

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DEVELOPMENT SERVICES BUILDING

150 Beavercreek Road Oregon City, OR 97045

August 7, 2025	BCC Agenda Date/Item:

Board of County Commissioners Clackamas County

Approval of a Contract with KNL Industries, Inc., for the Mount Talbert Paving Project. Total value is \$780,942.90 for 5 months. Funding is through County Road Funds. No County General Funds are involved.

Previous Board	NA						
Action/Review							
Performance	This project will provide s	This project will provide strong infrastructure and ensure safe					
Clackamas	communities by maintaini	ng the County's existing r	oad infrastructure.				
Counsel Review	Yes	Procurement Review	Yes				
Contact Person	Jon Sparks	Contact Phone	503-650-3235				

EXECUTIVE SUMMARY: This contract is for the Mount Talbert Paving Project which will resurface approximately 1.2 miles of road. This contract will resurface 12 urban local roads which include: SE 124th Ave between SE Sunnvside Rd and SE Mather Rd. SE 124th Pl between SE Huron St and the dead end. SE 125th Ave between SE Sunnyside Rd and SE Mather Rd. SE 126th Ave between SE Mather Rd and address 13690, SE 128th Ave between SE Sunnyside Rd and SE Mather Rd, SE Opal Way between SE 125th Ave and address 13345, SE Opal Way between 128th Ave and address 12751, SE Mather Rd between SE 125th Ave and the dead end. SE Sonoma St between SE 126th Ave and address 12705, SE Huron St between address 12470 and SE 126th Ave, SE Harold Ct between SE Harold Ave and the dead end, SE Mark Kelly Ct between SE Harold Ave and the dead end, and SE Derry Ln between SE Harold Ave and address 4620. This contract will include, but is not limited to: placing approximately, 4,700 tons of asphalt; 23,325 square yards of cold plane pavement removal; completing pavement repairs of varying depth; constructing one (1) concrete curb ramp; installing, maintaining, and removing temporary work zone traffic control measures; and performing additional incidental work as called for by the specifications and plans.

F	or Filing Us	e Only	

PROCUREMENT PROCESS: This project was advertised in accordance with ORS and LCRB Rules on May 20, 2025. Bids were publicly opened on June 11, 2025. The County received four (4) bids: KNL Industries, Inc., \$780,942.90; Knife River Corporation Northwest, \$890,792.76; North Santiam Paving Company, \$1,102,322.00; Eagle-Elsner, Inc., \$808,808.00; After review of the bids, KNL Industries, Inc., was determined to be the lowest responsive bidder.

RECOMMENDATION: Staff respectfully recommends that the Board approve this public improvement contract with KNL Industries, Inc., for the Mount Talbert Paving Project.

Respectfully submitted,

Dan Johnson

Dan Johnson
Director of Transportation & Development



Contract #1381

This Public Improvement Contract (the "Contract") is made by and between the Clackamas County, a political subdivision of the State of Oregon ("Owner"), and **KNL Industries, Inc.** ("Contractor"), both collectively referred to as the "Parties". This Contract shall become effective on the date this Contract has been signed by all the Parties and shall expire upon completion the completion of all obligations under the terms of this Contract unless terminated earlier by the Parties.

Project Name: # 2025-52 Mount Talbert Paving Project

1. Contract Price, Contract Documents and Work.

The Contractor hereby agrees to perform all the work described in, and reasonably inferred from, the Contract Documents, as further defined below ("Work"). In consideration of the Contractor performing the Work in accordance with the terms of the Contract, the Owner agrees to pay the Contractor an amount not to exceed **Seven Hundred Eighty Thousand Nine Hundred Forty Two Dollars Ninety Cents (\$780,942.90)** (the "Contract Price"). Payment will be made in accordance with the terms and conditions provided in the Contract Documents. The Contract Price is the amount contemplated by the Base Bid, as indicated in the accepted Bid. The Contract Price is the amount contemplated by the Base Bid, as indicated in the accepted Bid.

