICAL MONOLITHIC CURB & SIDEWALK CROSS SECTION

E = curb exposure, see general note 6

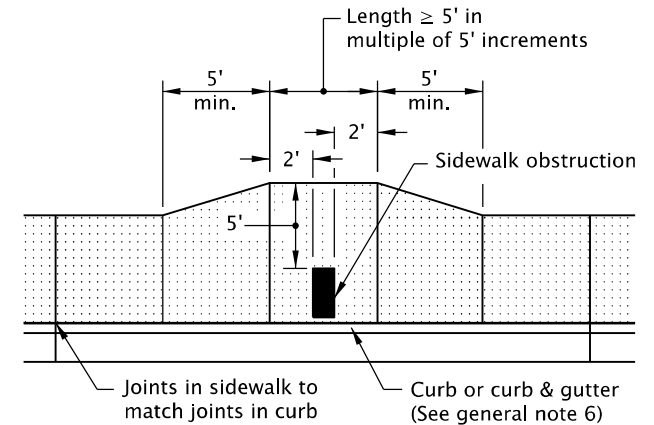
- * Min. 4" or as specified in plans. A thickness $\geq 6"$ if sidewalk is intended as portion of a driveway or mountable curb is used.
- ** Provide compacted backfill adjacent to curb and sidewalk

*** Objects with base below 2'-3" may protrude any distance as long as the 5' circulation path is maintained. When an object with a base higher than 2'-3" protrudes further than 4" provide a detection below protrusion to delineate edge.

Building, wall, or post mounted obstruction outside sidewalk. (See general notes 1 & 2)



CLEAR CIRCULATION PATH



REQUIRED SIDEWALK WIDENING AROUND OBSTRUCTIONS

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
2. Curb type and sidewalk width as shown on plans or as directed. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
3. Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
4. Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures. For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joints details.
5. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joints details.
6. For curb details, see Std. Dwgs. RD700 & RD701. ODOT standard E=7".

7. Sidewalk details are based on applicable ODOT standards.
8. Fully lowered sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Std. Dwgs. RD725, RD730, RD735, RD740, RD745 & RD750.
9. See project plans for details not shown.

LEGEND

- Sidewalk pay limit.
- Driveway pay limit, varies by option, (See general note 8).
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

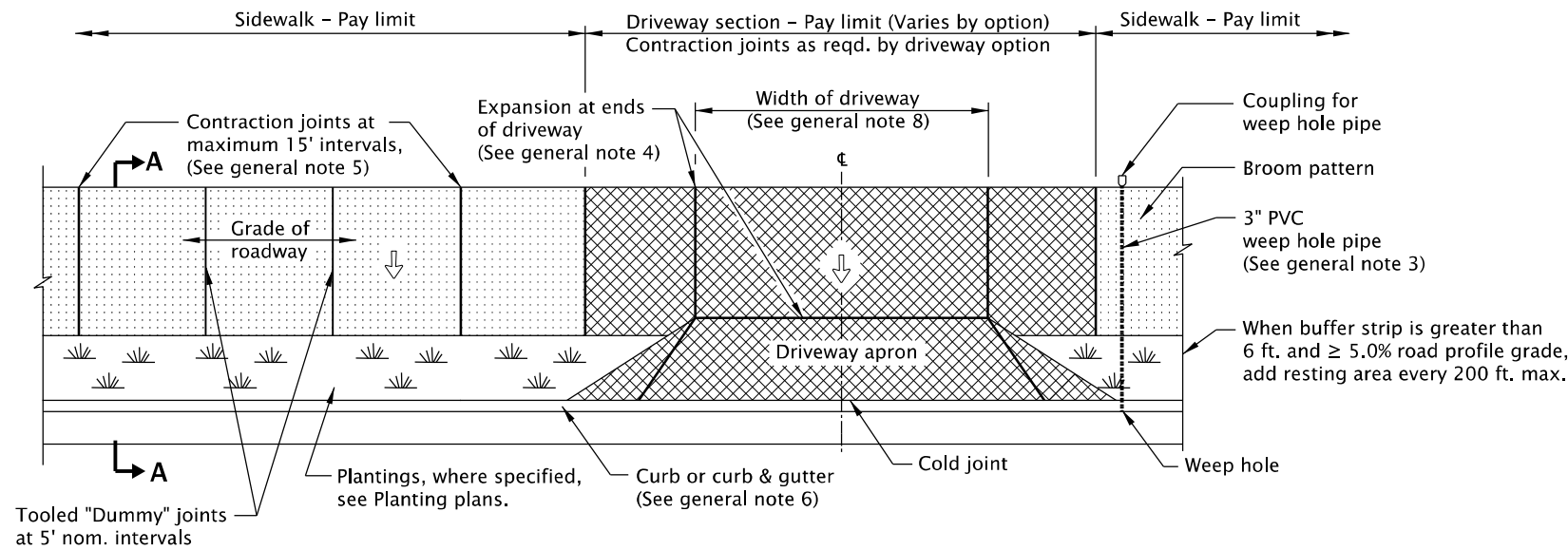
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
CURB LINE SIDEWALKS			
2021			
DATE	REVISION DESCRIPTION		
CALC. BOOK NO.	N/A	SDR DATE	21-JUN-2019
			RD720

Effective Date: June 1, 2023 – November 30, 2023

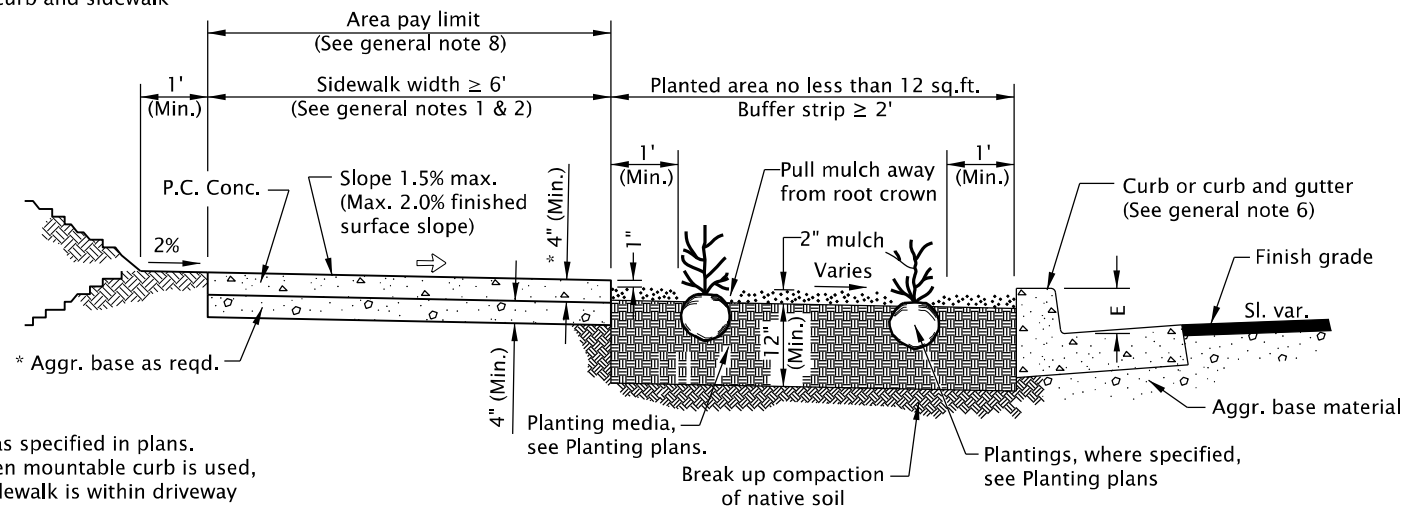
20-JUL-2020

RD721.dgn



TYPICAL PLAN VIEW - SEPARATED SIDEWALK

Provide compacted backfill adjacent to curb and sidewalk



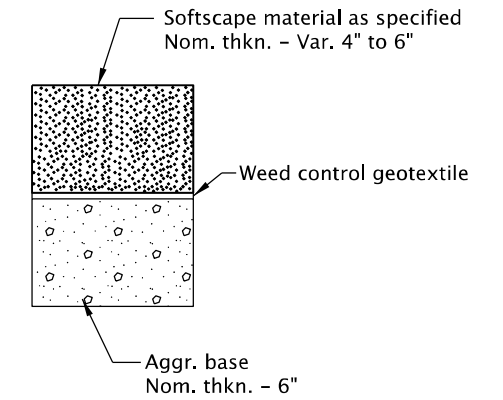
SECTION A-A

TYPICAL SETBACK SIDEWALK CROSS SECTION

E = curb exposure, see general note 6

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
2. Curb type and sidewalk width as shown on plans or as directed. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
3. Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
4. Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures. For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joint details.
5. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joint details.
6. Curb and gutter shown; see project plans for the curb design specified. For curb details, see Std. Dwgs. RD700 & RD701. ODOT standard E=7".
7. Sidewalk details are based on ODOT applicable standards.
8. Driveway encroaches into sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Std. Dwgs. RD725, RD730, RD735, RD740, RD745 & RD750.
9. See project plans for details not shown.
10. Provide plantings in areas 12 SF or greater, as shown or directed. Treat areas less than 12 SF with mulch surfacing.



NON-PLANTED SOFTSCAPE CROSS SECTION

NOTES:

1. Use softscape materials allowed by jurisdiction.
2. Approved softscape materials:
 - a) Loose, durable round rock 2"-4" in diameter
 - b) Lava rock 2"-4" diameter
 - c) Wood chips/bark mulch
 - d) Sand
3. No crushed aggregate or pea gravel allowed.
4. Install softscape material flush with the top of sidewalk.

LEGEND

- Sidewalk pay limit.
- Driveway pay limit, varies by option, (See general note 8).
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

SEPARATED SIDEWALKS

2021

DATE	REVISION	DESCRIPTION

CALC. BOOK NO. - - - -	N/A - - - -	SDR DATE - 20-JUL-2020	RD721
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
Effective Date: June 1, 2023 – November 30, 2023


The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.


CURB RAMP INDEX


STD. DWG. NO.	STD. DWG. TITLE
RD900	Curb Ramp Components And Legend
RD901	Curb Ramp Legend And Corner Identification
RD902	Detectable Warning Surface Details
RD904	Detectable Warning Surface Placement For Curb Ramps
RD905	Detectable Warning Surface Placement For Directional Curbs
RD906	Detectable Warning Surface Placement For Accessible Route Island
RD908	Detectable Warning Surface Placement For Rail
RD909	Detectable Guide Strip Placement At Bike Ramps
RD910, RD912	Perpendicular Curb Ramp
RD913	Perpendicular Curb Ramp With Closure
RD916	Perpendicular Curb Ramp Single Ramp
RD920	Parallel Curb Ramp
RD922	Parallel Curb Ramp Single Ramp
RD930, RD932 & RD936	Combination Curb Ramp
RD938	Combination Curb Ramp Single Ramp
RD940	Blended Transition Curb Ramp Single Ramp
RD950 & RD952	End Of Walk Curb Ramp
RD960	Unique Curb Ramp


LEGEND:


 Marked or intended crossing location


 Sidewalk or other traversable surface


 Detectable warning surface (DWS)


 Level area (Turning space/landing)


 Cross slope 1.5% max.
(Max. 2.0% finished surface slope)
(Normal sidewalk cross slope)

 Running slope 4.0% max.
(Max. 4.9% finished surface slope)

 Running slope 7.5% max.
(Max. 8.3% finished surface slope)

 Counter slope 4.0% max. ascending or descending
(Max. 5.0% finished surface slope)
Slope as required for drainage

 Flare slope
(Max. 10.0% finished surface slope)

 4'x4' clear space

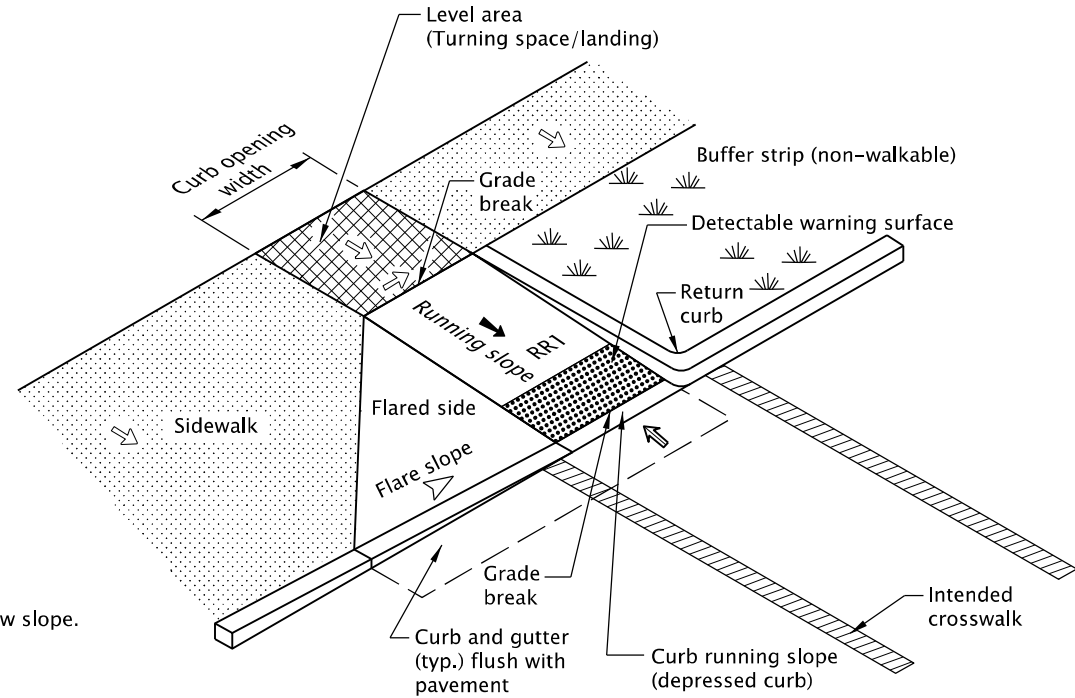
RR1 Ramp Run Position 1

INTERSECTION CONDITION TYPES

MB = Midblock, less than or equal to roadway grade finished gutter flow slope.

SU = Signalized or Uncontrolled, max. 5.0% finished gutter flow slope.

SY = Stop or Yield, max. 2.0% finished gutter flow slope.



TYPICAL CURB RAMP SYSTEM COMPONENTS

(PERPENDICULAR TYPE SHOWN)

<p><i>The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.</i></p>	All materials shall be in accordance with the current Oregon Standard Specifications.	
	OREGON STANDARD DRAWINGS	
	CURB RAMP COMPONENTS AND LEGEND	
	2024	
	DATE	REVISION
07-2020		NEW DRAWING CREATED
07-2021		REVISED DETAILS AND NOTES
01-2022		REVISED LEGEND
11-2023		REVISED LEGEND
CALC. BOOK NO.	N/A	SDR DATE: 19-JAN-2024
		RD900

19-JAN-2024

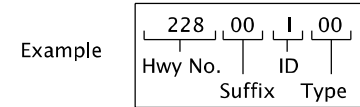
RD901.dgn

Linear Referencing Method (LRM) Number

Use ODOT FACS-STIP web based application, turn on layers Roadside > ADA Corners and ADA Ramps to see LRM and corner position number of curb ramps inventoried. Select "Identify Features" and click on Map Position to see Information.

This is a code to identify the intersection on a specific state highway. There is a four part format for the code: Highway Number; Highway Suffix; Roadway ID, Mileage Type.

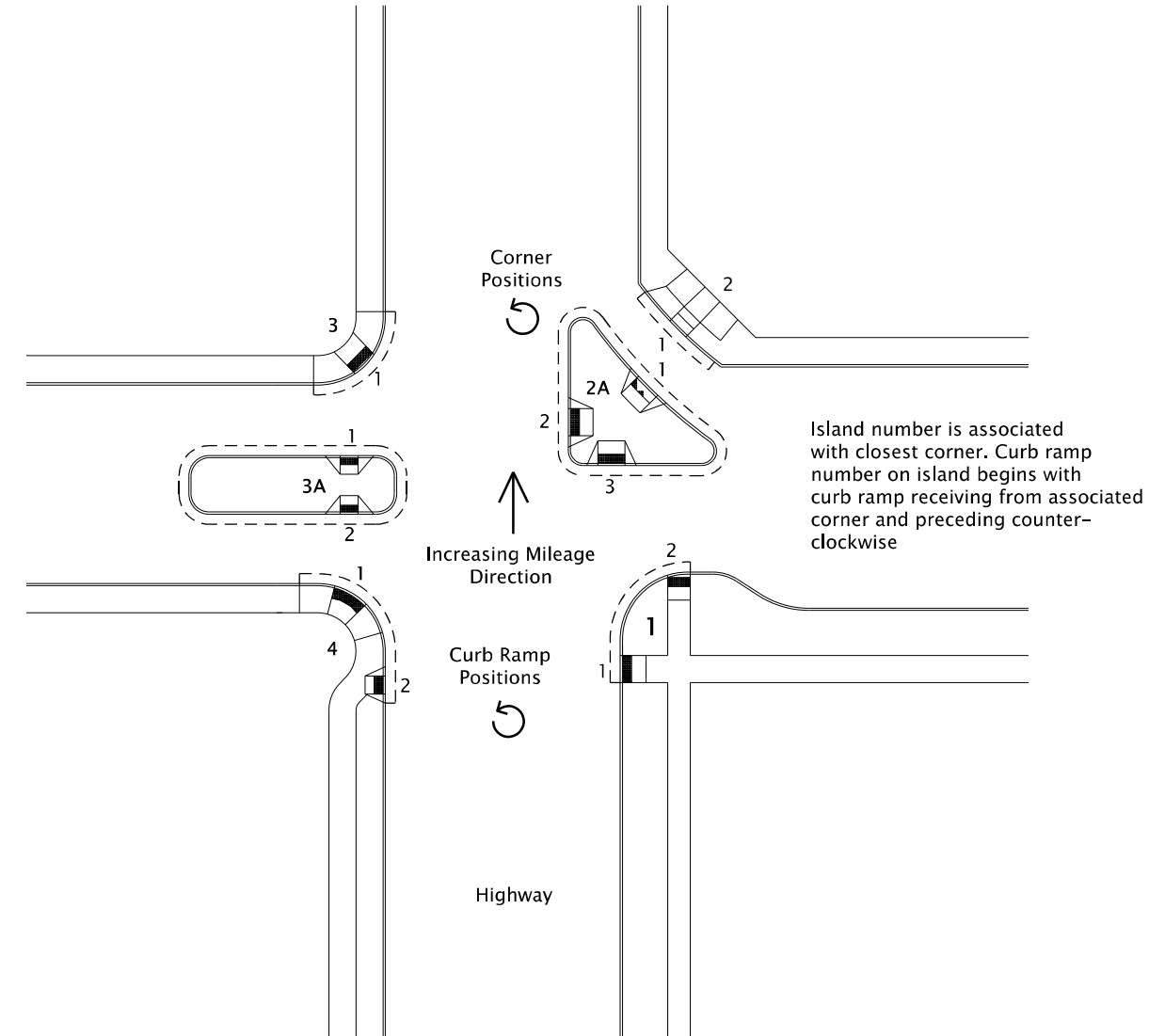
- 1) The Highway Number is a 3 digit number (not the route number) assigned to all state highways by ODOT. Valid numbers are 001-493.
- 2) Highway Suffix is a letter format assigned to frontage roads and connections to identify the unique connection, for example AA or AB. Use the Identify Features tool on the ODOT FACS-STIP web based application, Road Network layer > Hwy Network-Colored layer for visual reference. Select "Identify Features" and click on Map Position to see Information. If the intersection is not located on a connection use 00 for the code.
- 3) Roadway ID is a one letter code used to identify alignment. There are two possible letter codes; "I" for increasing mile point direction and "D" for decreasing mile point direction. For most highways, the "I" direction is south and east. Note I-5 does not follow this rule. Generally "I" will be used. When there is a separated highway there will be an "I" roadway and a "D" roadway. Check the Digital Video Log to be sure of the direction.
- 4) Mileage Type is used when there are multiple locations of the same mile point on a section of highway. Overlay lapping mileage is listed as "z" mileage.



Milepoint of an intersection is based on the mile point of the center of the intersection listed to the hundredth of a mile.

Corner Position is based on traveling in the increasing mile point direction, beginning with the first corner on the right and proceeding counter-clockwise around the intersection, numbering consecutive 1 through the end of corners. An "A" is added to the number for an island. For example an island between corner positions 1 and 2 and is closer to corner 2 has a corner position number of 2A (See corner position and curb ramp position diagram).

Curb Ramp Position is a number given to each curb ramp beginning with Corner Position 1. The first curb ramp encountered in the increasing mile point direction is number ramp 1. Then proceeds counter-clockwise around the corner, numbering in consecutive order. Proceed following the pedestrian route and in Corner Position Number order (see corner position and curb ramp position diagram).



CORNER POSITION AND CURB RAMP POSITION DIAGRAM
(See ODOT Exhibit A for additional ramp and ramp run numbering conventions.)

STANDARD ABBREVIATION FOR CURB RAMP DETAILS

- FG = Finish Grade (Elevation ft.) i.e. FG XXX.XX'
- TFC = Top Face of Curb (Elevation ft.)
- TBC = Top Back of Curb (Elevation ft.)
- BFC = Bottom Face of Curb (Elevation ft.)
- gtr. = Gutter (Elevation ft.)
- GS = Gutter Slope (%), i.e. X.X%
- E = Curb Exposure (Inch), i.e. X"
- CS = Counter Slope on gutter pan (%)
- RRN = Ramp Run Number, i.e. RRX
- cl.sp. = Clear Space
- TS = Turning Space
- XS = Cross Slope
- LA = Level Area
- DWS = Detectable Warning Surface
- PAR = Pedestrian Access Route

LEGEND:

- Fire Hydrant
- Gas Valves Box
- Inlet
- Sanitary Manhole
- Storm Manhole
- Pole Anchor
- Pole Base
- Pedestrian Pedestal
- Pedestrian Pushbutton
- Sign on a Post
- Traffic Signal Junction Box
- Utility Pole
- Utility Vault
- Water Meter
- Water Valve
- Cross Walk Barricade

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All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

CURB RAMP LEGEND AND CORNER IDENTIFICATION

2024

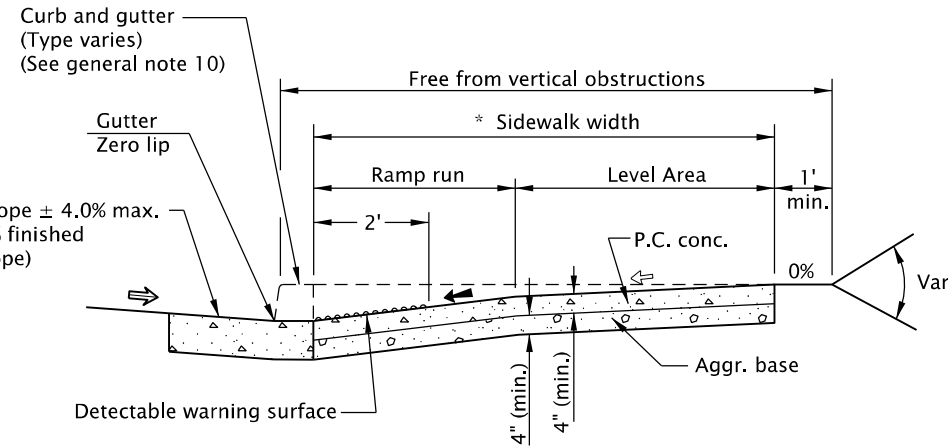
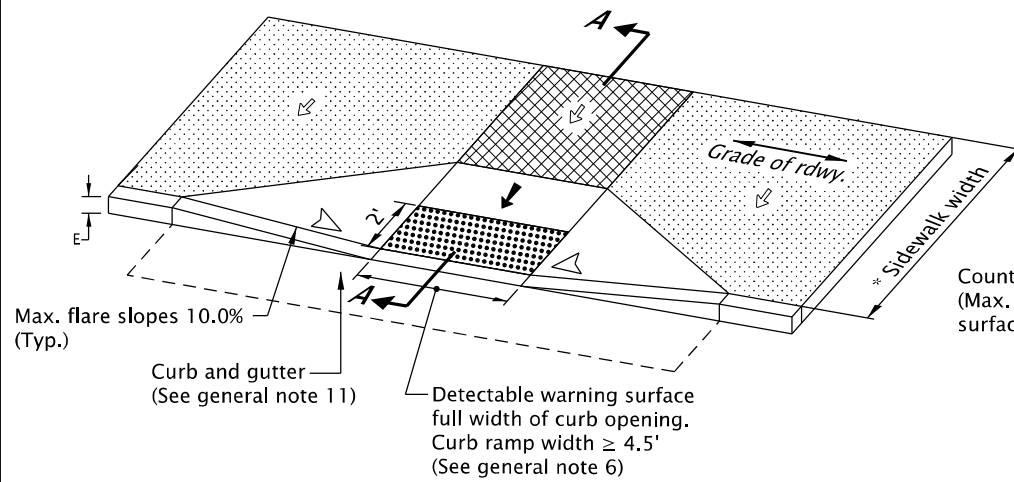
DATE	REVISION	DESCRIPTION
07-2020	NEW DRAWING CREATED	
09-2021	REVISED NOTES	
12-2023	REVISED NOTES	

CALC. BOOK NO. ---	N/A ---	SDR DATE: 19-JAN-2024	RD901
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Effective Date: June 1, 2024 – November 30, 2024

14-JAN-2022

RD910.dgn



PERPENDICULAR CURB RAMP DETAIL

(Use "Parallel Curb Ramp Detail" or "Combination Curb Ramp Detail" when reqd. turning space cannot be obtained)

SECTION A-A

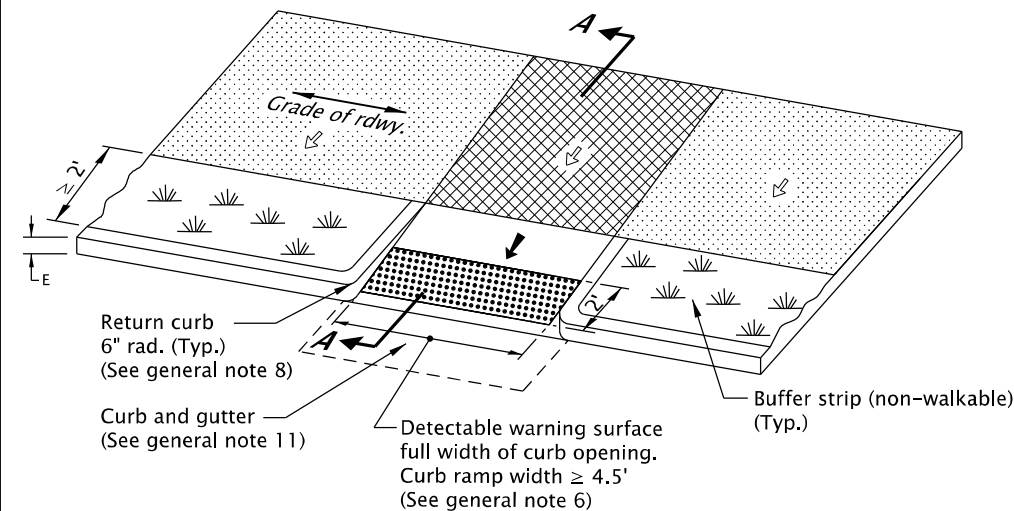
* NOTE: Minimum width of 14.25 feet sidewalk for E=7''

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

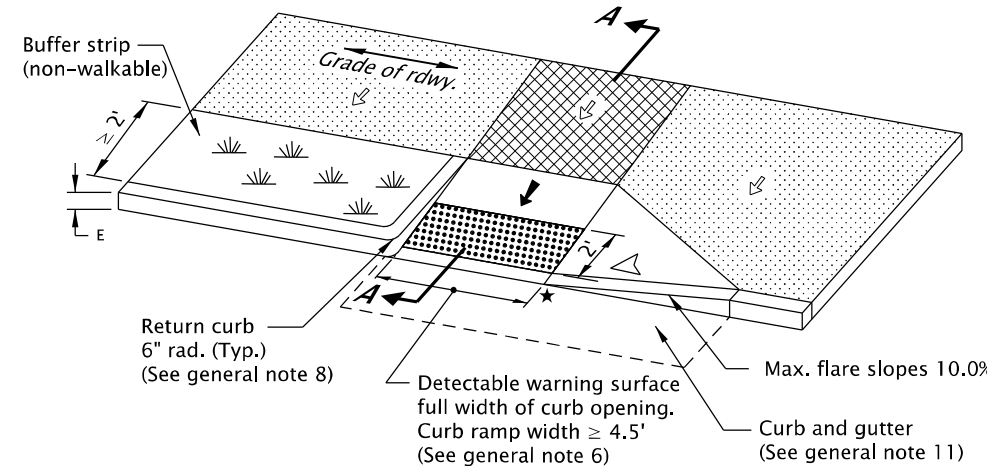
1. Curb ramp details are based on applicable ODOT Standards.
2. See Std. Dwgs. RD700 & RD701 for curbs.
See Std. Dwgs. RD720 & RD721 for sidewalks.
See Std. Dwgs. RD902 through RD908 for detectable warning surface installation details.
See Std. Dwgs. RD912 through RD916 for curb ramp placement options.
3. Site conditions normally require a project specific design. See project plans for details not shown.
4. Tooled dummy joints are required at all curb ramp grade break lines, (see Std. Dwg. RD722).
5. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
6. Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
7. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
8. Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping, see Std. Dwg. RD721. Return curb shall not reduce width of approaching sidewalk.
9. Curb ramps for shared use paths intersecting a roadway shall be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp opening will be ≥ 8' wide, (see Std. Dwg. RD909 for additional details).
10. Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
11. On or along state highways, curb and gutter is required at curb ramps.

LEGEND:

- Sidewalk
- Detectable warning surface
- Level area (Turning space/landing)
Unobstructed 4.5' x 4.5'
With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing).
For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
- Cross slope 1.5% max.
(Max. 2.0% finished surface slope)
(Normal sidewalk cross slope)
- Running slope 7.5% max.
(Max. 8.3% finished surface slope)
- Counter slope 4.0% max. ascending or descending,
(Max. 5.0% finished surface slope)
Slope as required for drainage
- Flare slope
(Max. 10% finished surface slope)



THROUGH BUFFER STRIP



WITH SINGLE FLARE

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







All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
PERPENDICULAR CURB RAMP			
2024			
DATE	REVISION	DESCRIPTION	
12-2021	NEW DRAWING CREATED		
01-2022	REVISED NOTES		
CALC. BOOK NO.	N/A	SDR DATE	14-JAN-2022
			RD910

Effective Date: December 1, 2023 – May 31, 2024

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on applicable ODOT Standards.
2. See project plans for details not shown.
See Std. Dwgs. RD700 & RD701 for curbs.
See Std. Dwgs. RD720 & RD721 for sidewalks.
See Std. Dwgs. RD902 through RD908 for detectable warning surface installation details.
3. Site conditions normally require a project specific design. See project plans for details not shown.
4. Tooled dummy joints are required at all curb ramp slope break lines, (see Std. Dwg. RD722).
5. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
6. Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
7. Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
8. Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping, see Std. Dwg. RD721. Return curb shall not reduce width of approaching sidewalk.
9. Curb ramps for shared use paths intersecting a roadway shall be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp opening will be $\geq 8'$ wide, (see Std. Dwg. RD909 for additional details).
10. On or along state highways, curb and gutter is required at curb ramps.
11. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.

LEGEND:

-  Marked or intended crossing location
-  Sidewalk
-  Detectable warning surface
-  Level area (Turning space/landing)
Unobstructed 4.5' x 4.5'
With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing).
For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
-  Cross slope 1.5% max.
(Max. 2.0% finished surface slope)
(Normal sidewalk cross slope)
-  Running slope 7.5% max.
(Max. 8.3% finished surface slope)
-  Counter slope 4.0% max. ascending or descending,
(Max. 5.0% finished surface slope)
Slope as required for drainage
-  Flare slope
(Max. 10% finished surface slope)

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OREGON STANDARD DRAWINGS

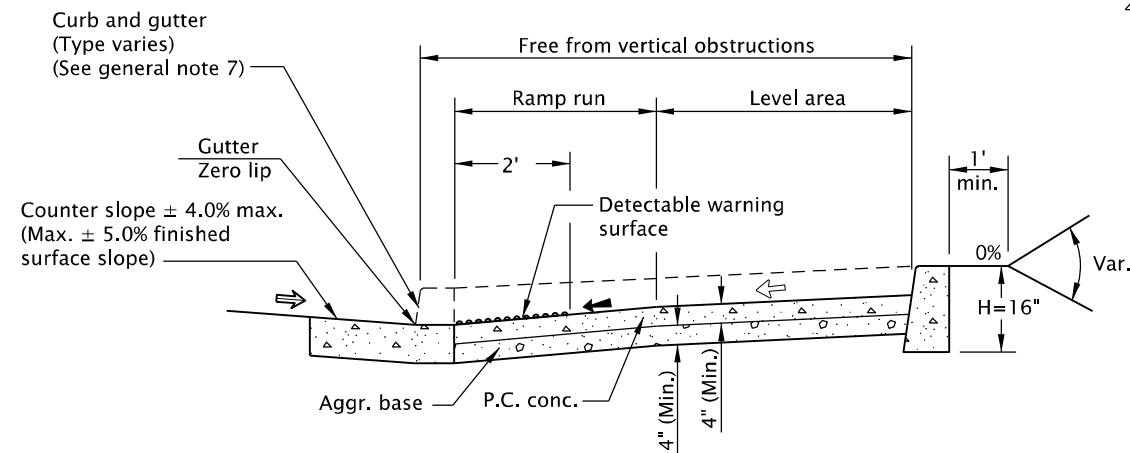
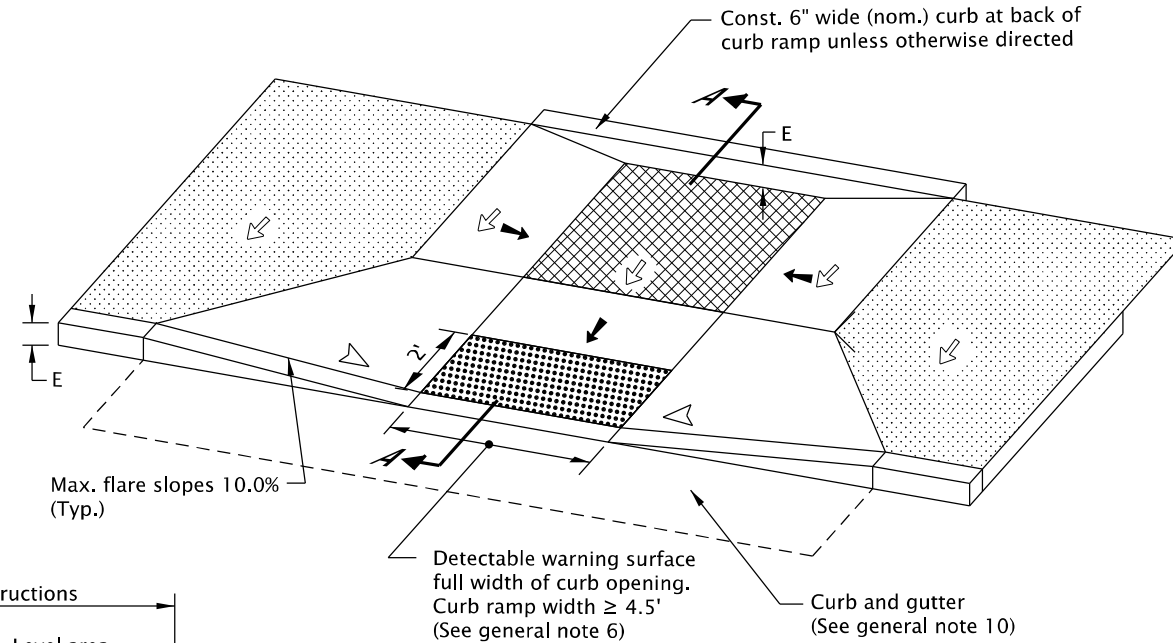
COMBINATION CURB RAMP

2024

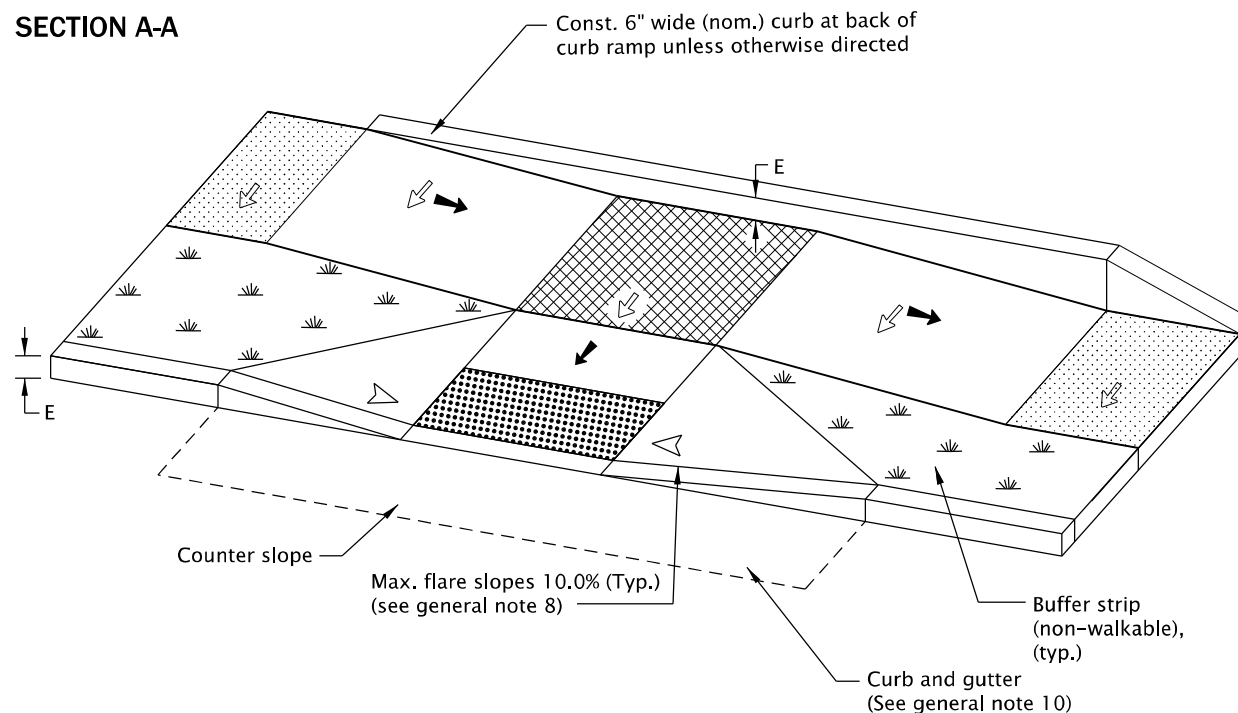
DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
07-2021	REVISED DETAIL AND NOTES
01-2022	REVISED NOTES

CALC. BOOK NO.	N/A	SDR DATE 14-JAN-2022	RD930
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Effective Date: December 1, 2023 – May 31, 2024