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

- 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 Mount Talbert 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 <u>Keith Callaway</u> as its Authorized Representative to act on its behalf. Owner designates, or shall designate, its Authorized Representative as indicted below (check one):

⊠ Un	nless ot	herwise	specific	ed in	the C	ontract	Docu	ments,	the	Owne	r de	signate	es <u>Jor</u>	Spa	arks	as its
Authorized	d Repres	sentativo	e in the	admin	istrati	on of t	his Co	ntract.	The	abov	e-nar	ned in	dividı	ıal sl	hall l	be the
initial point the respons					d to C	Contrac	t perfo	rmance	e, pa	yment	, autl	norizat	ion, a	nd to	car	ry ou

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: Keith Callaway shall be the Contractor's project executive, and will provide oversight and guidance throughout the project term.

Project Manager: <u>Paul Callaway</u> shall be the Contractor's project manager and will participate in all meetings throughout the project term.

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

Project Engineer: Kyle Beck 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.

The Contractor agrees to complete the Work in accordance with the following key dates:

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

SUBSTANTIAL COMPLETION DATE: September 12, 2025

FINAL COMPLETION DATE: December 31, 2025

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 Owner's 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 Subsubcontractors 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.

The Contractor shall comply with all federal, state and local laws, regulation, executive orders and ordinances applicable to this Contract. Contractor represents and warrants that it has complied, and will continue to

comply throughout the duration of this Contract and any extensions, with all tax laws of this state or any political subdivision of this state, including but not limited to ORS 305.620 and ORS chapters 316, 317, and 318. Any violation of this section shall constitute a material breach of this Contract and shall entitle Owner 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 or applicable law.

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 Specifications, Contract Documents 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. The liquidated damages amount is not a penalty, but a reasonable estimate of the loss the Owner will suffer. Liquidated damages are set forth in the Contract Documents and may include the following:

- 11.1 15% of C divided by T per Calendar day past the Substantial Completion date, as set forth in section 00180.85 (b)(1).
- 11.2 \$500 per 15 minutes, or for a portion of 15 minutes, per lane, 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 section 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.
- 15. 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.

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

Contractor DATA:

KNL Industries, Inc.

10672 S Macksburg Rd

Canby, Oregon 97013

Contractor CCB # 245086 Expiration Date: 3/30/2027 Oregon Business Registry # 1623485-94 Entity Type: FBC

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.

KNL Industries, Inc.		Clackamas County					
keith callaway	7/15/25						
Authorized Signature	Date	Chair	Date				
<u>Keith Callaway, COO</u> Name / Title Printed							
Name / Title Printed		Recording Secretary					
		Approved as to Form:					
		Awanda Vell	7/24/2025				
		County Counsel	Date				

State of Formation: Nevada



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 #2025-52 Mount Talbert Paving Project May 20, 2025

Clackamas County ("County") through its Board of County Commissioners is accepting sealed bids for the **Mount Talbert Paving Project** until **June 11, 2025, 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/bso/view/login/login.xhtml, Document No.S-C01010-00013918.

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, <u>Bid Locker</u>. *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/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.

Engineers Estimate: \$973,000.00

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), Temporary Traffic Control (TTC), and Miscellaneous Highway Appurtenances (MHA).

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, 2025 and amended on April 5, 2025, 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.



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.



SUPPLEMENTAL INSTRUCTIONS TO BIDDERS

Project Name: #2025-52 Mount Talbert 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 (ACP), Temporary Traffic Control (TTC), and Miscellaneous Highway Appurtenances (MHA).
- 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/82023111400

Meeting ID: 820 2311 1400

One tap mobile

- +12532158782,,82023111400# US (Tacoma)
- +13462487799,,82023111400# US (Houston)

Dial by your location

- +1 253 215 8782 US (Tacoma)
- +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
- +1 305 224 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
- +1 689 278 1000 US
- +1 301 715 8592 US (Washington DC)

Meeting ID: 820 2311 1400

Find your local number: https://clackamascounty.zoom.us/u/kbNejdEtph

**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: KNL Industries, INC.

Total Contract Amount: \$ 780,942.90

Project Name: # 2025-52 Mount Talbert 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)							
Temporary Features and Appurtenances Permanent Traffic Safety and Giuidence Devices							
Roadwork	Permanent Traffic Control And Illumination Systems						
Drainage and Sewers	Right-Of-Way Development And Control						
Wearing Surfaces							

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. Delivery via bid locker https://bidlocker.us/a/clackamascounty/BidLocker within 2 hours of the BID/Quote Closing Date/Time.