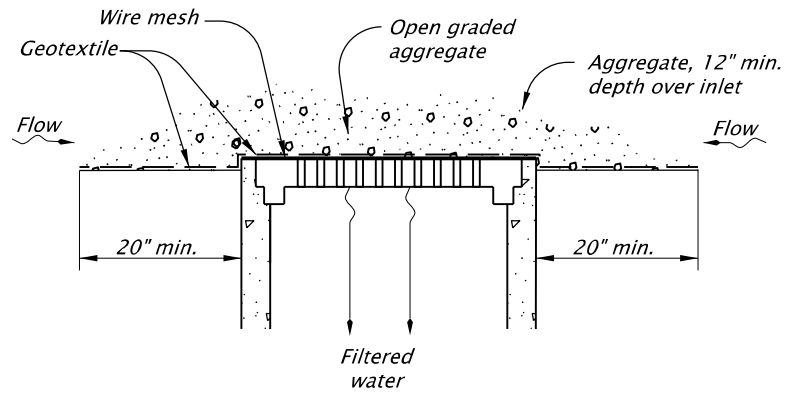
SECTION A-A



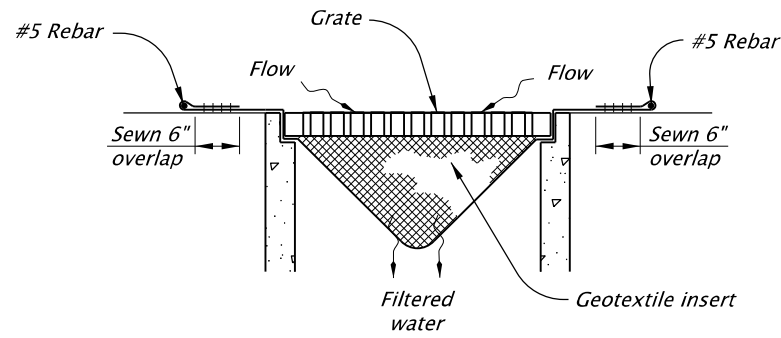
COMBINATION CURB RAMP DETAIL

20-JAN-2021

RD1010.dgn

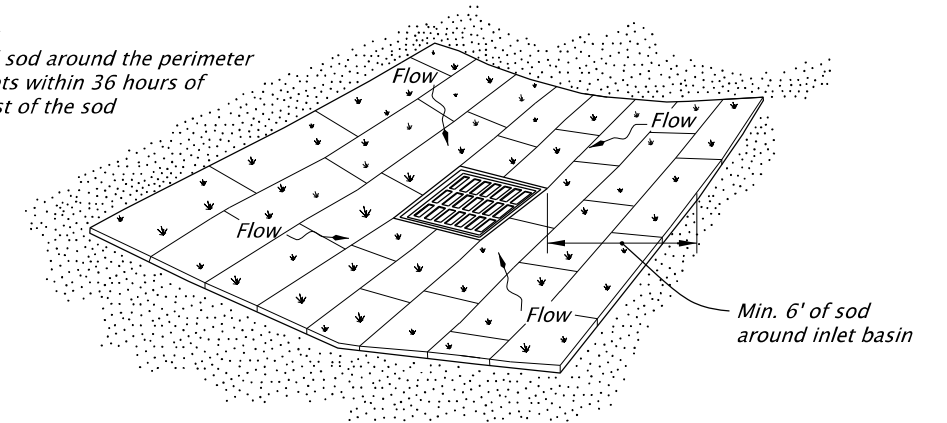


GEOTEXTILE/WIRE MESH/AGGREGATE - TYPE 2
NOT TO SCALE

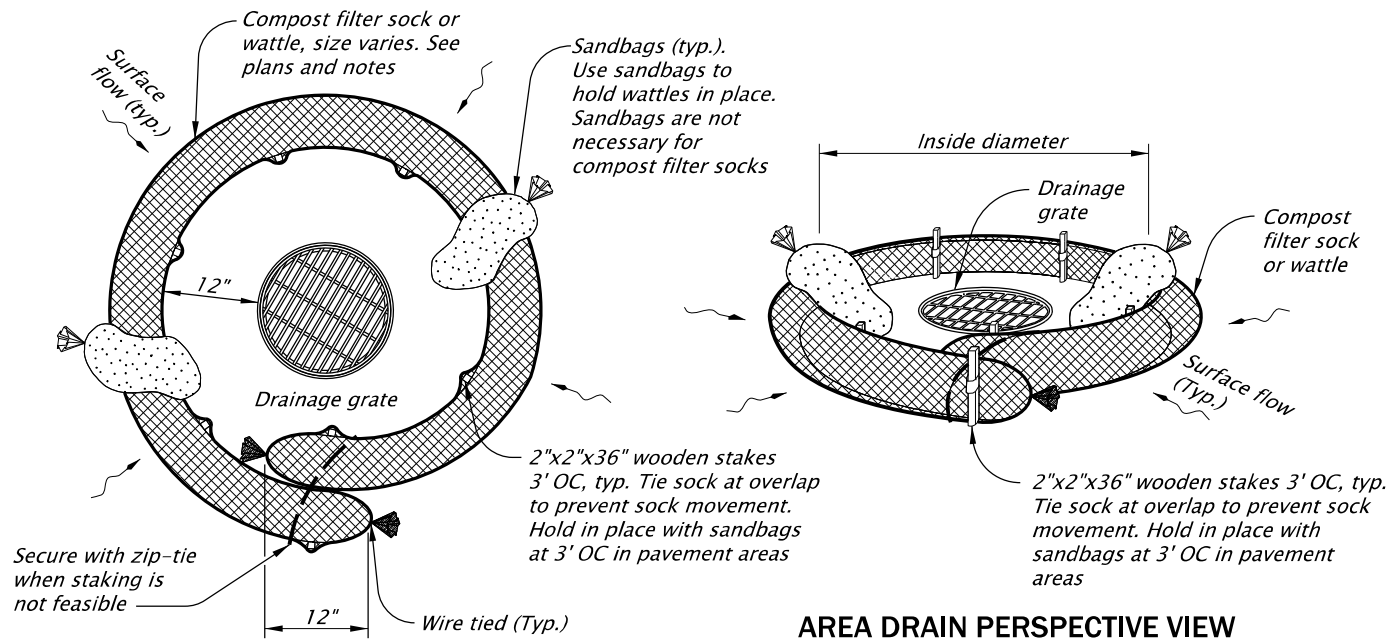


PREFABRICATED FILTER INSERT - TYPE 3
NOT TO SCALE

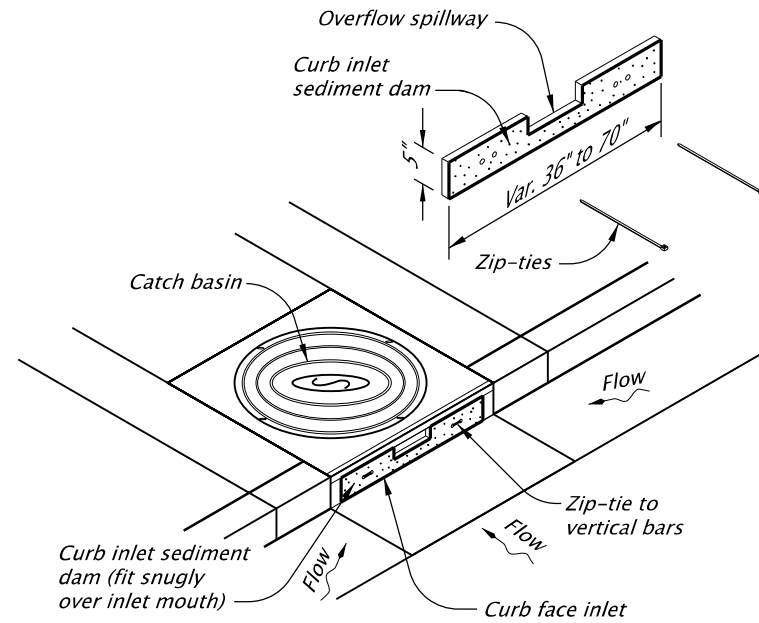
NOTE:
Install sod around the perimeter
of inlets within 36 hours of
harvest of the sod



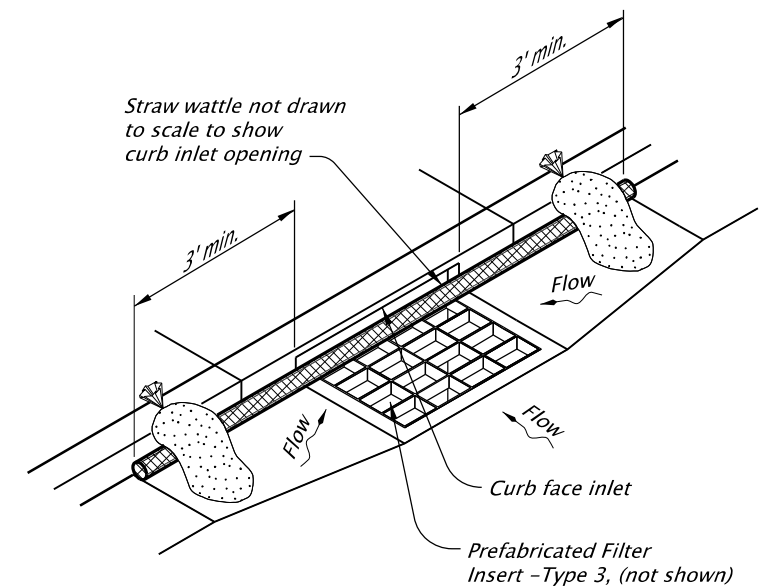
SOD PROTECTION - TYPE 6
NOT TO SCALE



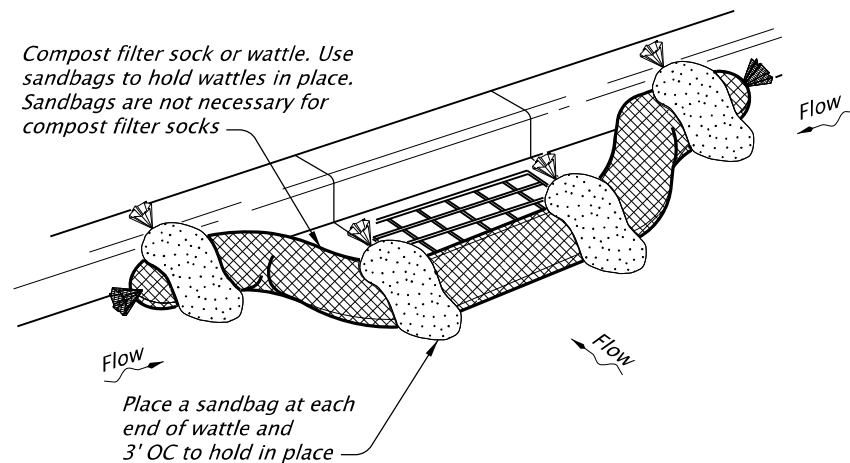
AREA DRAIN PERSPECTIVE VIEW



CURB INLET SEDIMENT DAM - TYPE 10
NOT TO SCALE



WATTLE BARRIER WITH FILTER INSERT - TYPE 11
NOT TO SCALE



COMPOST FILTER SOCK OR WATTLE - TYPE 7
NOT TO SCALE

NOTES:
Type 2 - Geotextile/wire mesh/aggregate
Place the wire mesh over the grate.
Place sediment fence geotextile over the
wire mesh and perimeter area around
structure.
Install aggregate over the geotextile fabric.

Type 3 - Prefabricated filter inserts
Install prefabricated filter inserts according
to the plans, special provisions, and
manufacturer recommendations.
Prefabricated inserts with provisions for
overflow are allowed only when
accompanied by additional BMP's to
prevent the potential of sediments
entering project storm systems.
Field fabricated inserts are not allowed.

Type 7 - Compost filter sock
Drive 2"x2" wood stakes a minimum of
6" into ground and flush with the top
of the sock.
Overlap ends of sock per manufacturers
recommendations (12" min., 36" max.).
Use 8" to 12" dia sock on curbside in traffic
areas.

(Type 7 cont.)
Use 12" to 18" dia sock in non-traffic areas
or areas where the larger socks can be
used safely.
use synthetic mesh socks for temporary
installations.

Type 10 - Curb inlet sediment dam
Fit curb inlet sediment dam snugly into inlet
mouth. Curb inlet sediment dam is
required for use with inlet filter insert
where at-grade inlet grate and curb inlet
are combined at a catch basin.

Type 11 - Wattle barrier with filter insert
Install prefabricated filter insert per Type 3
detail.
Install wattles over opening and 36" to each
side of opening tight against curb. Adjust
wattle to force storm water to flow through
filter insert or wattle prior to leaving the
site.
Adjust, replace or modify the inlet protection
as needed to prevent sediment laden water
from entering the catch basin.

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and should not be used without
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Professional Engineer.

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the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

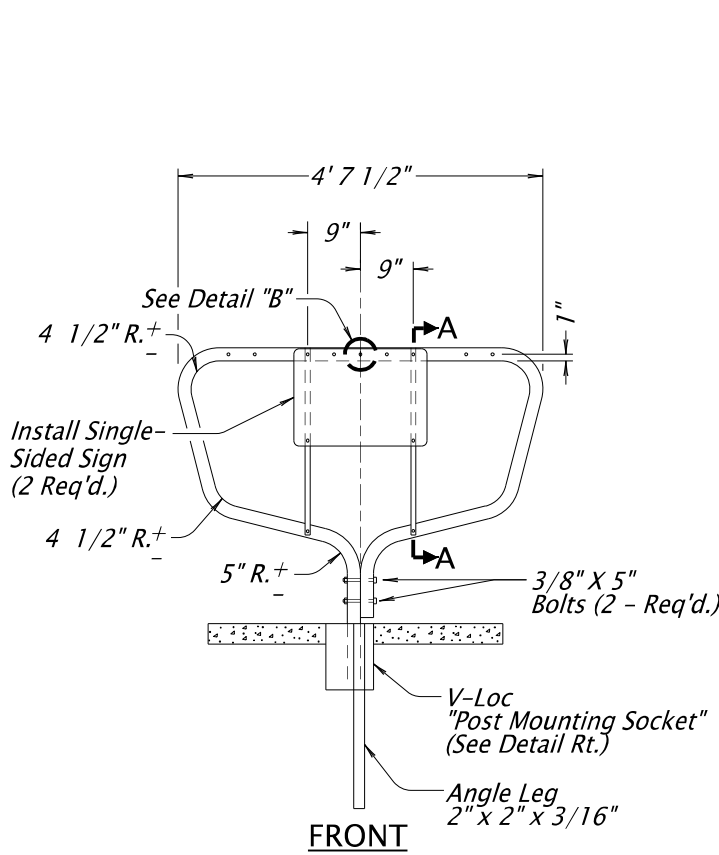
**INLET PROTECTION
TYPE 2, 3, 6, 7, 10 AND 11**

2024

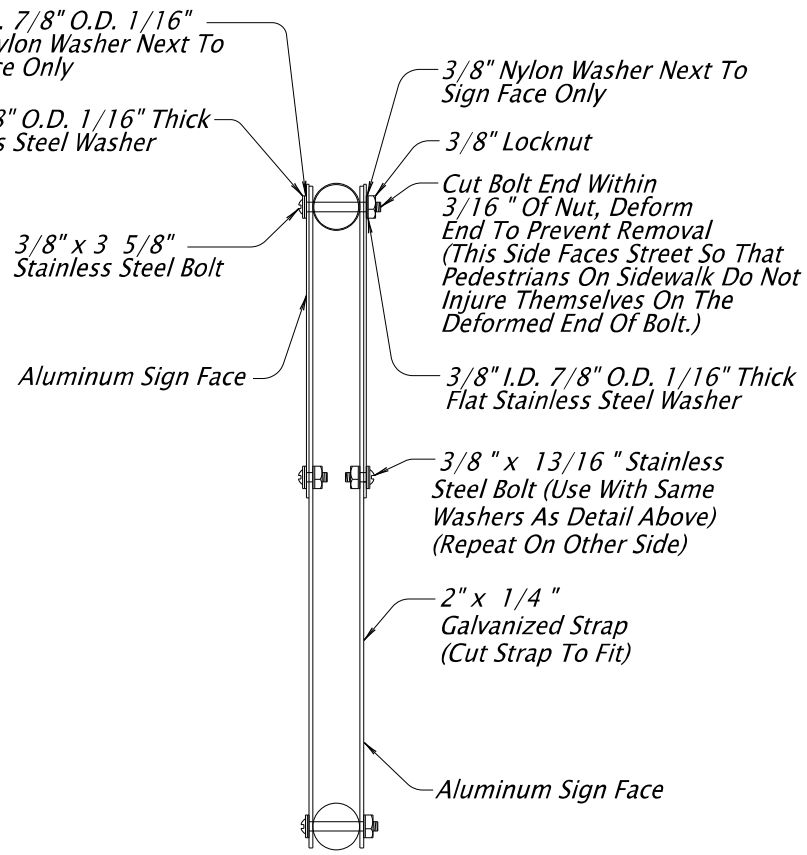
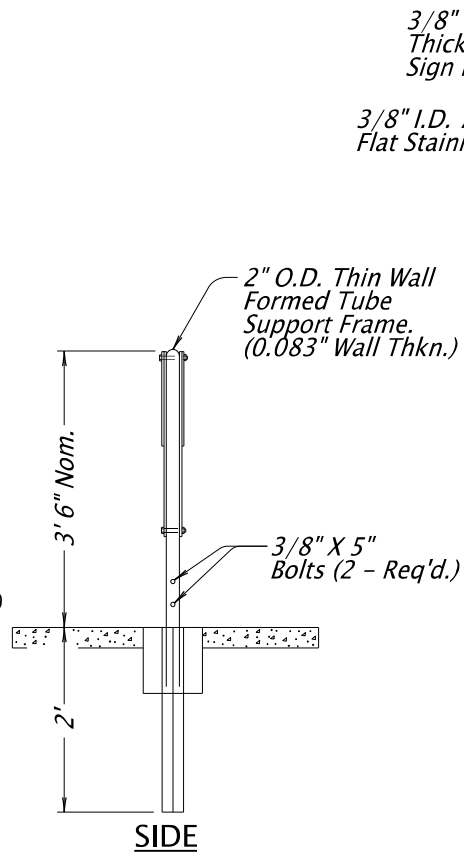
DATE	REVISION	DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS	
01-2021	MOVED NOTES UP FROM OVERLAPPING THE SHEET BORDER	

CALC. BOOK NO. ---	N/A ---	SDR DATE 20-JAN-2021	RD1010
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Effective Date: June 1, 2024 - November 30, 2024



CROSSWALK CLOSURE SUPPORT DETAIL

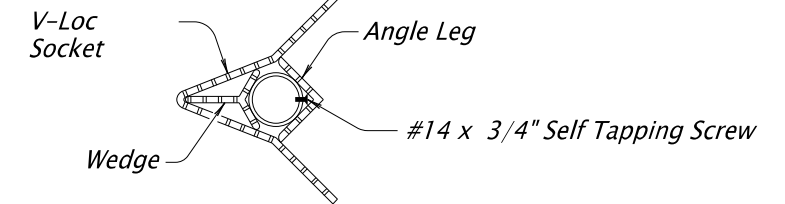


SECTION A-A



SIGN DETAIL
OR22-7
24" x 18"

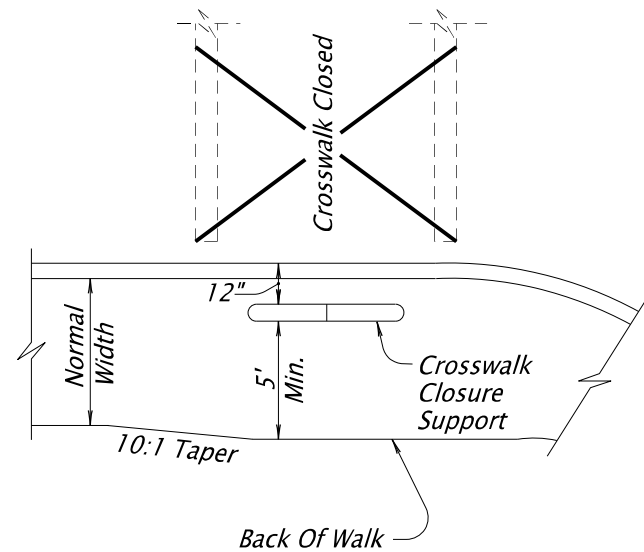
Drill 3/8" Dia. Bolt Hole At Each Corner Where Needed.



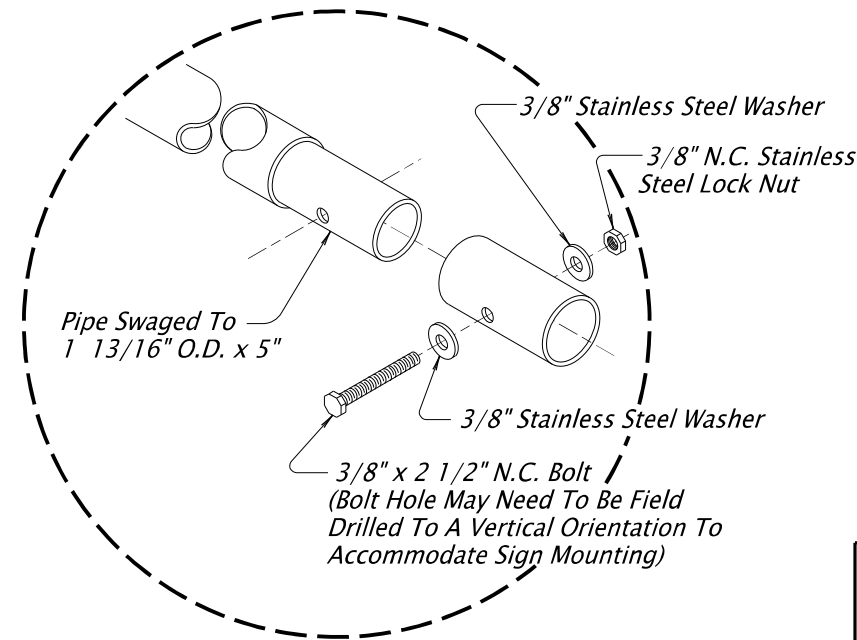
POST MOUNTING SOCKET

For Additional Details See Standard Drg. No. RD100

NOTE:
Care Shall Be Taken That No Concrete Is Placed Within Mounting Socket.



PLAN VIEW



DETAIL "B"

GENERAL NOTES:

1. All Holes In The Tube Support Frame To Be Predrilled By The Manufacturer. (1/32" Larger Than Mounting Bolt)
2. Pipe Swaged By The Manufacturer.