LIST ALL SUBCONTRACTORS BELOW Use correct legal name of Subcontractor (No Assumed Business Names)	Division of Work (Painting, electrical, landscaping, etc.) List ALL DOW performed by Subcontractors	DOLLAR AMOUNT OF SUBCONTRACT	If Certified or self-reporting MBE/WBE/ESB Subcontractor Check box			
			MBE	WBE	ESB	
Name Address						
City/St/Zip			П	П	П	
Phone#						
OCCB#						
Name						
Address						
City/St/Zip					П	
Phone#						
OCCB#						
Name						
Address						
City/St/Zip				П	П	
Phone#			"			
OCCB#						
Name						
Address						
City/St/Zip						
Phone#						
OCCB#						

GFE SUBCONTRACTOR AND SELF-PERFORMED WORK LIST (FORM 1) cont'd

Prime Contractor Name: KNL Industries, INC.
Project Name: # 2025-52 Mount Talbert Paving Project

Total Contract Amount: \$780,942.90

LIST ALL SUBCONTRACTORS BELOW Use correct legal name of Subcontractor (No Assumed Business Names)	Division of Work (Painting, electrical, landscaping, etc.) List ALL DOW performed by Subcontractors	DOLLAR AMOUNT OF SUBCONTRACT	sel MBE Sul	Certified of f-reporting E/WBE/ES ocontracted box	g SB or
			MBE	WBE	ESB
Name Address City/St/Zip Phone# OCCB#					
Name Address City/St/Zip Phone# OCCB#					

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

Prime Contractor: KNL Industries, INC. Project: # 2025-52 Mount Talbert Paving Project

Prime Contractor must contact or endeavor to contact at least 3 MW/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	Divisions of Work	Date Sollicitation	PHO	PHONE CONTACT		BID ACTIVIT			EJECTED BIDS received & not used)	
SUBCONTRACTOR	(Painting, electrical, landscaping, etc.)	Letter / Fax Sent	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>>)	Notes
					「 Yes	T Yes	Ĩ Yes			
					□ No	I" No	l ⊓No			
					T Yes) Yes	(Yes			
					i" No	l' No	l" No			
					☐ Yes	I Yes	l'' Yes			
					₹ No	f No	i [™] No			
					☐ Yes	Yes	Yes			
					Γ No	∫ No	l No			
					l" Yes	T Yes	☐ Yes			
		1			Γ No	l No	I ⁻ No			
					ſ [™] Yes	i ^T Yes	「 Yes			
					l No	1°° No	I No			
					☐ Yes	l Yes	i Yes			
					ſ No	∫ [™] No	I No			

Clackamas County GFE (2/2023)

Page 3 of 4

CLACKAMAS COUNTY GOOD FAITH EFFORT PROJECT COMPLETION REPORT

(FORM 3)

Prime Contractor Name: KNL Industries, INC.

Total Contract Amount: \$780,942.90

Project Name: # 2025-52 Mount Talbert Paving Project

Complete this form and submit with your request for final payment upon the project completion. Please list all subcontractors used for the project. Use additional sheets as necessary

LIST ALL SUBCONTRACTORS BELOW Use correct legal name of Subcontractor (No Assumed Business Names)	Division of Work (Painting, electrical, landscaping, etc.) List ALL DOW performed by Subcontractors	FINAL DOLLAR AMOUNT OF SUBCONTRACT	If Certified or self-reported MBE/WBE/ESB Subcontractor			
			MBE	WBE	ESB	
Name Address City/St/Zip Phone# OCCB#						
Name Address City/St/Zip Phone# OCCB#						
Name Address City/St/Zip Phone# OCCB#						
Name Address City/St/Zip Phone# OCCB#						
Name Address City/St/Zip Phone# OCCB#					□\$1	
Name Address City/St/Zip Phone# OCCB#						

Keith Callaway 6/11/2025
Authorized Signature of Contractor Representative Date



BID BOND

Project Name: # 2025-52 Mount Talbert Paving Project

We, KNL Industries, Inc.	, as "Principal,"
(Name of Principal)	, as i illicipal,
and Employers Mutual Casualty Comp (Name of Surety)	pany, an _lowa Corporation,
	Oregon, as "Surety," hereby jointly and severally bind administrators, successors and assigns to pay unto
Ten Percent of the Total Amount Bid	dollars.
bid to an agency of the Obligee in response to project identified above which proposal or bid required to furnish bid security in an amount of pursuant to the procurement document. NOW, THEREFORE, if the Obligee shall account a Contract with the Obligee in accordance	this bond is that Principal has submitted its proposal or to Obligee's procurement document (No. 5-C01010-00) for the is made a part of this bond by reference, and Principal is equal to ten (10%) percent of the total amount of the bid ept the bid of the Principal and the Principal shall enter with the terms of such bid, and give such bond or bonds
performance of such Contract and for the p prosecution thereof, or in the event of the failt bond or bonds, if the Principal shall pay to the between the amount specified in said bid and	Documents with good and sufficient surety for the faithful prompt payment of labor and material furnished in the ure of the Principal to enter such Contract and give such Obligee the difference not to exceed the penalty hereof such larger amount for which the Obligee may in good to Work covered by said bid, then this obligation shall be and effect.
IN WITNESS WHEREOF, we have caused authorized legal representatives this	this instrument to be executed and sealed by our duly day of June, 20 25
Principal: KNL Industries, Inc.	Surety: Employers Mutual Casualty Company
Ballanas Signature	By: Attorney-In-Fact
President ()	Amanda C. Webb
Attest: Mind Wynn	Name 6400 SE Lake Road, Suite 450
Corporation Secretary	Address
	Milwaukie, OR 97222 City State Zip
	503.239.4116 503.231.9021

Phone

Fax



P.O. Box 712 • Des Moines, Iowa 50306-0712

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT KNOW ALL MEN BY THESE PRESENTS, that:

- 1. Employers Mutual Casualty Company, an Iowa Corporation
- 2. EMCASCO Insurance Company, an Iowa Corporation
- 3. Union Insurance Company of Providence, an Iowa Corporation

- 4. Illinois EMCASCO Insurance Company, an Iowa Corporation
- 5. Dakota Fire Insurance Company, a North Dakota Corporation
- 6. EMC Property & Casualty Company, an Iowa Corporation

hereinafter referred to severally as "Company" and collectively as "Companies", each does, by these presents, make, constitute and appoint:

Amanda C. Webb

its true and lawful attorney-in-fact, with full power and authority conferred to sign, seal, and execute the Bid Bond

and to bind each Company thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of each such Company, and all of the acts of said attorney pursuant to the authority hereby given are hereby ratified and confirmed.

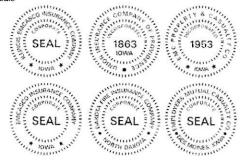
AUTHORITY FOR POWER OF ATTORNEY

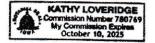
This Power-of-Attorney is made and executed pursuant to and by the authority of the following resolution of the Boards of Directors of each of the Companies at the first regularly scheduled meeting of each company duly called and held in 1999:

RESOLVED: The President and Chief Executive Officer, any Vice President, the Treasurer and the Secretary of Employers Mutual Casualty Company shall have power and authority to (1) appoint attorneys-in-fact and authorize them to execute on behalf of each Company and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof; and (2) to remove any such attorney-in-fact at any time and revoke the power and authority given to him or her. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power-of-attorney issued to them, to execute and deliver on behalf of the Company, and to attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and any such instrument executed by any such attorney-in-fact shall be fully and in all respects binding upon the Company, Certification as to the validity of any power-of-attorney authorized herein made by an officer of Employers Mutual Casualty Company shall be fully and in all respects binding upon this Company. The facsimile or mechanically reproduced signature of such officer, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power-of-attorney of the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS THEREOF, the Companies have caused these presents to be signard for each by their officers as shown, and the Corporate seals to be hereto affixed this 22nd day of September . 2022 .

Seals





\$dott R. Jean, Président & CEO of Company 1; Chairman, President & CEO of Companies 2, 3, 4, 5 & 6 Todd Strother, Executive Vice President Chief Legal Officer & Secretary of Companies 1, 2, 3, 4, 5 & 6

On this 22nd day of September, 2022 before me a Notary Public in and for the State of Iowa, personally appeared Scott R. Jean and Todd Strother, who, being by me duly sworn, did say that they are, and are known to me to be the CEO, Chairman, President, Executive Vice President, Chief Legal Officer and/or Secretary, respectively, of each of the Companies above; that the seals affixed to this instrument are the seals of said corporations; that said instrument was signed and sealed on behalf of each of the Companies by authority of their respective Boards of Directors; and that the said Scott R. Jean and Todd Strother, as such officers, acknowledged the execution of said instrument to be their voluntary act and deed, and the voluntary act and deed of each of the Companies.