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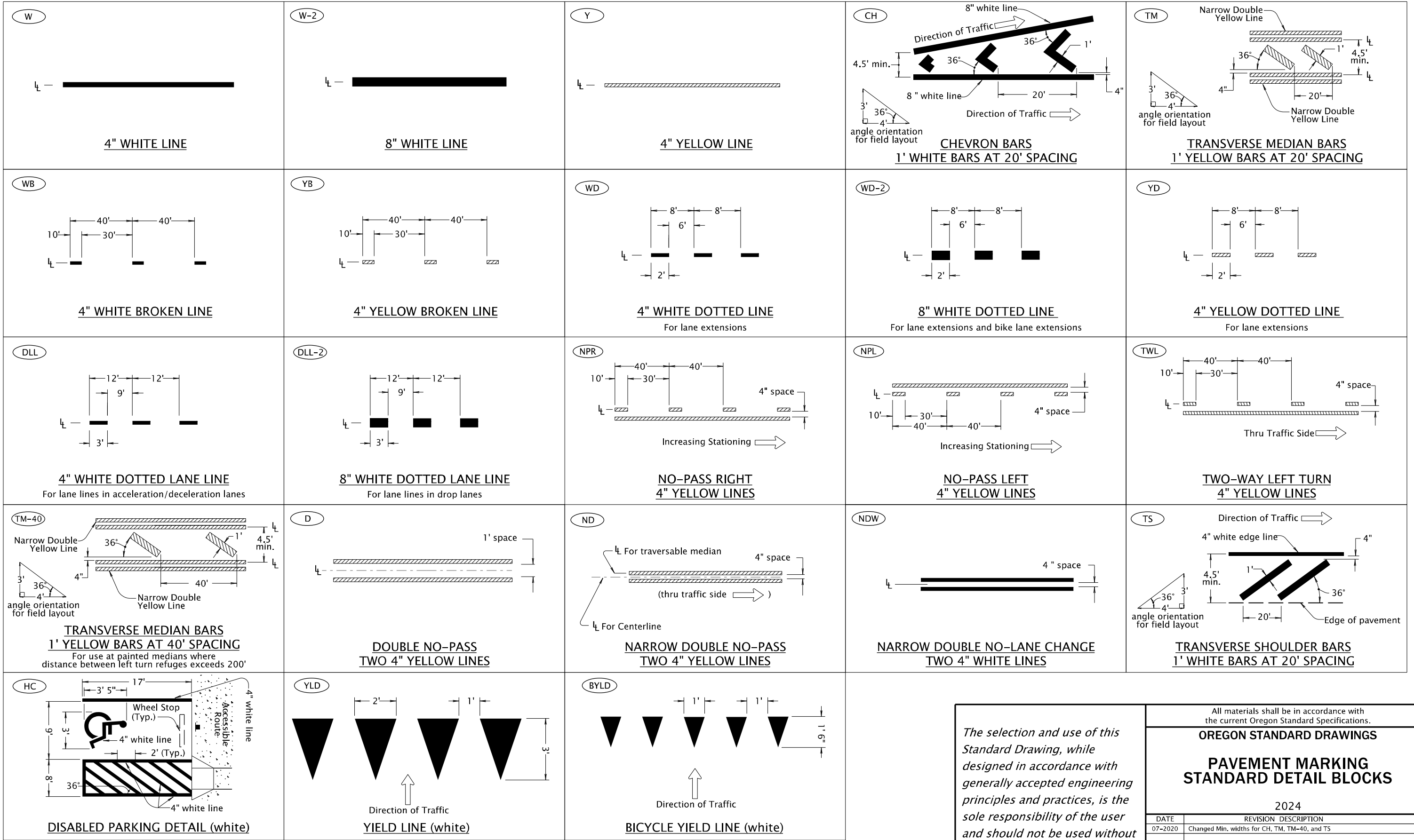
OREGON STANDARD DRAWINGS

CROSSWALK CLOSURE DETAIL

2024

DATE	REVISION	DESCRIPTION

CALC. BOOK NO.	N/A	SDR DATE	02-JUL-2018	TM240
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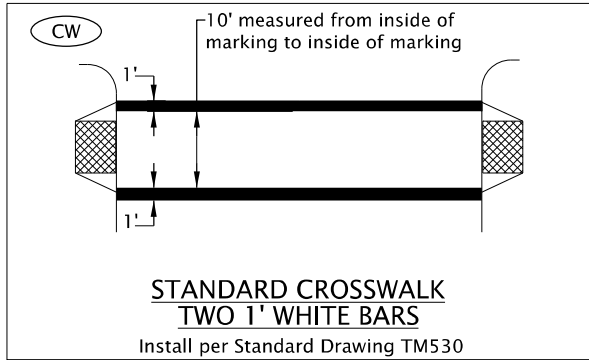
← Direction Of Traffic, Increasing Stationing Or Thru Traffic Side

⊥ Lane line dimensions are shown on the striping plans

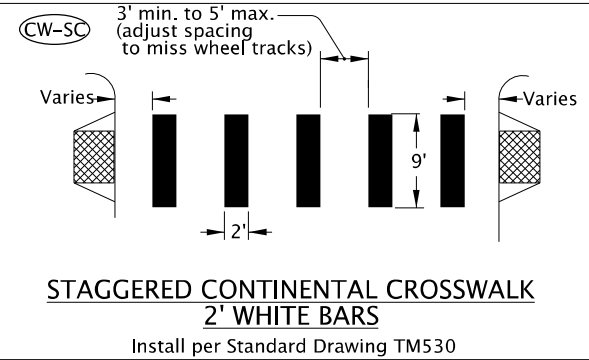
LEGEND

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

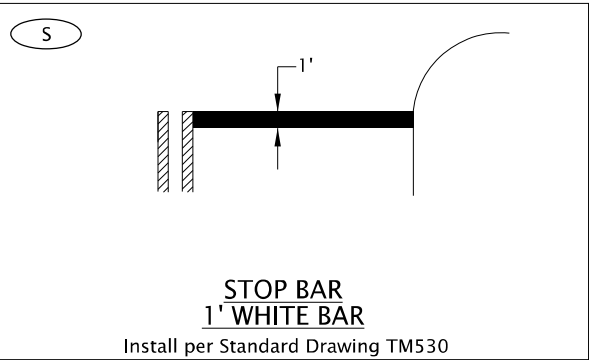
All materials shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
PAVEMENT MARKING STANDARD DETAIL BLOCKS	
2024	
DATE	REVISION DESCRIPTION
07-2020	Changed Min. widths for CH, TM, TM-40, and TS
CALC. BOOK NO.	SDR DATE
N/A	07-01-2020
TM500	



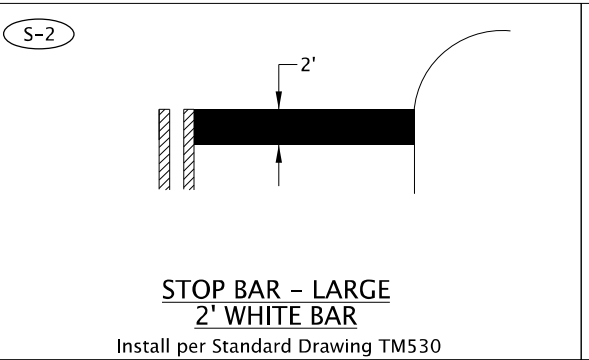
STANDARD CROSSWALK
TWO 1' WHITE BARS
Install per Standard Drawing TM530



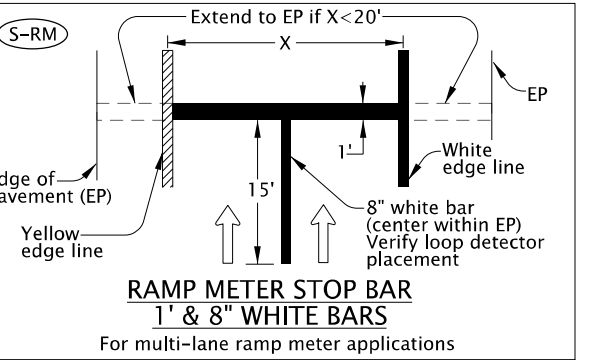
STAGGERED CONTINENTAL CROSSWALK
2' WHITE BARS
Install per Standard Drawing TM530



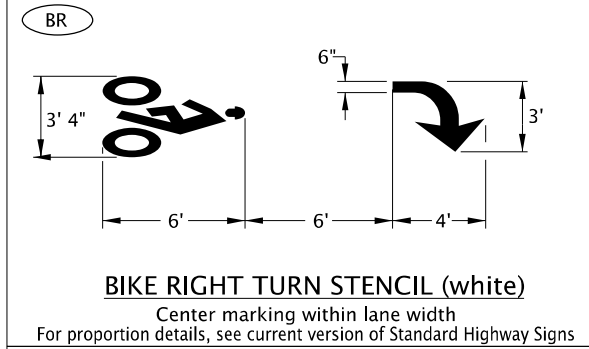
STOP BAR
1' WHITE BAR
Install per Standard Drawing TM530



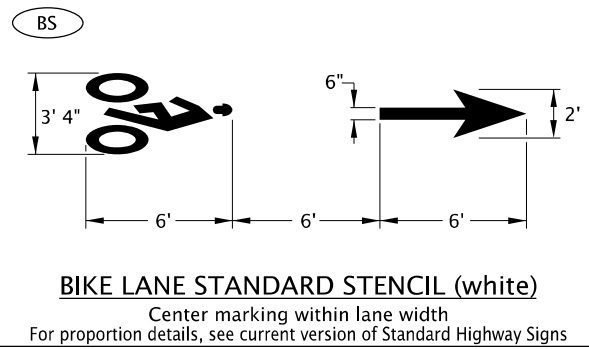
STOP BAR - LARGE
2' WHITE BAR
Install per Standard Drawing TM530



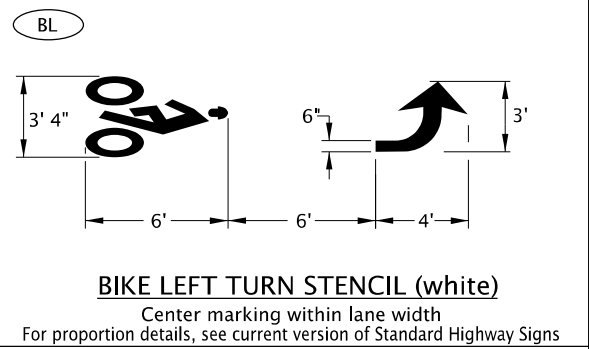
RAMP METER STOP BAR
1' & 8" WHITE BARS
For multi-lane ramp meter applications



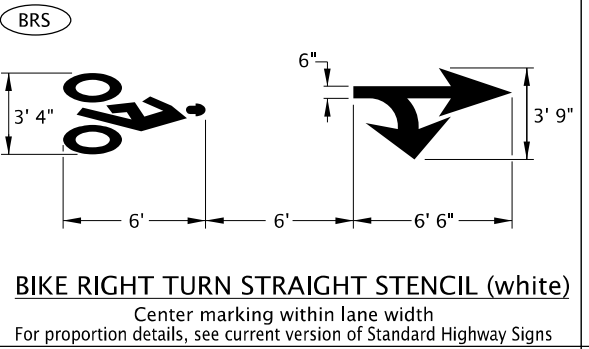
BIKE RIGHT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



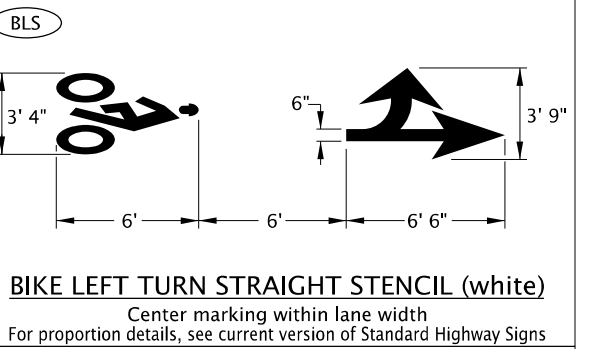
BIKE LANE STANDARD STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



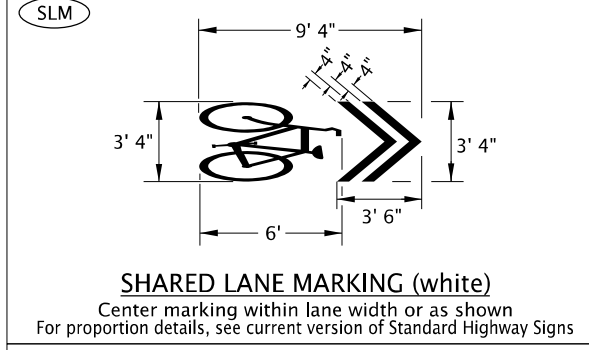
BIKE LEFT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



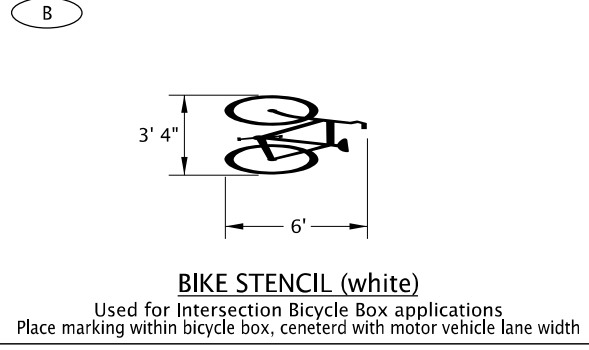
BIKE RIGHT TURN STRAIGHT STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



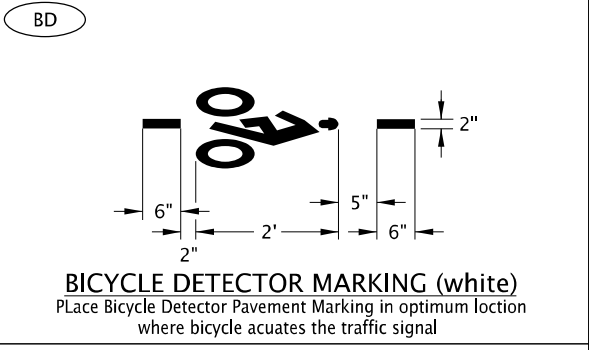
BIKE LEFT TURN STRAIGHT STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs



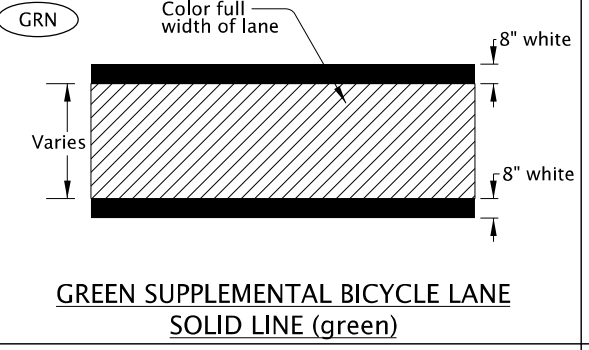
SHARED LANE MARKING (white)
Center marking within lane width or as shown
For proportion details, see current version of Standard Highway Signs



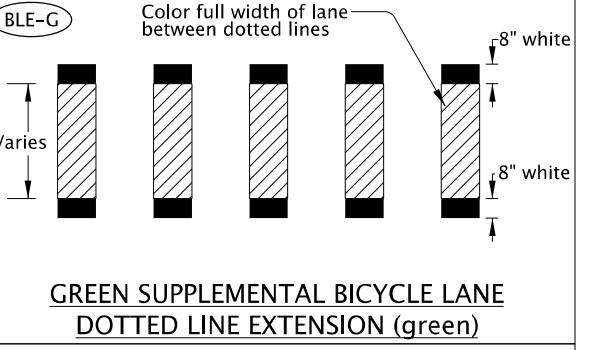
BIKE STENCIL (white)
Used for Intersection Bicycle Box applications
Place marking within bicycle box, centered with motor vehicle lane width



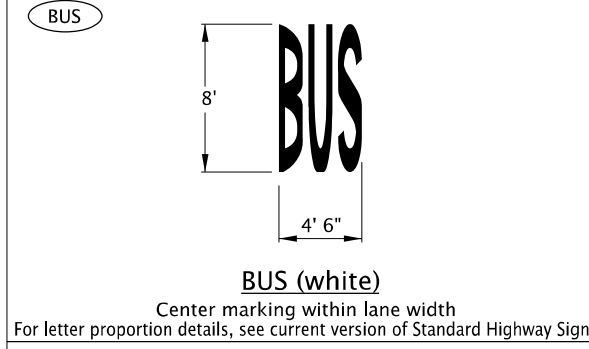
BICYCLE DETECTOR MARKING (white)
Place Bicycle Detector Pavement Marking in optimum location where bicycle acuates the traffic signal



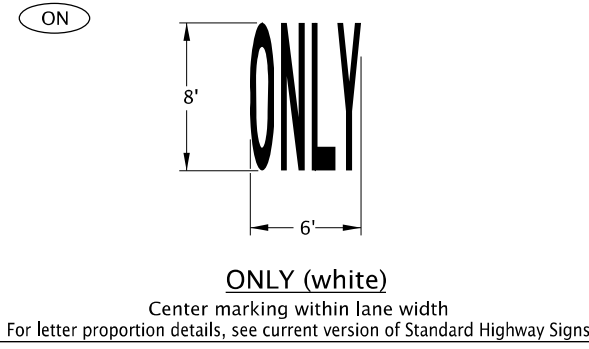
GREEN SUPPLEMENTAL BICYCLE LANE
SOLID LINE (green)



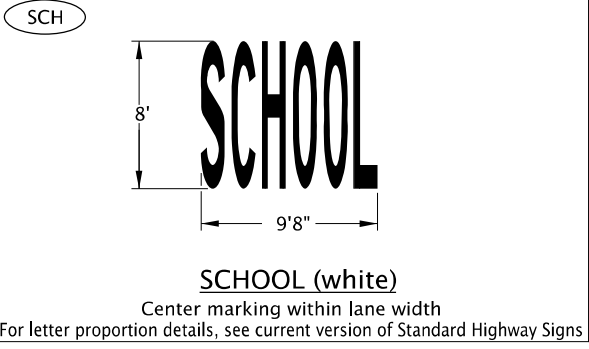
GREEN SUPPLEMENTAL BICYCLE LANE
DOTTED LINE EXTENSION (green)



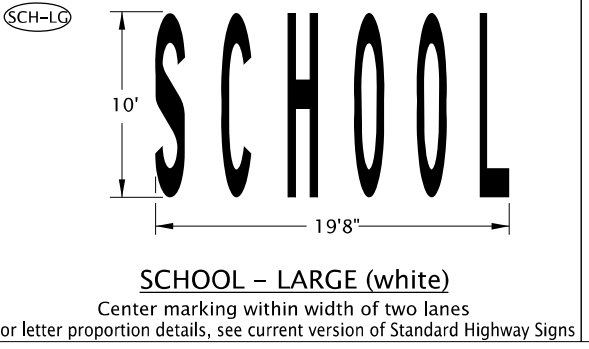
BUS (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



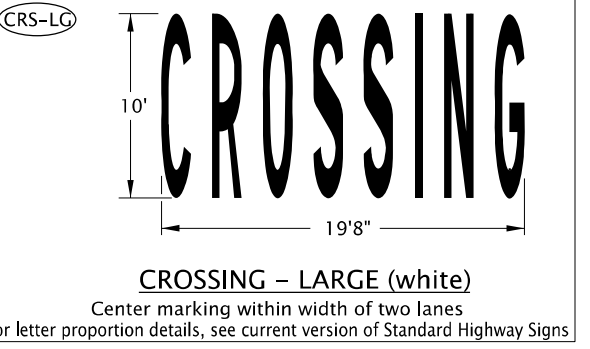
ONLY (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



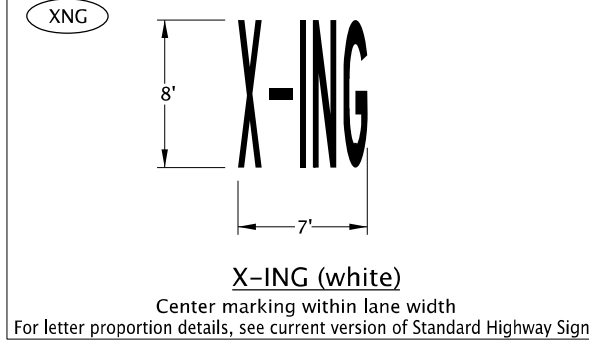
SCHOOL (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



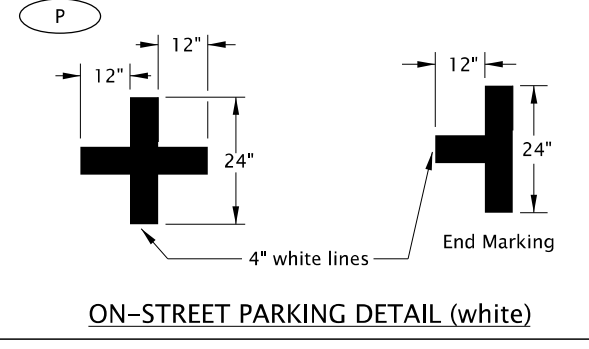
SCHOOL - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs



CROSSING - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs



X-ING (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs



ON-STREET PARKING DETAIL (white)

General Note:
1. Arrow, letter, and bike symbol dimensions nominal.