My Commission Expires October 10, 2025

Notary Public in and for the State of lower

CERTIFICATE

I, Ryan J. Springer, Vice President of the Companies, do hereby certify that the foregoing resolution of the Boards of Directors by each of the Companies, and this Power of Attorney issued pursuant thereto on 22nd day of September . 2022 , are true and correct and are still in full force and effect.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this day of

2025

Vice President



BID FORM

BID CL	CT: # 2025-52 Mount Talbert Paving Project LOSING: June 11, 2025, 2:00 PM, Pacific Time PENING: June 11, 2025, 2:05 PM, Pacific Time	
	KNL Industries, 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 Nevada	; 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 man and perform all work hereinafter indicated for the above project in strict accordance with Documents for the Basic Bid as follows:	
Se	even Hundred Eighty Thousand Nine Hundred Forty-Two Dollars and Ninety Cents 780,942.90 Dollars (\$)
	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 through , inclusive (fill in blanks)	
120		101 21 2

- 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 **Mount Talbert Paving Project.**

- 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 Company	
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 245086 . 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 Corporation.

 Policy No. 100061023, and that Contractor shall submit Certificates of Insurance as required.
- 14. Contractor's Key Individuals for this project (supply information as applicable):

Project Executive: Keith Callaway		Cell Phone: 971-201-6760	
Project Manager: Paul Callaway		Cell Phone: <u>503-318-4567</u>	,
Job Superintendent: Adam Wright		Cell Phone: 503-849-8289	
Project Engineer: Kyle Beck	•	Cell Phone: 503-504-3345	

- 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 FIRE	KNL Industries, INC.	
ADDRESS	10672 S Macksburg Rd. Canby, OR 97013	
TELEPHONE N	O 971-201-6760	
EMAIL	keithjr@kandlindustries.com	
SIGNATURE	1) Sole Individual	
or	Partner	
or	Authorized Officer or Employee of Corporation)

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

Mt Tall		ving Project	Summe	2F 2U25		page 1 of 3
Item #		Item Description	Unit	Quantity	Unit Price	Amount
TEMPOR		TURES AND APPURTENANCES				22
101	00197	EXTRA WORK DONE ON FORCE ACCOUNT BASIS	LS	1	\$10,000.00	\$10,000.00
102	00210	MOBILIZATION	LS	1	\$10,000.00	\$10,000.00
103	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE 124TH AVE	LS	1	\$3,000.00	\$3,000.00
104	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE 125TH AVE	LS	1	\$3,000.00	\$3,000.00
105	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE OPAL WAY	LS	1	\$3,000.00	\$3,000.00
106	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE MATHER RD	LS	1	\$3,000.00	\$3,000.00
107	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE 126TH AVE	LS	1	\$3,000.00	\$3,000.00
108	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE HURON ST	LS	1	\$3,000.00	\$3,000.00
109	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE 124TH PL	LS	1	\$3,000.00	\$3,000.00
110	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE 128TH AVE	LS	1	\$3,000.00	\$3,000.00
111	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE SONOMA ST	LS	1	\$2,500.00	\$2,500.00
112	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE DERRY LN	LS	1	\$2,500.00	\$2,500.00
113	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE MARK KELLY CT	LS	1	\$3,500.00	\$3,500.00
114	00221	TEMPORARY WORK ZONE TRAFFIC CONTROL, COMPLETE: SE HAROLD CT	LS	1	\$3,000.00	\$3,000.00
115	00222	TEMPORARY PROJECT INFORMATION SIGNS	SQFT	150	\$35.00	\$5,250.00
116	00280	EROSION CONTROL PLAN	LS	1	\$5,000.00	\$5,000.00
117	00290	POLLUTION CONTROL PLAN	LS	1	\$500.00	\$500.00
TEMPOR	ARY FEA	TURES AND APPURTENANCES-SUBTOTAL				\$66,250.00
			and the second			
ROADW	ORK					
118	00305	CONSTRUCTION SURVEY WORK	LS	1	\$1,000.00	\$1,000.00
119	00310	REMOVAL OF SURFACINGS FOR CURB RAMP CONSTRUCTION	SQYD	100	\$25.00	\$2,500.00
120	00331	12 INCH SUBGRADE STABILIZATION	SQYD	250	\$50.00	\$12,500.00
ROADW	ORK-SUBT	TOTAL				\$16,000.00
DRAINA	GE AND S	SEWERS				
121	00480	DRAINAGE CURBS	FOOT	35	\$50.00	\$1,750.00
122	00490	MINOR ADJUSTMENT OF MANHOLE - METHOD C	EACH	1	\$2,500.00	\$2,500.00
123	00490	INSTALL MONUMENT BOXES	EACH	1	\$750.00	\$750.00
DRAINA	CE AND C	SEWERS - SUBTOTAL				\$5,000.00