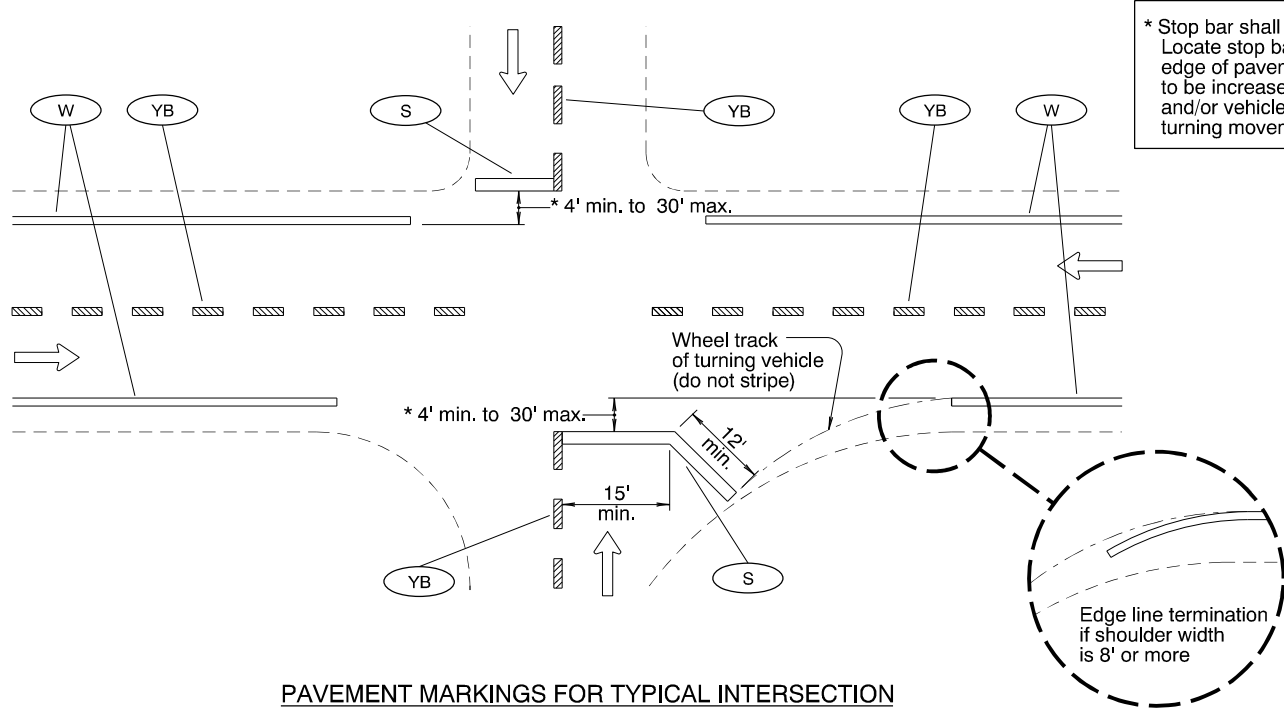
LEGEND
← Direction of Travel

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All materials shall be in accordance with the current Oregon Standard Specifications.		
OREGON STANDARD DRAWINGS		
PAVEMENT MARKING		
STANDARD DETAIL BLOCKS		
2021		
DATE	REVISION DESCRIPTION	
07-2022	Added note for measurement of Standard Crosswalk	
CALC. BOOK NO.	N/A	SDR DATE: 07-08-2022
		TM503

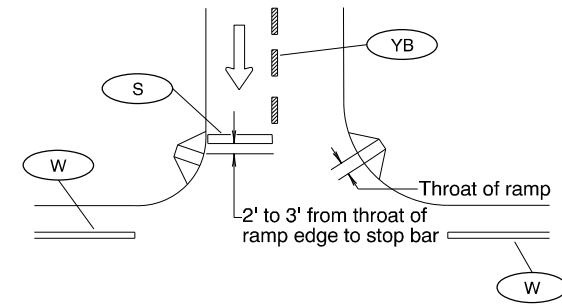
06-JUL-2022

TM530.dgn

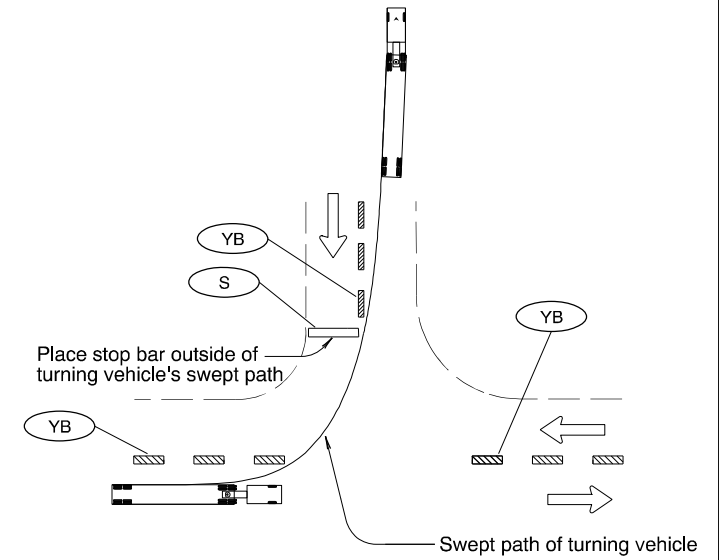


PAVEMENT MARKINGS FOR TYPICAL INTERSECTION

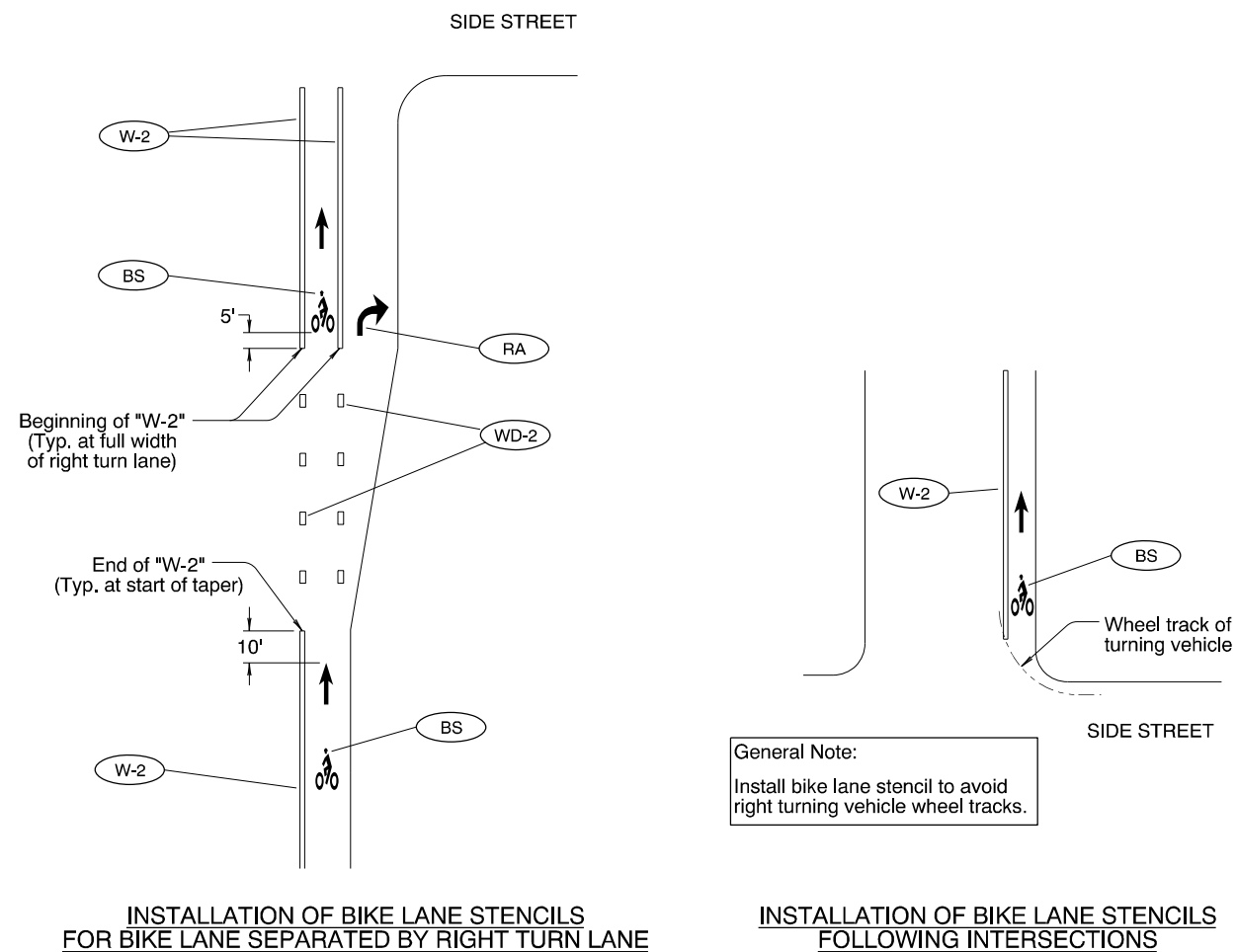
* Stop bar shall be placed as near as possible to the intersecting traveled way. Locate stop bar 4' min. to 30' max. in advance of the extended fog line, edge of pavement, or curb face. Minimum stop bar distance may need to be increased, depending on location of pedestrian ramps (see Detail "A") and/or vehicle turn radii (see Detail "B"). Field verify sight distance and truck turning movements.



Detail "A" STOP BAR PLACEMENT WITH RESPECT TO PEDESTRIAN RAMP

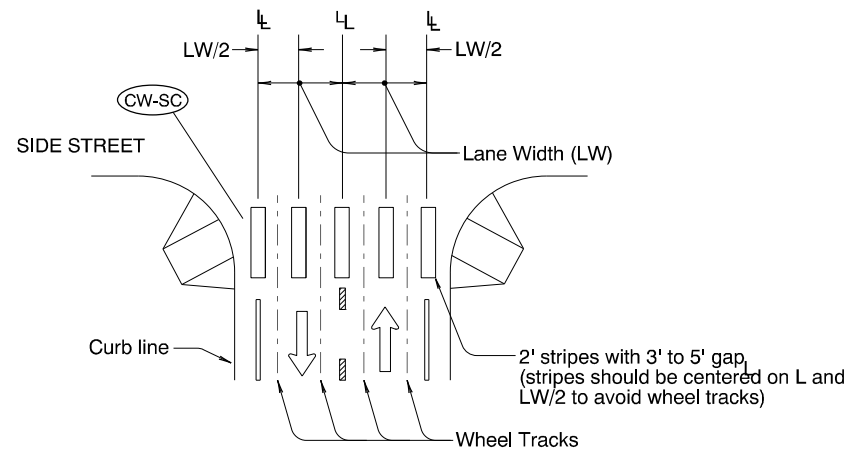


Detail "B" STOP BAR PLACEMENT WITH RESPECT TO TURN RADII



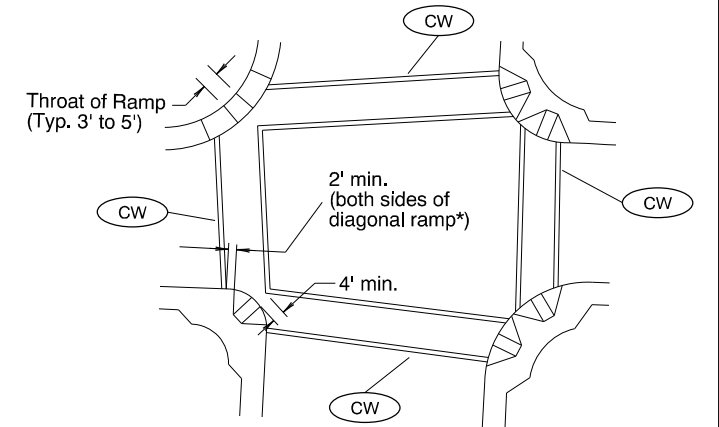
INSTALLATION OF BIKE LANE STENCILS FOR BIKE LANE SEPARATED BY RIGHT TURN LANE

INSTALLATION OF BIKE LANE STENCILS FOLLOWING INTERSECTIONS



STAGGERED CONTINENTAL LAYOUT

General Note:
1. Install crosswalk bars such that the throat of the ADA ramp is entirely within crosswalk markings, or 5' back of extended fog line, edge of pavement, or curb face.



STANDARD CROSSWALK BARS AT INTERSECTION

* = Refer to Std Dwg RD916

LEGEND

← Direction of Travel

L - Lane line dimensions are shown on the striping plans

To be accompanied by Standard Dwg. Nos. TM500 thru TM504

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All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

INTERSECTION PAVEMENT MARKINGS (CROSSWALK, STOP BAR & BIKE LANE STENCIL)

2021

DATE	REVISION	DESCRIPTION
07-2022	Added Roadway Standard Drawing reference to detail for clarity	

CALC. BOOK NO.	N/A	SDR DATE	06-JUL-2022	TM530
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Effective Date: June 1, 2023 - November 30, 2023

TAPER TYPES & FORMULAS	
TAPER	FORMULA
Merging (Lane Closure)	"L"
Shifting	"L"/2 or 1/2"L"
Shoulder Closure	"L"/3 or 1/3"L"
Flagging (See Drg. TM850)	50' - 100'
Downstream (Termination)	Varies (See Drawings)

★ Use Pre-Construction Posted Speed to select the Speed from the Tables below:

TEMPORARY BARRIER FLARE RATE TABLE	
★ SPEED (mph)	MINIMUM FLARE RATE
≤ 30	8:1
35	9:1
40	10:1
45	12:1
50	14:1
55	16:1
60	18:1
65	19:1
70	20:1

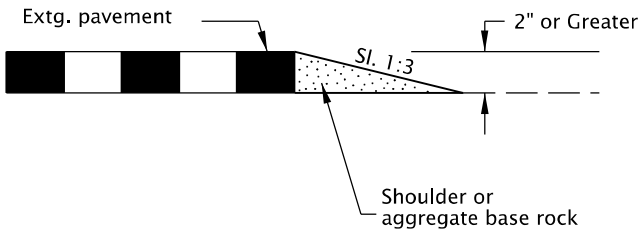
MINIMUM LENGTHS TABLE					
"L" VALUE FOR TAPERS (ft)					BUFFER "B" (ft)
★ SPEED (mph)	W = Lane or Shoulder Width being closed or shifted				
	W ≤ 10'	W = 12'	W = 14'	W = 16'	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365
FREEWAYS					
55	1000	1000	1000	1000	250
60	1000	1000	1000	1000	285
65	1000	1000	1000	1000	325
70	1000	1000	1000	1000	365

- NOTES:
- For Lane closures where W < 10', use "L" value for W = 10'.
 - For Shoulder closures where W < 10', use "L" value for W = 10' or calculate "L" using formula, for Speeds ≥ 45: L = WS, Speeds < 45: L = S²W/60, S = Speed, W=Width

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE				
★ SPEED (mph)	Sign Spacing (ft)			Max. Channelizing Device Spacing (ft)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
Freeway	1000	1500	2640	40

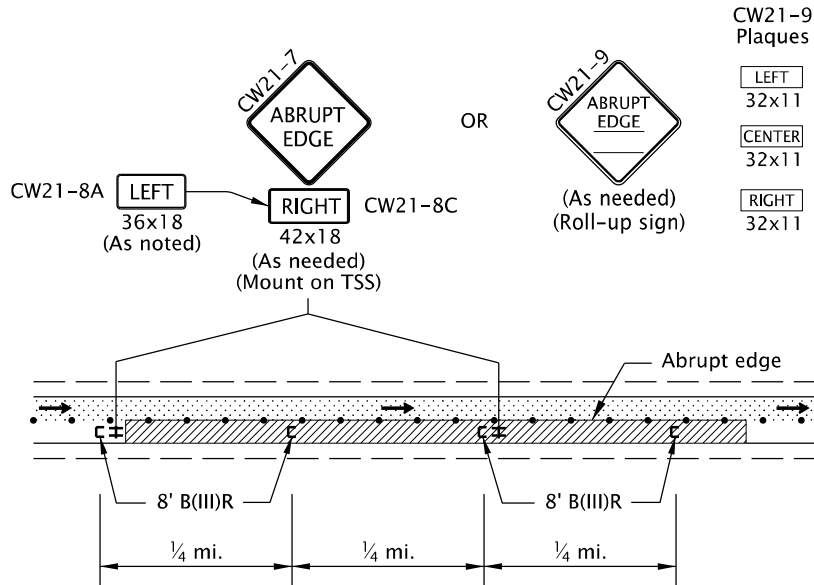
- NOTES:
- Place traffic control devices on 10 ft. spacing for intersection and access radii.
 - When necessary, sign spacing may be adjusted to fit site conditions. Limit spacing adjustments to 30% of the "A" dimension for all speeds.

- NOTES:
- When paved shoulders adjacent to excavations are less than four feet wide protect longitudinal abrupt edge as shown.
 - Use aggregate wedge when abrupt edge is 2 inches or greater.



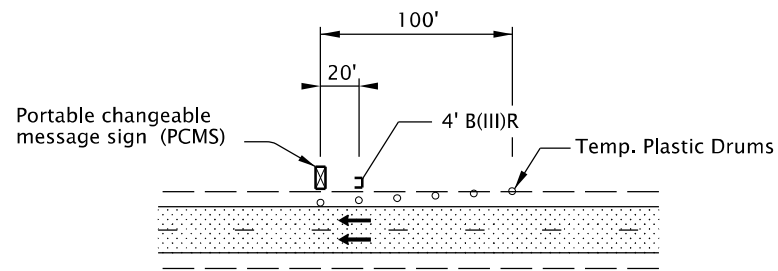
EXCAVATION ABRUPT EDGE

- NOTES:
- Abrupt edges may be created by paving, operations, excavations or other roadway work. Use abrupt edge signing for longitudinal abrupt edges of 1 inch or greater.
 - If the excavation is located on left side of traffic, replace the 8' B(III)R barricades with 8' B(III)L barricades and replace the "RIGHT" (CW21-8C) riders with "LEFT" (CW21-8A) riders.
 - Continue signing and other traffic control devices throughout excavation area at spacings shown.
 - If roll-up signs are used, attach the correct (CW21-9) plaques to the sign face using hook and loop fasteners. Place roll-up signs in advance of barricades.



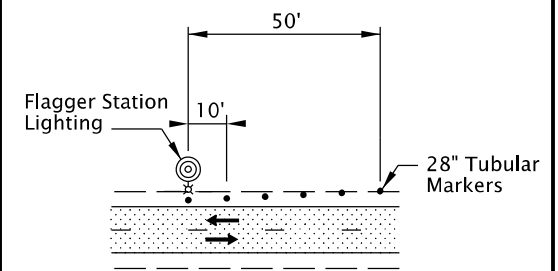
TYPICAL ABRUPT EDGE DELINEATION

- NOTES:
- Install PCMS beyond the outside shoulder, when possible.
 - Use the appropriate type of barricade panels for PCMS location. Right shoulder, use Type B(III)R. Left shoulder, use Type B(III)L.
 - Use six drums in shoulder taper on 20' spacing. The drums and barricade may be omitted when PCMS is placed behind a roadside barrier.
 - Detail as shown is used for trailered and non-crashworthy components of:
 - Portable Traffic Signals
 - Smart Work Zone Systems



PORTABLE CHANGEABLE MESSAGE SIGN (PCMS) INSTALLATION

- NOTES:
- Install Flagger Station Lighting beyond the outside shoulder, where practical.
 - Use six tubular markers in shoulder taper on 10' spacing.
 - Place cart / generator / power supply off of the shoulder, as far as practical.



FLAGGER STATION LIGHTING DELINEATION

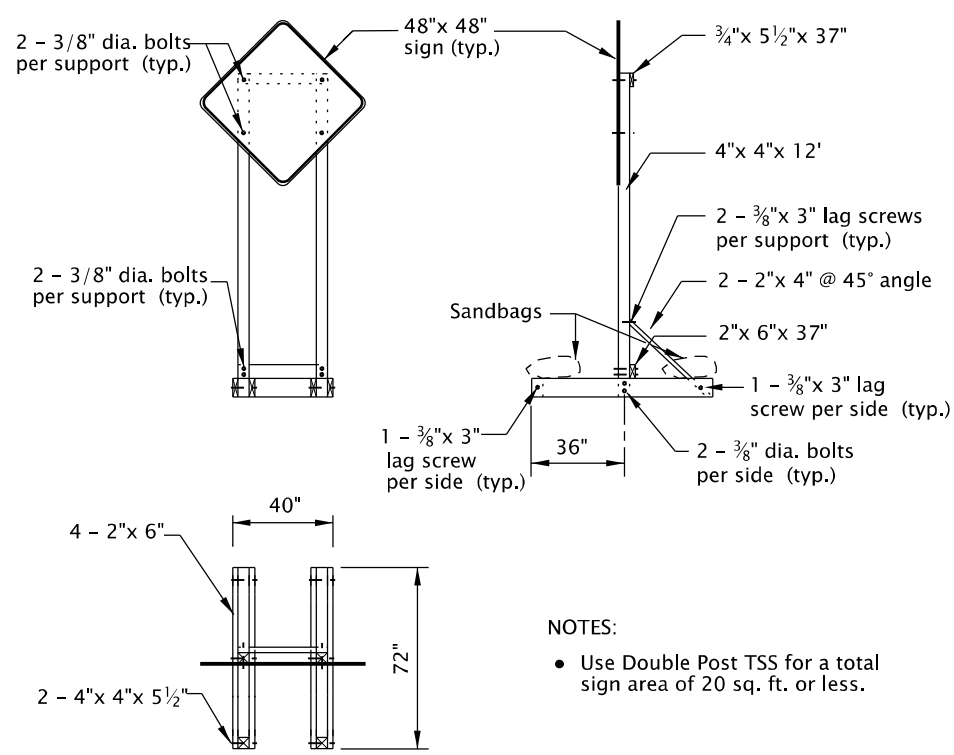
- GENERAL NOTES FOR ALL TCP DRAWINGS:
- Signs and other Traffic Control Devices (TCD) shown are the minimum required.
 - Place a barricade approx. 20' ahead of all sequential arrow boards.
 - Arrows shown in roadway are directional arrows to indicate traffic movements.
 - All signs are 48" x 48" unless otherwise shown. Use fluorescent orange sheeting for the background of all temporary warning signs.
 - All diamond shaped warning signs mounted on barrier sign supports shall be 36" by 36". All other signs mounted on barrier sign supports shall not exceed 12 sq. ft. in total sign area.
 - Low speed highways have a pre-construction posted speed of 40 mph or less. High speed highways have a pre-construction posted speed of 45 mph or higher.
 - Do not locate sign supports in locations designated for bicycle or pedestrian traffic.
 - Combine drawing details to complete temporary traffic control for each work activity.
 - Coordinate and control pedestrian movements through a Temporary Accessible Route using Flaggers, Traffic Control Measures, or as directed.
 - To be accompanied by Dwg. Nos. TM820 & TM821.

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All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
TABLES, ABRUPT EDGE AND PCMS DETAILS			
2024			
DATE	REVISION DESCRIPTION		
07-2022	Added a note for TPARs		
CALC. BOOK NO.	N/A	SDR DATE	01-JUL-2022
			TM800

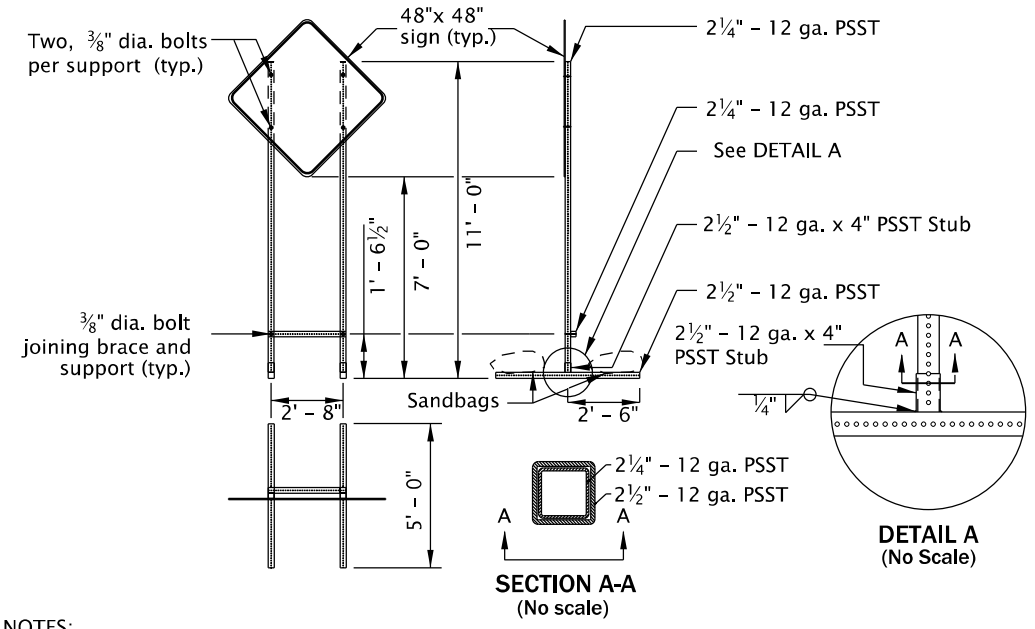
14-JUL-2023

TM821.dgn



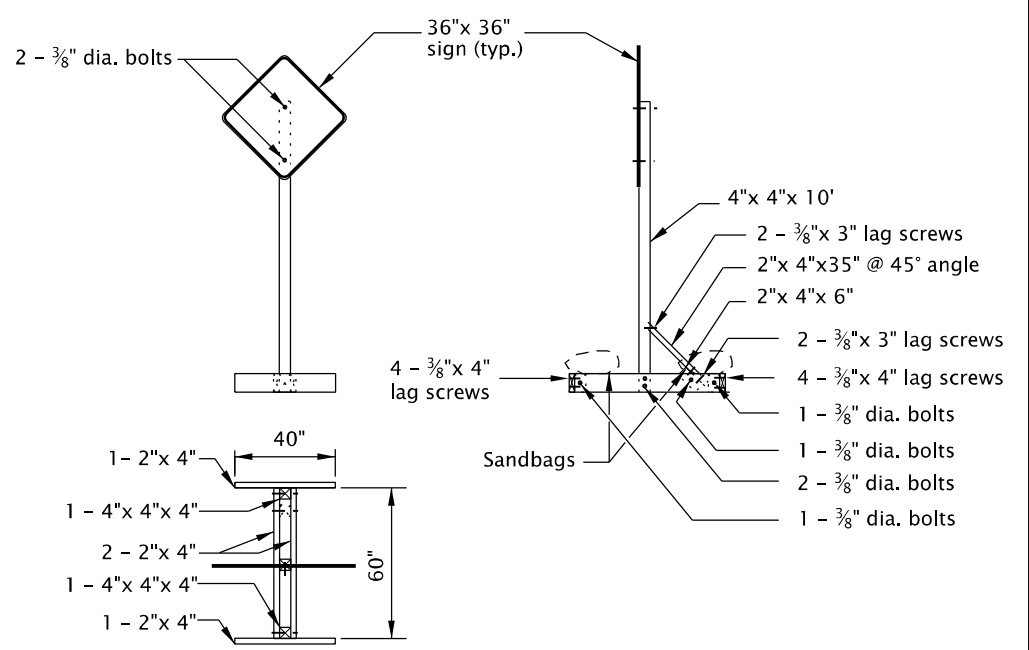
- NOTES:
- Use Double Post TSS for a total sign area of 20 sq. ft. or less.

DOUBLE POST DETAIL



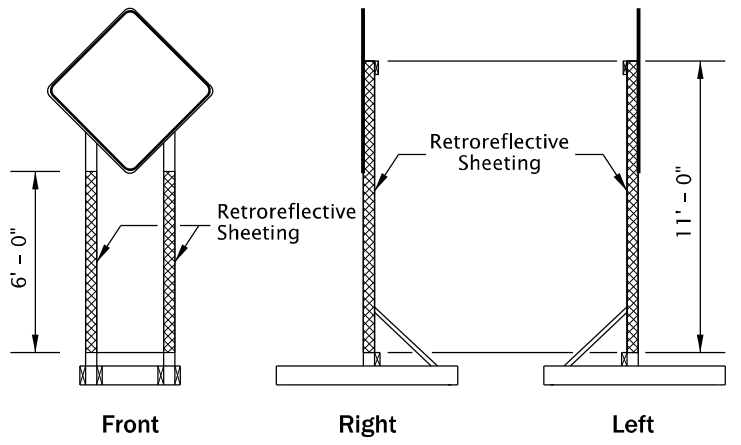
- NOTES:
- Use PSST TSS's for a total sign area of 16 sq. ft. or less.
 - All members shall have a minimum yield stress of 50 ksi.
 - Galvanize steel according to ASTM A653 with coating designation G90. Remove Galvanizing from steel before welding. Repair Galvanizing according to ASTM A780.
 - Use A325 Bolts or equivalent.
 - 2 1/4" - 12 ga. PSST to extend entire length inside of the 2 1/2" - 12 ga. x 4" PSST Stub.
 - Do not use bolt to secure 2 1/4" PSST inside of the 2 1/2" - 12 ga. x 4" PSST Stub.
 - Weld steel according to American Welding Society (AWS) D.1.1.

PERFORATED STEEL SQUARE TUBE (PSST) DETAIL

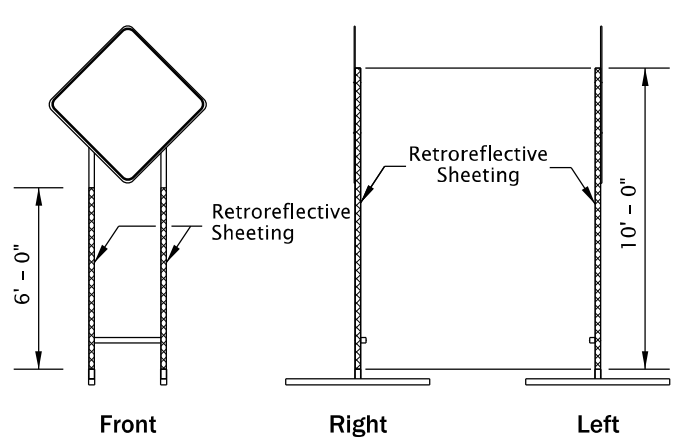


- NOTES:
- Use Single Post TSS for a total sign area of 12 sq. ft. or less.
 - Use Single Post TSS for mounting "Business Access" (CG20-11) signs. Do not mount signs on Type II or III Barricades.

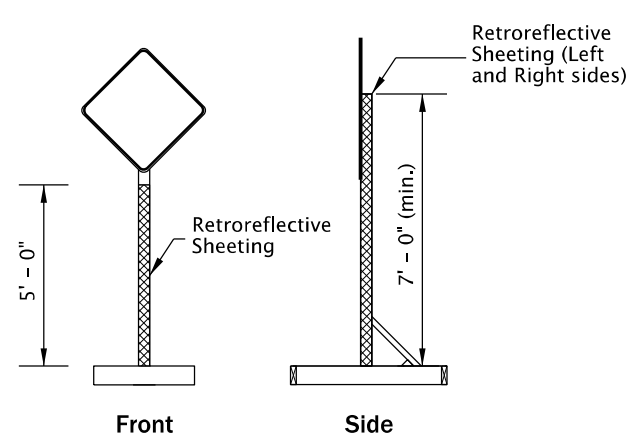
SINGLE POST DETAIL



Double Post



Perforated Steel Square Tube (PSST)



Single Post

- TEMPORARY SIGN SUPPORT GENERAL NOTES:
- Do not tip over TSS at any time.
 - Do not locate TSS's in locations that block pedestrian or bicycle traffic.
 - For wooden TSS's, use either Douglas Fir or Hem Fir, which is surfaced four sides (S4S) and free of heart center (FOHC).
 - See "Temporary Sign Placement" detail on TM822 for sign installation heights.
 - Do not place or stack ballast more than 24" above the ground.
 - When not in use, locate TSS as far from Public Traffic as practicable and turn away from traffic, or cover the sign. Do not cover reflective sheeting on the TSS posts.
 - Place a minimum of 50 lbs of sandbags on each of the four TSS supports legs. (25 lb. max per bag) (min. 100 lbs per side of each TSS).
 - See Dwg. No. TM204 for flag board mounting detail.

- NOTES:
- Apply fluorescent orange, ANSI Type VIII or IX retroreflective sheeting to TSS posts, as shown, for all temporary signs, except "STOP" and "DO NOT ENTER". For "STOP" and "DO NOT ENTER" signs, used red ANSI Type III or IV retroreflective sheeting on the TSS posts.
 - Apply sign post retroreflectivity to each TSS post facing front; and to the left and right sides of the TSS, as shown. Use 3" wide sheeting for wood post TSS's. Use 2" wide sheeting for PSST TSS's.
 - Sheeting may be applied directly to post material; or applied to a rigid, lightweight substrate, then securely attached to the posts.

SIGN POST REFLECTIVE SHEETING PLACEMENT

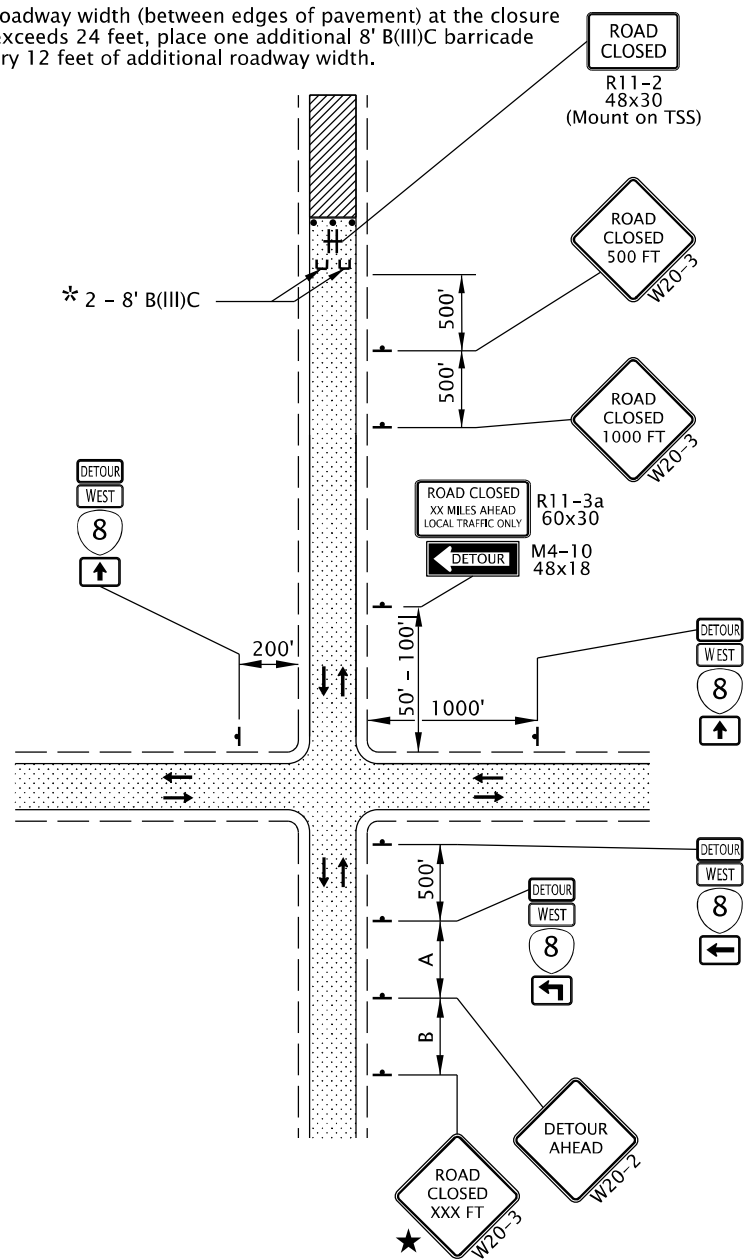
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
TEMPORARY SIGN SUPPORTS			
2024			
DATE	REVISION DESCRIPTION		
CALC. BOOK NO.	N/A	SDR DATE	14-JUL-2023
			TM821

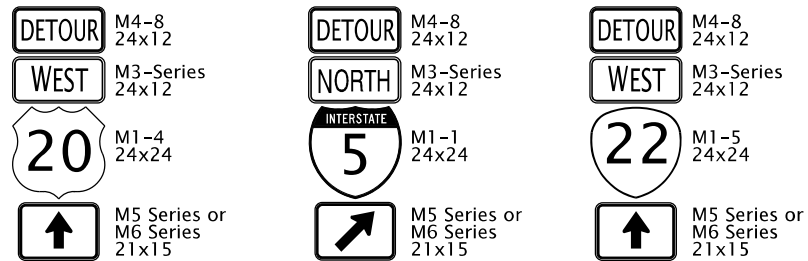
01-JUL-2020
TM840.dgn

NOTES:
If closure point is less than 1500 ft. from nearest intersection, use a "ROAD CLOSED TO THRU TRAFFIC" (R11-4) sign in place of the "ROAD CLOSED XX MILES AHEAD" sign.

* If the roadway width (between edges of pavement) at the closure point exceeds 24 feet, place one additional 8' B(III)C barricade for every 12 feet of additional roadway width.

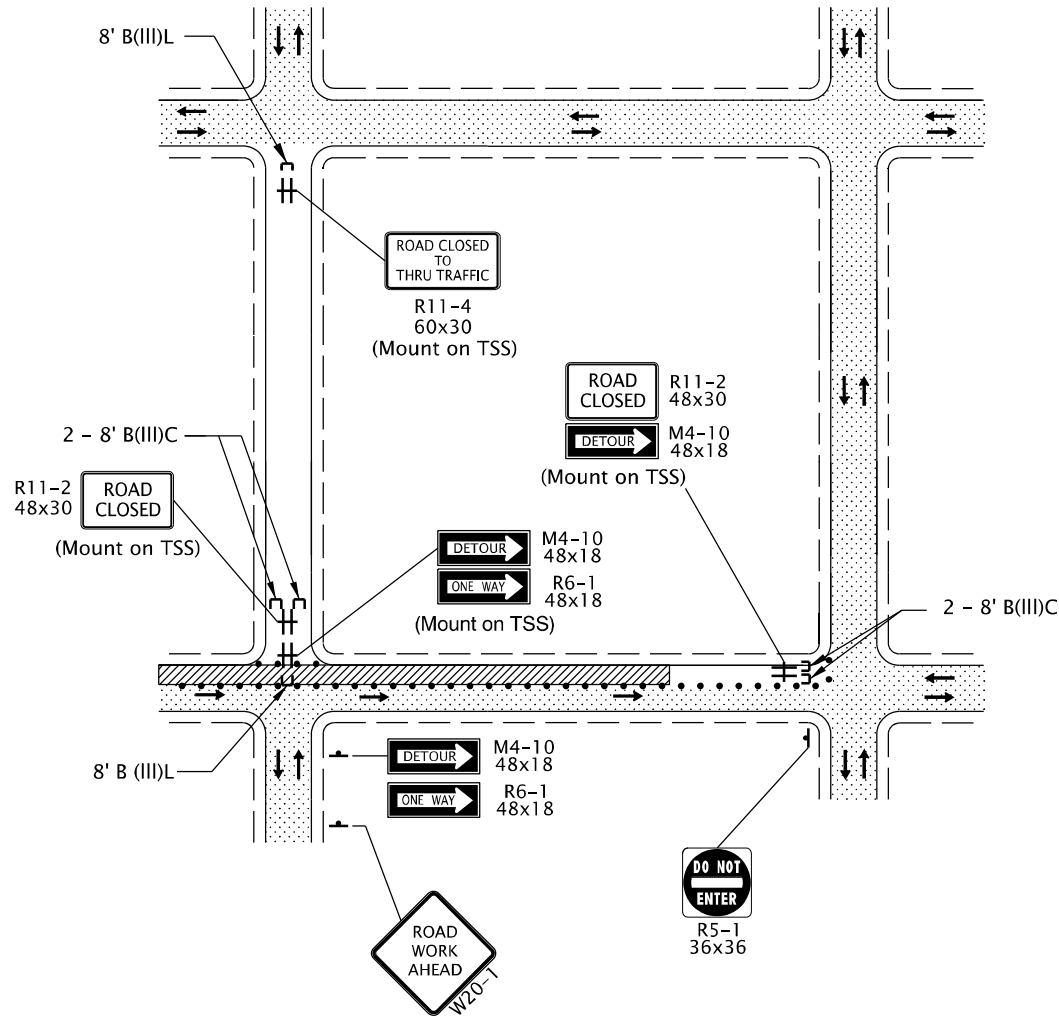


TYPICAL ROAD CLOSURE WITH DETOUR



NOTE:
• When detour routes overlap, each Route Shield will include a separate cardinal direction, detour, and directional arrow auxiliary sign assembly.

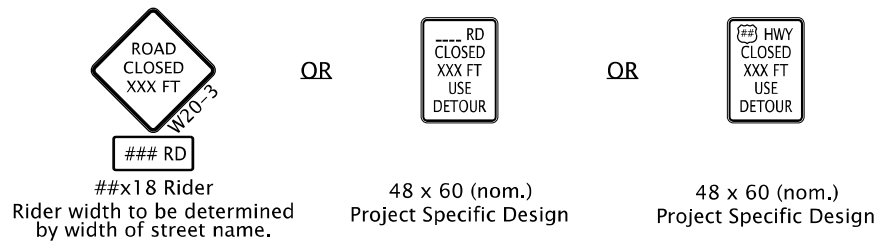
TYPICAL TRAILBLAZER ASSEMBLY



TYPICAL PARTIAL ROAD CLOSURE

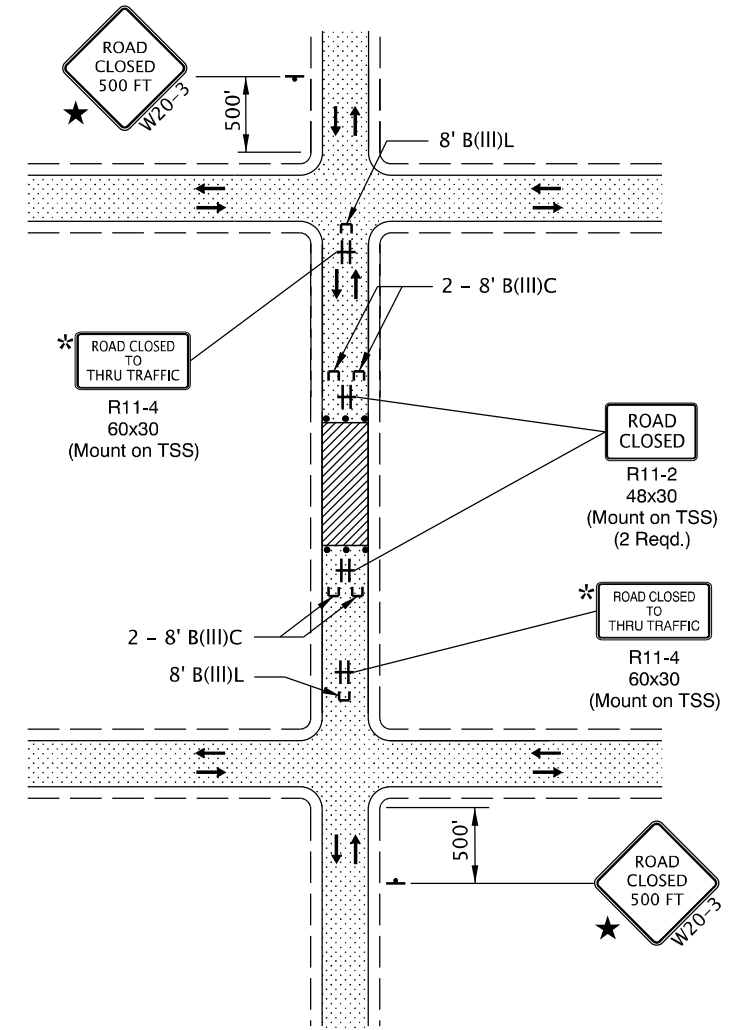
GENERAL NOTES FOR ALL DETAILS:

★ A "Street Name" rider may be used to enhance Road Closure signing; or provide a project specific design; or, as shown in the traffic control plan.



- Use a minimum of two Type III barricades for a road closure. For roads $\geq 36'$ wide between curbs or edge of pavement, use a minimum of three Type III barricades for the closure point.
- For full road closures, the C or LR barricade may be used.
- Place additional signing as directed.
- To determine sign spacing A, B, & C, use the "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" on Dwg. TM800.
- To be accompanied by Dwg. Nos. TM820 & TM821.