Mt Tal	bert Pav	ving Project	Summe	er 2025		page 2 of 3
Item #	Spec#	Item Description	Unit	Quantity	Unit Price	Amount
BASES						
124	00610	RECONDITION EXISTING ROADWAY	SQYD	22,600	\$1.25	\$28,250.00
125	00620	COLD PLANE PAVEMENT REMOVAL, 1 1/2-2 INCHES DEEP	SQYD	64	\$2.70	\$172.80
126	00620	COLD PLANE PAVEMENT REMOVAL, 1 1/2 INCHES DEEP	SQYD	1,022	\$2.70	\$2,759.40
127	00620	COLD PLANE PAVEMENT REMOVAL, 2 INCHES DEEP	SQYD	8,383	\$2.70	\$22,634.10
128	00620	COLD PLANE PAVEMENT REMOVAL, 3 INCHES DEEP	SQYD	10,119	\$2.70	\$27,321.30
129	00620	COLD PLANE PAVEMENT REMOVAL, 4 INCHES DEEP	SQYD	3,739	\$2.70	\$10,095.30
130	00640	AGGREGATE BASE, 3/4"-0"	TON	20	\$100.00	\$2,000.00
BASES -	SUBTOTA	L				\$93,232.90
WEARIN	IG SURFA	CES				
131	00744	LEVEL 2, 1/2 INCH ACP MIXTURE	TON	4,700	\$113.00	\$531,100.00
132	00748	3 INCH ASPHALT CONCRETE PAVEMENT REPAIR	SQYD	40	\$50.00	\$2,000.00
133	00748	8 INCH ASPHALT CONCRETE PAVEMENT REPAIR	SQYD	580	\$40.00	\$23,200.00
134	00749	EXTRA FOR SPOT GRIND AND INLAYS	SQYD	500	\$15.00	\$7.500.00
135	00749	EXTRA FOR CURB RAMP ASPHALT PLUG	SQFT	124	\$5.00	\$620.00
136	00759	CONCRETE CURB, CURB AND GUTTER	FOOT	58	\$50.00	\$2,900.00
137	00759	CONCRETE WALKS	SQFT	258	\$30.00	\$7,740.00
138	00759	EXTRA FOR NEW CURB RAMPS	EACH	1	\$2,500.00	\$2,500.00
139	00759	TRUNCATED DOMES ON NEW SURFACES	SQFT	28	\$50.00	\$1,400.00
WEARIN	G SURFAC	CES - SUBTOTAL				\$578,960.00
PERMAI	NENT TRA	FFIC SAFETY AND GIUIDENCE DEVICES				
140	00867	PAVEMENT BAR, TYPE B-HS	SQFT	90	\$50.00	\$4,500.00
PERMAN	IENT TRA	FFIC SAFETY AND GUIDENCE DEVICES - SUBTOTAL				\$4,500.00
PERMAI	IENT TRA	FFIC CONTROL AND ILLUMINATION SYSTEMS				
141	00905	REMOVE AND REINSTALL EXISTING SIGNS ON EXISTING SIGN SUPPORTS	LS	1	\$3,500.00	\$3,500.00
142	00905	REMOVE AND REINSTALL EXISTING SIGNS ON NEW SIGN SUPPORTS	LS	1	\$3,500.00	\$3,500.00
PERMAN	JENT TRA	FFIC CONTROL AND ILLUMINATION SYSTEMS - SUBTOTAL				\$7,000.00

Mt Tall	ert Pav	ring Project	Summe	er 2025		page 3 o
tem#	Spec#	Item Description	Unit	Quantity	Unit Price	Amount
RIGHT-O	F-WAY D	EVELOPMENT AND CONTROL				
143	01030	ROADSIDE RESTORATION	LS	1	\$3,000.00	\$3,000.00
144	01050	REMOVING AND REBUILDING FENCE	FOOT	35	\$200.00	\$7,000.00
IGHT-0	F-WAY D	EVELOPMENT AND CONTROL - SUBTOTAL				\$10,000.00
		No. 19 Art Section 19			* * * *	
OTAL			1000 0000000000000000000000000000000000		per la constitución de la consti	\$780,942.90

Total Price	Seven Hundred Eighty Thousand Nine Hundred Forty-Two	Dol	llars and
8° -	Ninety	Cer	nts
Name of Firm	KNL Industries, INC.		
	Keith Callaway		
Signature	Keith Callaway	6/11/2025	
	U .	Date	

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM PROJECT: #2025-52

BID OPENING: June 11, 2025, 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 <u>MUST</u> 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.

DOLLAR VALUE

2			
3. –			
4. 5.			
6. –			
equal to o	ve listed first-tier subcontractor(s) are providi or greater than: a) 5% of the total Contract Price, but at least not list the subcontractor above; or b) \$350,000 regardless of the percentage of t	\$15,000. If the Dolla	ur Value is less than \$15,000 do
Firm Nan	me:_KNL Industries, INC.		
Bidder Si	ignature: Keith Callaway	Phone #_	971-201-6760

SUBCONTRACTOR NAME

1.

NONE

CATEGORY OF WORK



PERFORMANCE BOND

3ond No.: \$053993	
Solicitation: #2025-52	
Project Name: Mount Talbert Paving Project	

Employers Mutual Casualty Company	Surety #1)	Bond Amount No. 1:	\$ 780,942.90
(Surety #2)*	Bond Amount No. 2:*	\$
* If using multiple sureties	3	Total Penal Sum of Bond:	\$ 780,942.90

WHEREAS, the Principal has entered into a contract with Clackamas County, along with the plans, specifications, terms and conditions of which are contained in the 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 Performance 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 all authorized modifications of the Contract which increase the amount of the work, the amount of the Contract, or constitute an authorized extension of the time for performance, notice of any such modifications hereby being waived by the Surety:

NOW, THEREFORE, THE CONDITION OF THIS BOND IS SUCH that if the Principal herein 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 undertaken by Contractor to be performed under the Contract, upon the terms set forth therein, and within the time prescribed therein, or as extended 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 direct or indirect damages or claim 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 Principal or its subcontractors, and shall in

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 16th day of July

PRINCIPAL: KNL Industries, Inc. Signature

> Official Capacity Corporation Secretary

[Add signatures for each if using multiple bonds] BY ATTORNEY-IN-FACT:

SURETY: Employers Mutual Casualty Company

[Power-of-Attorney must accompany each bond]

Amanda C. Webb Name Signature 6400 SE Lake Road, Suite 450 Address Milwaukie, OR 97222 City State Zip 503.239.4116 503.231.9021 Phone Fax



POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT KNOW ALL MEN BY THESE PRESENTS, that:

- 1. Employers Mutual Casualty Company, an Iowa Corporation
- 2. EMCASCO Insurance Company, an Iowa Corporation
- 3. Union Insurance Company of Providence, an Iowa Corporation

- 4. Illinois EMCASCO Insurance Company, an Iowa Corporation
- 5. Dakota Fire Insurance Company, a North Dakota Corporation
- 6. EMC Property & Casualty Company, an Iowa Corporation

hereinafter referred to severally as "Company" and collectively as "Companies", each does, by these presents, make, constitute and appoint:

Amanda C. Webb

its true and lawful attorney-in-fact, with full power and authority conferred to sign, seal, and execute the following Surety Bond(s):

Surety Bond Principal:

Number

KNL Industries, Inc.

5053993

In an amount not exceeding Five Million Dollars\$5,000,000.00

and to bind each Company thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of each such Company, and all of the acts of said attorney pursuant to the authority hereby given are hereby ratified and confirmed.