- •••• 28" Tubular Markers See TCD Spacing Table on TM800 for max. spacing.
- [Dotted pattern] UNDER TRAFFIC
- [Hatched pattern] UNDER CONSTRUCTION

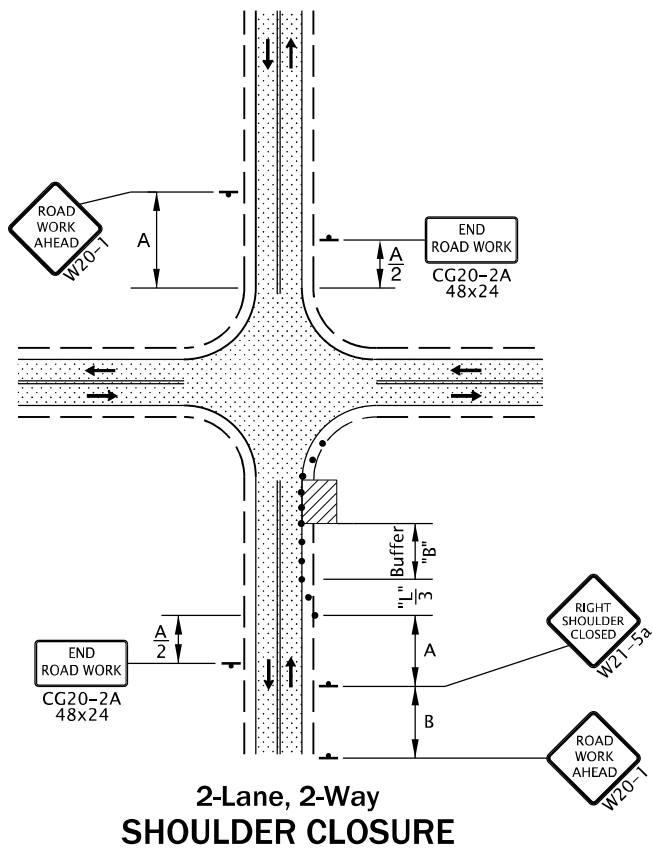


NOTE:
* If accesses exist between intersection and point of closure, install "ROAD CLOSED TO THRU TRAFFIC" sign as shown.

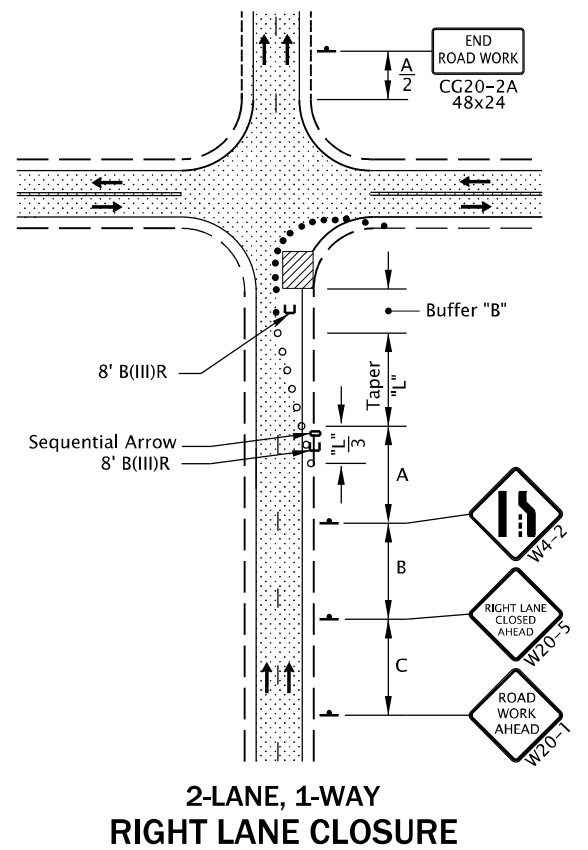
TYPICAL ROAD CLOSURE

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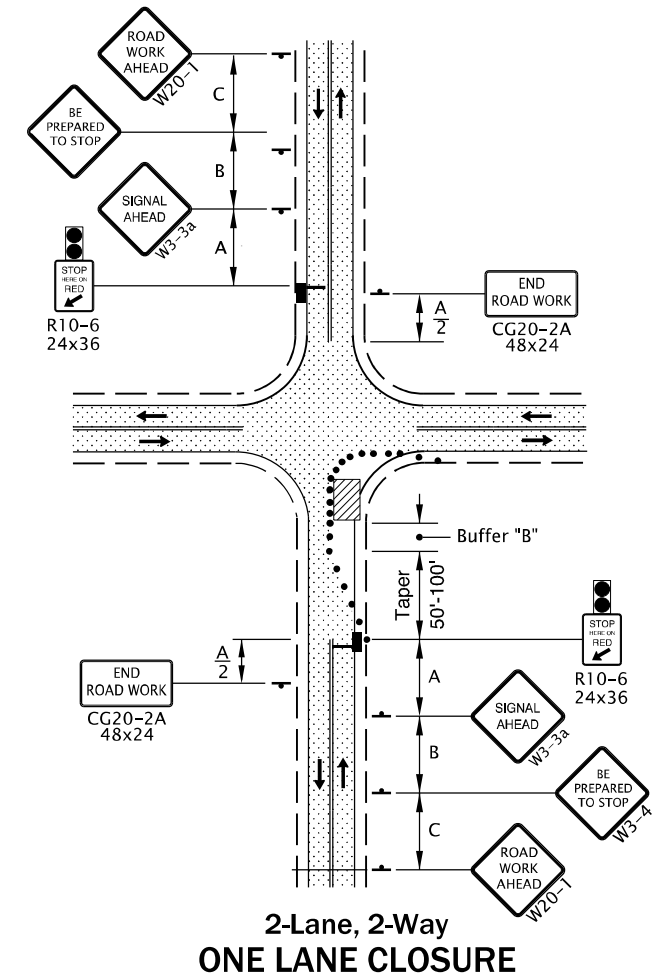
All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
CLOSURE DETAILS			
2024			
DATE	REVISION DESCRIPTION		
CALC. BOOK NO.	N/A	SDR DATE	01-JUL-2020
			TM840



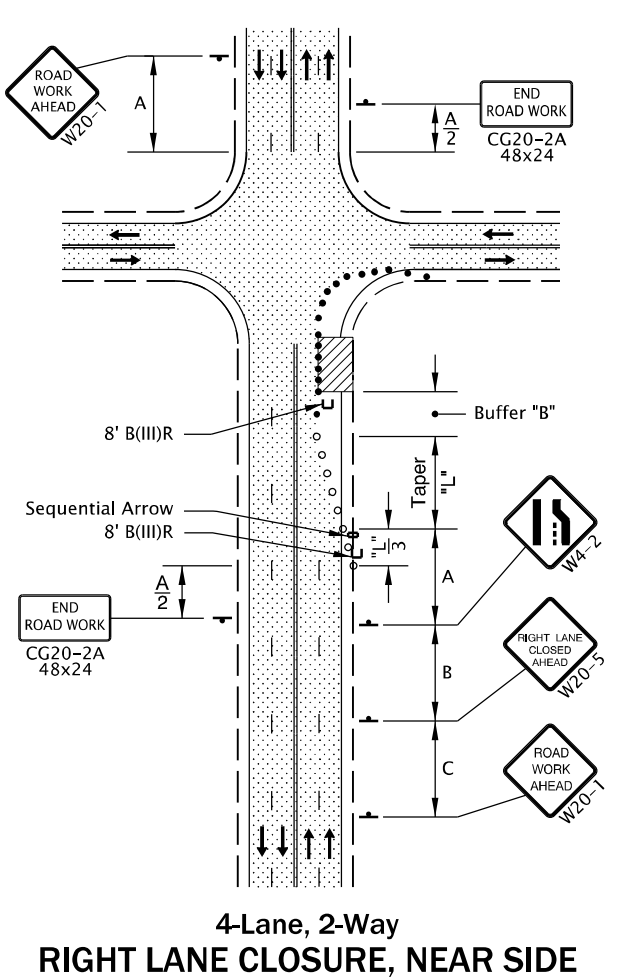
**2-Lane, 2-Way
SHOULDER CLOSURE**



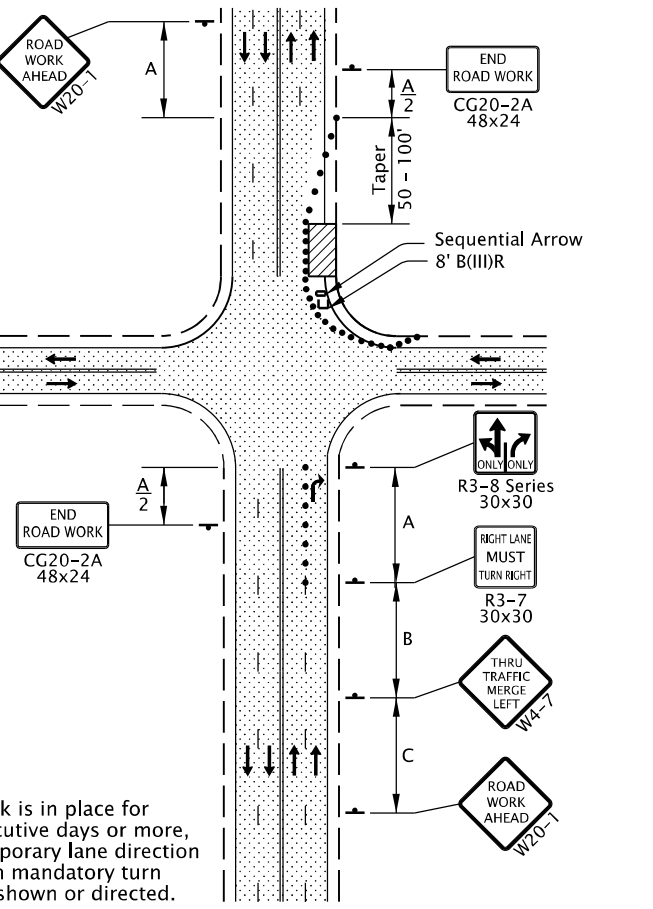
**2-LANE, 1-WAY
RIGHT LANE CLOSURE**



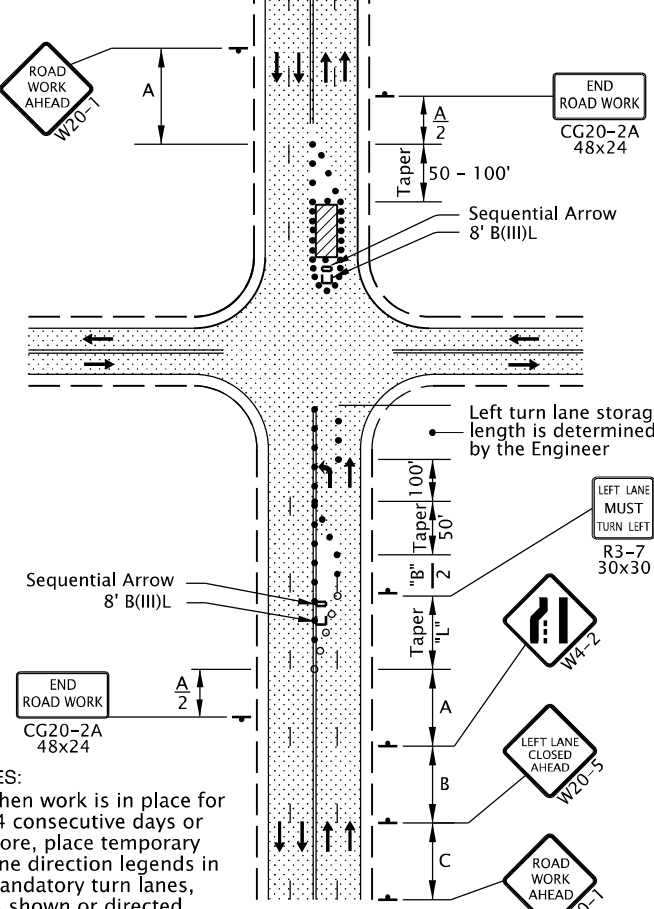
**2-Lane, 2-Way
ONE LANE CLOSURE**



**4-Lane, 2-Way
RIGHT LANE CLOSURE, NEAR SIDE**



**4-Lane, 2-Way
RIGHT LANE CLOSURE, FAR SIDE**



**4-Lane, 2-Way
LEFT LANE CLOSURE, FAR SIDE**

NOTES:
• When work is in place for 14 consecutive days or more, place temporary lane direction legends in mandatory turn lanes, as shown or directed.

NOTES:
• When work is in place for 14 consecutive days or more, place temporary lane direction legends in mandatory turn lanes, as shown or directed.

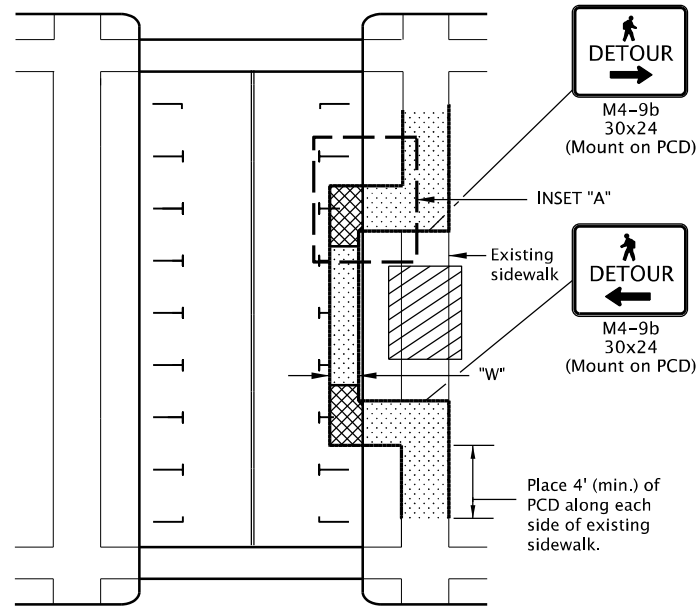
GENERAL NOTES FOR ALL DETAILS:

- Additional Traffic Control Measures (TCM) may be required for all legs of the intersection.
- The "SIGNAL AHEAD" (W3-3a) sign may be substituted with the signal ahead symbol (W3-3) sign.
- To determine Taper Length ("L") and Buffer Length ("B"), use the "MINIMUM LENGTHS TABLE" on Dwg. TM800.
- For left lane or shoulder work, place TCD to close left lane or shoulder. Use "LEFT LANE CLOSED AHEAD" (W20-5) sign, "LEFT LANE ENDS" (W4-2L) symbol sign, or "LEFT SHOULDER CLOSED" (W21-5a) sign, where applicable.
- To determine sign spacing A, B, and C, use "TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE" on Dwg. TM800.
- When a through road intersects within the work zone, place a "ROAD WORK AHEAD" (W20-1) sign in advance of the intersection at sign spacing A.
- Tubular markers may be used in lane closure tapers where posted speed is 40 mph or less.
- Where shoulder width is limited, Sequential Arrow may be placed within the lane closure taper.
- Place channelizing devices around intersection radii, business accesses and driveways at 10' spacing.
- Install a "BICYCLES ON ROADWAY" (CW11-1) sign in advance of the closure when a bike lane is closed, or when the shoulder is closed and bikes are expected.
- To be accompanied by Dwg. Nos. TM820, TM82, TM840 & TM854.

- Automated Flagging Assistance Device (AFAD)
- 28" Tubular Markers See TCD Spacing Table on TM800 for max. spacing.
- ○ ○ ○ ○ Temp. Plastic Drums See TCD Spacing Table on TM800 for max. spacing.
- ▨ UNDER TRAFFIC
- ▩ UNDER CONSTRUCTION

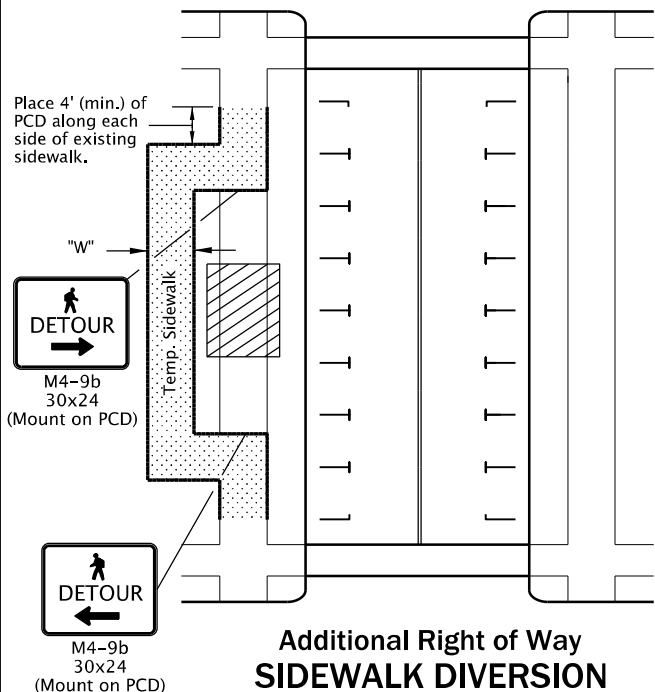
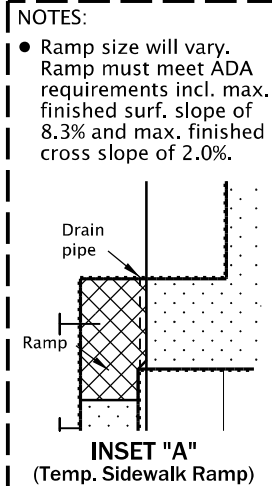
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All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
INTERSECTION WORK ZONE DETAILS			
2024			
DATE	REVISION DESCRIPTION		
CALC. BOOK NO.	N/A	SDR DATE	01-JUL-2022
			TM841

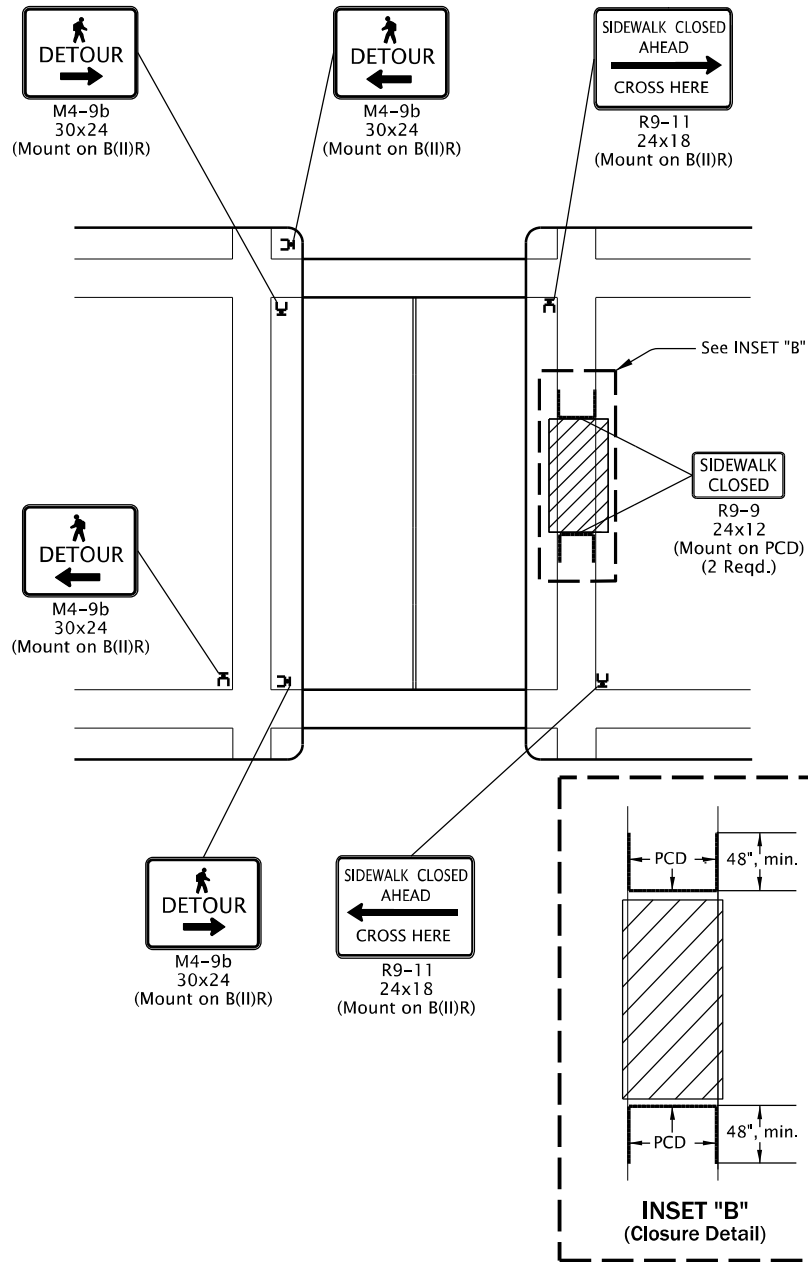


Within Roadway SIDEWALK DIVERSION

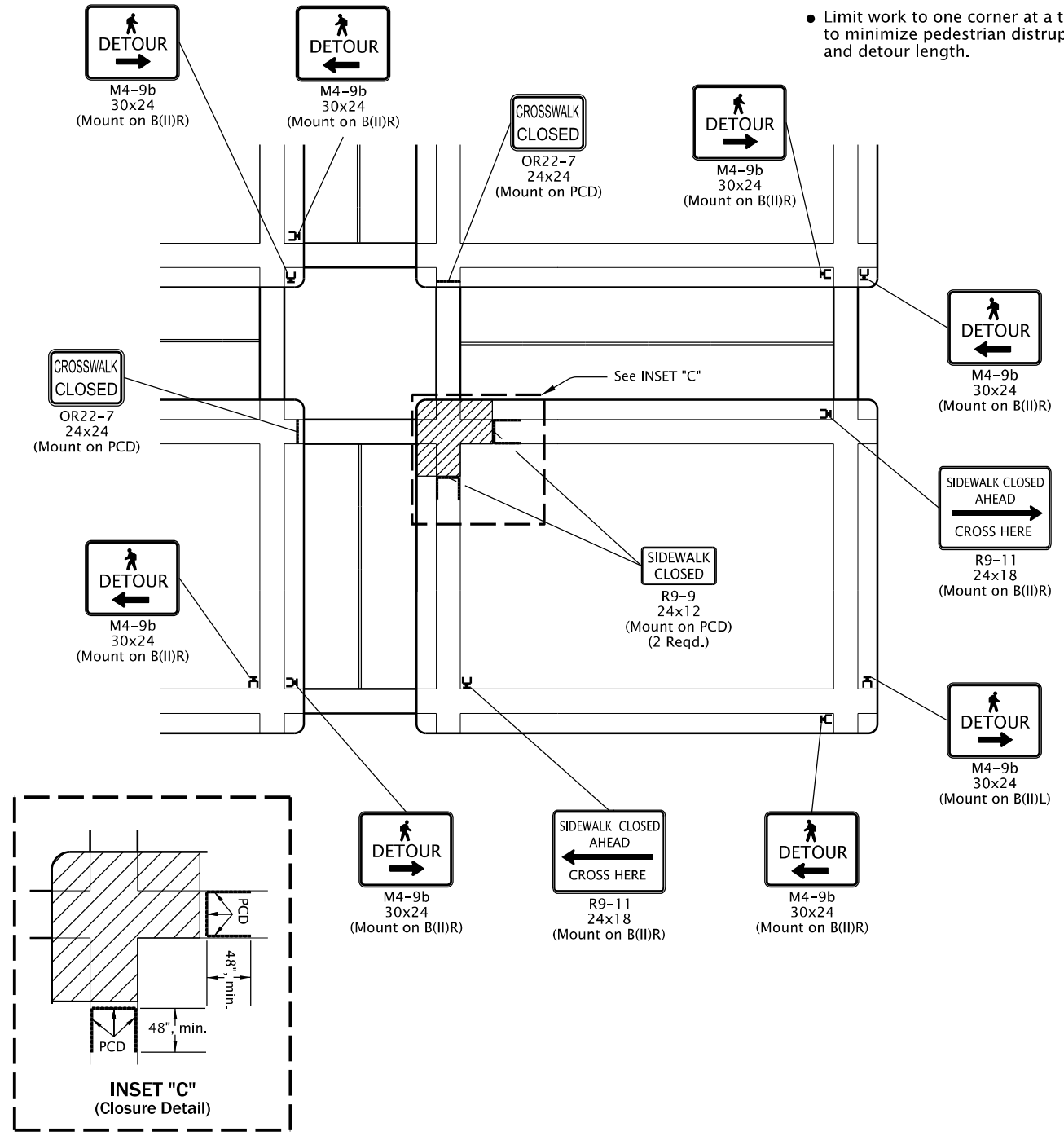
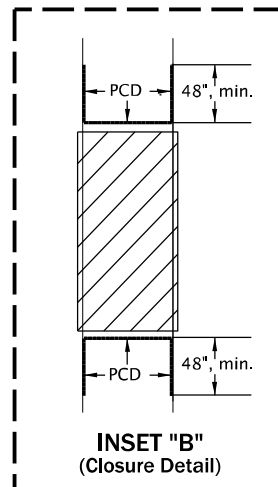
- NOTES:**
- Place or construct temp. sidewalk ramp, as needed.
 - For roadways with a pre-construction posted speed of 40 mph or less.
 - See inset "A" for Temp. Sidewalk Ramp details.
 - "W" = 60", or, where 60" width cannot be maintained through the entire route, provide 48" min. width with 60" x 60" passing spaces every 200 ft.
 - Use temporary ADA compliant surfaces to cross planter strips or other non-traversable surfaces.



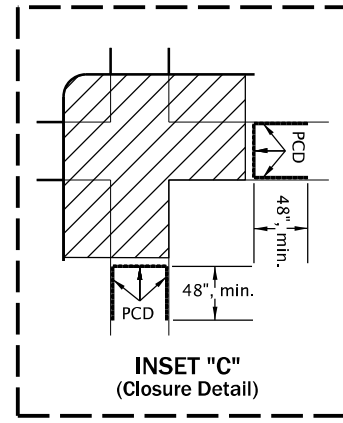
Additional Right of Way SIDEWALK DIVERSION



SIDEWALK CLOSURE, MIDBLOCK



SIDEWALK CLOSURE, CORNER



GENERAL NOTES FOR ALL DETAILS:

- When closing or relocating crosswalks or other pedestrian facilities provide ADA compliant facilities. Include accessibility features consistent with existing pedestrian facilities by providing adequate slope transitions and surfacing.
- Provide non-slip, 60 inch minimum wide surface through entire pedestrian route. If not possible, provide 48" min. width with 60" x 60" passing spaces every 200 feet along the route.
- Only TCD for pedestrians are shown. Other devices may be necessary to control vehicular traffic.
- Stage work, as necessary, to provide a temporary pedestrian access route at all times. For roadways with no available detours, maintain one open sidewalk at all times.
- Minimize pedestrian out-of-direction travel.
- To be accompanied by Dwg. Nos. TM820 & TM821.

- UNDER PEDESTRIAN TRAFFIC
- UNDER CONSTRUCTION
- PEDESTRIAN CHANNELIZING DEVICE (PCD)

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

NOTE:

- Limit work to one corner at a time to minimize pedestrian disruption and detour length.

All materials shall be in accordance with the current Oregon Standard Specifications.

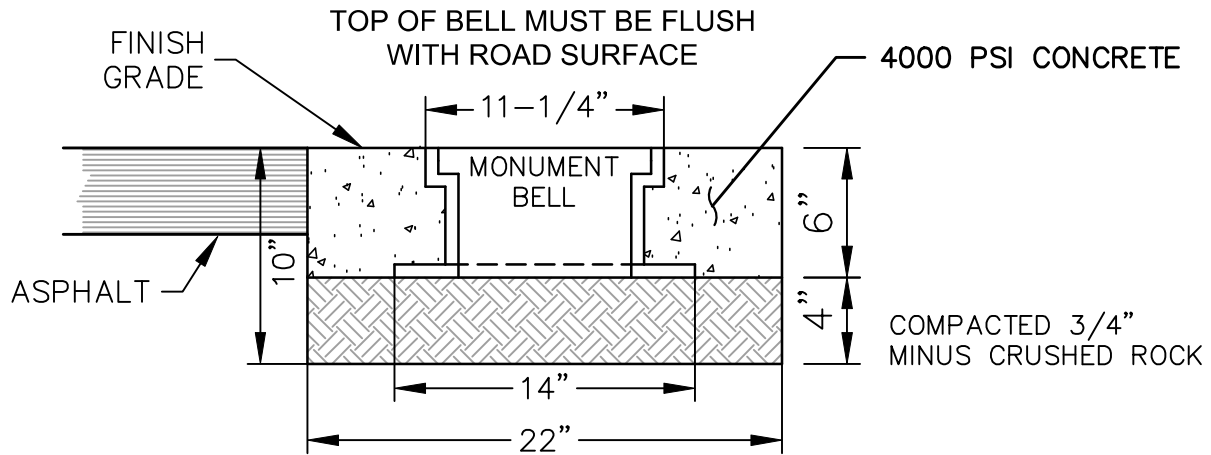
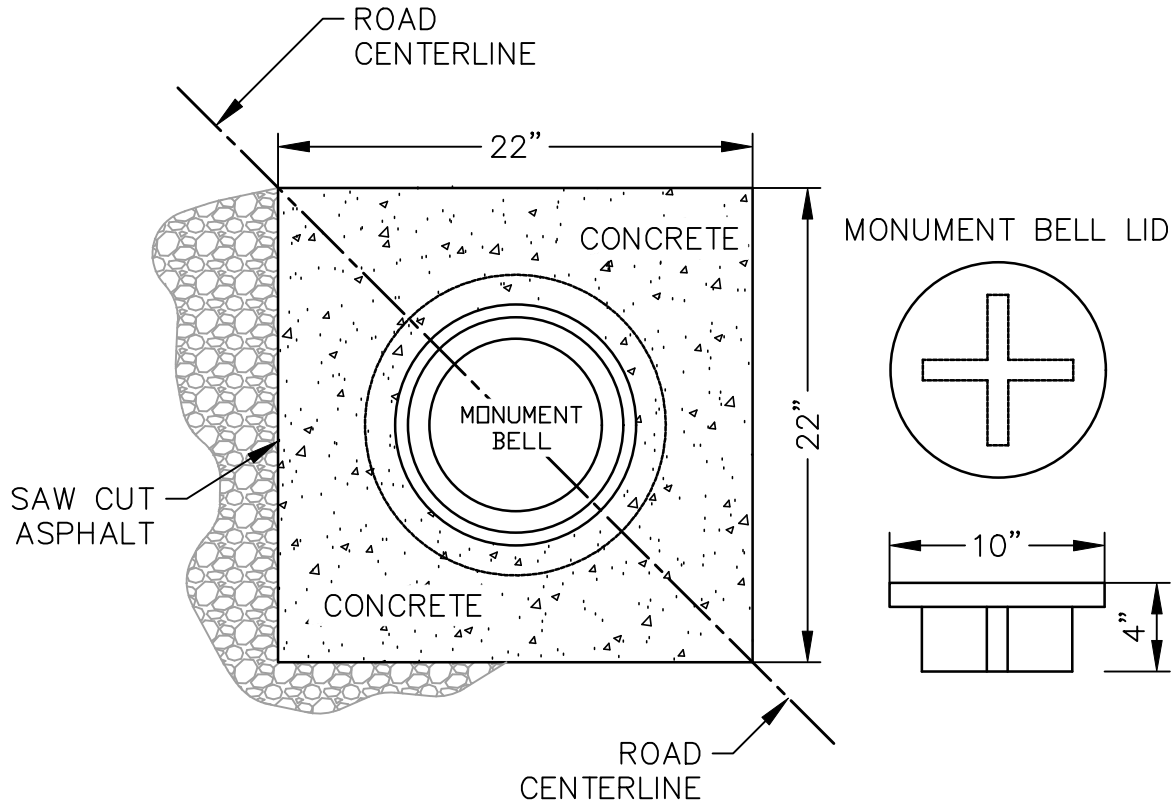
OREGON STANDARD DRAWINGS

TEMPORARY PEDESTRIAN ACCESSIBLE ROUTES

2024

DATE	REVISION DESCRIPTION
01-2022	Revised notes for temporary sidewalk ramp.
07-2023	OR22-8 signs were replaced with OR22-7 signs.

CALC. BOOK NO.	N/A	SDR DATE	14-JUL-2023	TM844
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NOTE:
 MONUMENT BOXES TO BE CAST
 IRON OR ALLOY SUITABLE FOR
 HEAVY TRAFFIC LOADING. #1036
 OR #1033 EAST JORDAN IRON
 WORKS #3680 OR EQUIVILANT.

REVISION	DATE	BY
REVISION	11/19	RM
REVISION	3/20	RM

DEPARTMENT OF TRANSPORTATION
 AND DEVELOPMENT
 150 BEAVERCREEK ROAD
 OREGON CITY, OR 97045



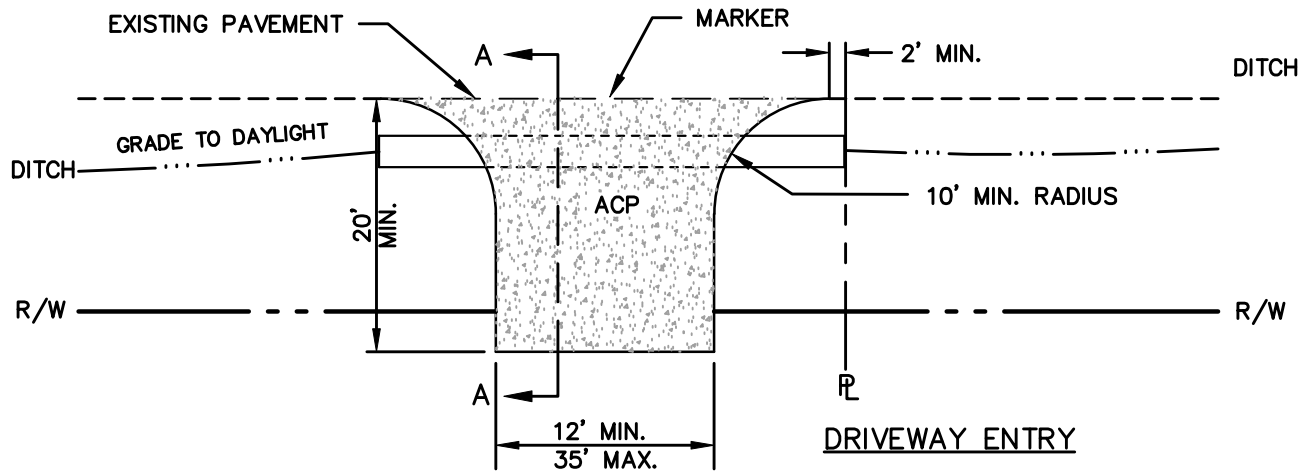
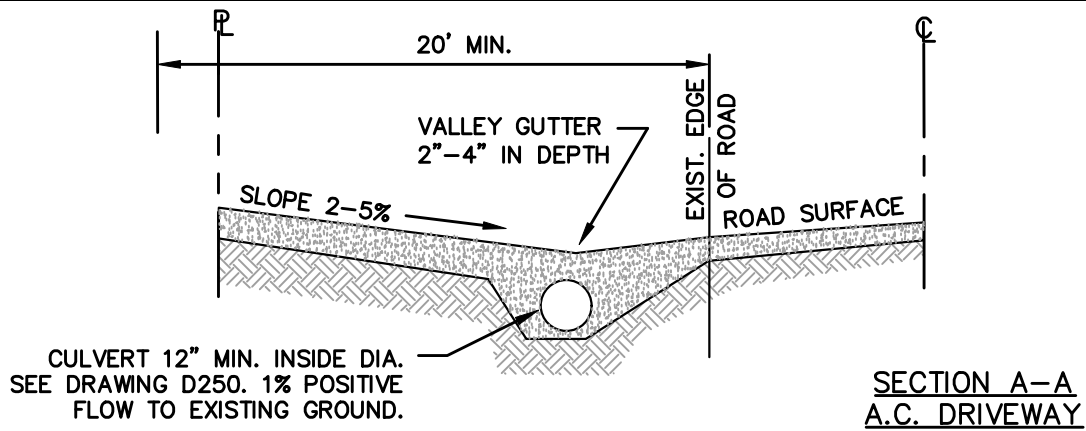
APPROVAL DATE: 6/1/2020

SCALE: N.T.S.

STANDARD
 DRAWING


MONUMENT BOX
 35 MPH OR LESS

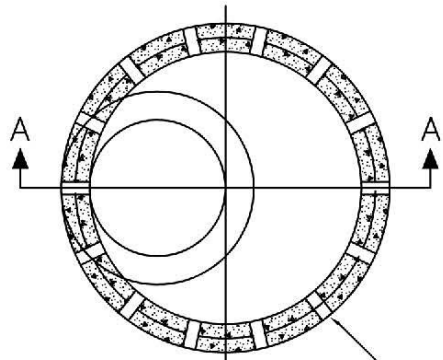
M100



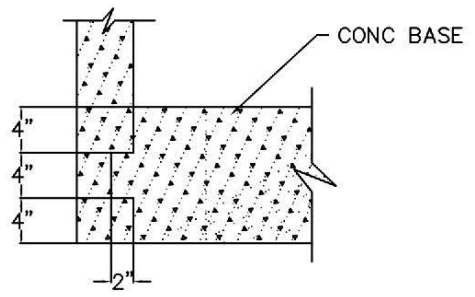
NOTES

1. LOCATION AND DIMENSIONS TO BE APPROVED BY THE COUNTY ON A SITE SPECIFIC BASIS. PLACE A MARKER, AS INDICATED, AT THE CENTER OF THE PROPOSED DRIVEWAY FOR INITIAL INSPECTION BY THE COUNTY. NO PORTION OF THE DRIVEWAY MAY BE PLACED ON AN ADJOINING FRONTAGE.
2. SPECIFICATIONS FOR MATERIALS USED IN CONSTRUCTION SHALL CONFORM TO CURRENT ODOT/APWA STANDARD SPECIFICATIONS.
3. AT CORNER LOTS, DRIVEWAY ENTRANCE MUST BE PLACED ON THE SECONDARY ROADWAY IN URBAN AREAS AND ON ROADS WITH MORE THAN 7,500 ADT IN THE RURAL AREA.
4. SEE SECTION 220 FOR ACCESS SPACING BETWEEN DRIVEWAYS, TO AN INTERSECTION AND TO A PROPERTY LINE ALSO FOR MULTIPLE ACCESSES TO ON PROPERTY.
5. MEET SPACING STANDARDS PER SECTION 220.
6. IF A CULVERT IS REQUIRED, INSTALL CULVERT PIPE PER STANDARD DRAWING D250.
7. PROVIDE SIGHT DISTANCE PER SECTION 240.
8. DRIVEWAY SHALL INTERSECT ROAD AT A 90 DEGREE ANGLE.
9. DRIVEWAY APPROACH SHALL MEET STRUCTURAL SECTION PER R100.

<i>REVISION</i>	<i>DATE</i>	<i>BY</i>	DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT		APPROVAL DATE: 6/1/2020	SCALE: N.T.S.	STANDARD DRAWING
REVISED	11/19	AAR			150 BEAVERCREEK ROAD OREGON CITY, OR 97045	CLACKAMAS COUNTY	STANDARD DRIVEWAY ENTRY ONTO PAVED COUNTY ROADS WITH NO CURBS

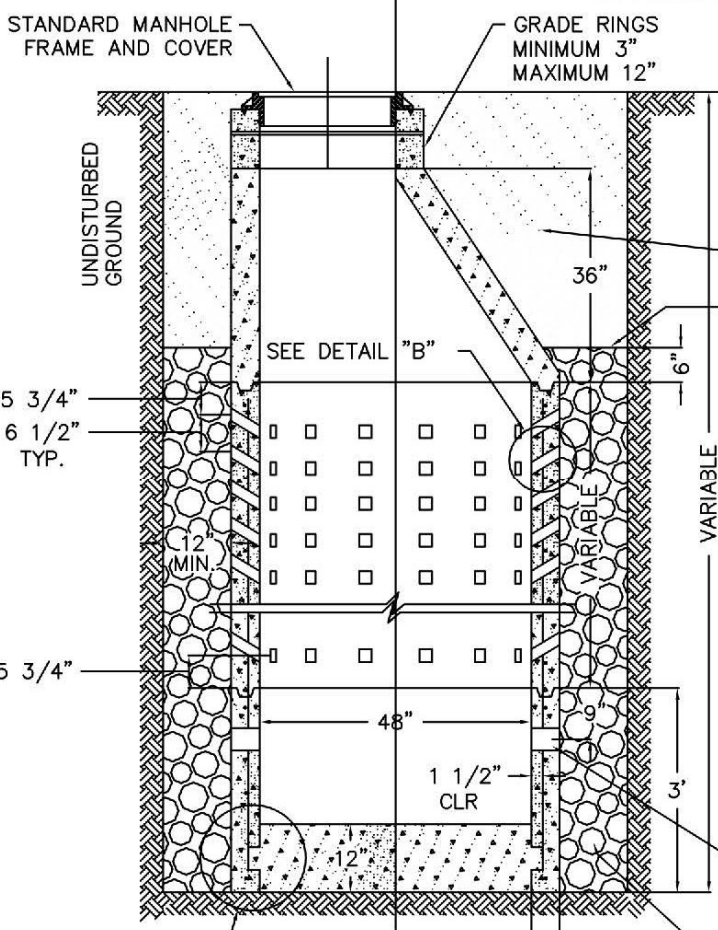


PLAN

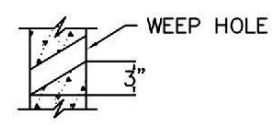


DETAIL "A"

WEEP HOLE
14-2 1/4" SQUARE OR 2 3/8" ROUND HOLES. EQUALLY SPACED OR APPROVED EQUAL.



SECTION A-A



DETAIL "B"

1"-0" OR 3/4"-0" CRUSHED ROCK
GEOTEXTILE FABRIC, - AMOCO NONWOVEN GOETEXTILE NO. 4545, OR EQUAL.

- NOTES:
1. ALL PRECAST SECTIONS SHALL CONFORM TO REQUIREMENTS OF ASTM C 478.
 2. INVERT SHALL BE LEVEL AND SMOOTH.

- NOTE:
1. USE OF DRYWELL IS ONLY PERMITTED ON PRIVATELY OWNED AND MAINTAINED FACILITIES.
 2. RUNOFF FROM PUBLIC R-O-W IS NOT PERMITTED TO DRAIN TO DRYWELLS.
 3. DRYWELL MUST BE REGISTERED AND/OR PERMITTED BY THE STATE OF OREGON AS AN UNDERGROUND INJECTION CONTROL DEVICE.