AUTHORITY FOR POWER OF ATTORNEY

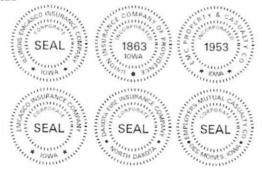
This Power-of-Attorney is made and executed pursuant to and by the authority of the following resolution of the Boards of Directors of each of the Companies at the first regularly scheduled meeting of each company duly called and held in 1999:

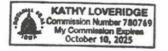
RESOLVED: The President and Chief Executive Officer, any Vice President, the Treasurer and the Secretary of Employers Mutual Casualty Company shall have power and authority to (1) appoint attorneys-in-fact and authorize them to execute on behalf of each Company and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof; and (2) to remove any such attorney-in-fact at any time and revoke the power and authority given to him or her. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power-of-attorney issued to them, to execute and deliver on behalf of the Company, and to attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and any such instrument executed by any such attorney-in-fact shall be fully and in all respects binding upon the Company. Certification as to the validity of any power-of-attorney authorized herein made by an officer of Employers Mutual Casualty Company shall be fully and in all respects binding upon this Company. The facsimile or mechanically reproduced signature of such officer, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power-of-attorney of the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS THEREOF, the Companies have caused these presents to be signed for each by their officers as shown, and the Corporate seals to be hereto affixed this

22nd day of September , 2022 .

Seals





Scott R. Jean, President & CEO of Company 1; Chairman, President & CEO of Companies 2, 3, 4, 5 & 6

Todd Strother, Executive Vice President Chief Legal Officer & Secretary of Companies 1, 2, 3, 4, 5 & 6

On this 22nd day of September 2022 before me a Notary Public in and for the State of Iowa, personally appeared Scott R. Jean and Todd Strother, who, being by me duly sworn, did say that they are, and are known to me to be the CEO, Chairman, President, Executive Vice President, Chief Legal Officer and/or Secretary, respectively, of each of the Companies above; that the seals affixed to this instrument are the seals of said corporations; that said instrument was signed and sealed on behalf of each of the Companies by authority of their respective Boards of Directors; and that the said Scott R. Jean and Todd Strother, as such officers, acknowledged the execution of said instrument to be their voluntary act and deed, and the voluntary act and deed of each of the Companies.

My Commission Expires October 10, 2025.

CERTIFICATE

I, Ryan J. Springer, Vice President of the Companies, do hereby certify that the foregoing resolution of the Boards of Directors by each of the Companies, and this Power of Attorney issued pursuant thereto on 22nd day of September , 2022 , are true and correct and are still in full force and effect.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this __16th _ day of

2025

Vice President

S053993-NA P8107 984 AC 008719



PAYMENT BOND

Bond No.: S053993
Solicitation: #2025-52
Project Name: Mount Talbert Paving Project

Employers Mutual Casualty Company (Surety #1)	Bond Amount No. 1:	\$ 780,942.90
(Surety #2)*	Bond Amount No. 2:*	\$
* If using multiple sureties	Total Penal Sum of Bond:	\$ 780,942.90

We, KNL Industries, Inc.

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)

Seven Hundred Eighty Thousand Nine Hundred

Forty-Two and 90/100

(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 16th day of July

By:	pa way
	Signature
	President Signature
	AOCC aid Commit
Attest:	
	Corporation Secretary

1.11

SURETY: Employers Mutual Casualty Company [Add signatures for each if using multiple bonds]

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

Amanda C. Webb Name Signature

PRINCIPAL: KNL Industries, Inc.

6400 SE Lake Road, Suite 450

Address Milwaukie, OR 97222 City State Zip 503.239.4116 503.231.9021 Phone

Fax

Clackamas County Contract Form B-8 (6/2019)



POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT KNOW ALL MEN BY THESE PRESENTS, that:

- 1. Employers Mutual Casualty Company, an Iowa Corporation
- 2. EMCASCO Insurance Company, an Iowa Corporation
- 3. Union Insurance Company of Providence, an Iowa Corporation

- 4. Illinois EMCASCO Insurance Company, an Iowa Corporation
- 5. Dakota Fire Insurance Company, a North Dakota Corporation
- 6. EMC Property & Casualty Company, an Iowa Corporation

hereinafter referred to severally as "Company" and collectively as "Companies", each does, by these presents, make, constitute and appoint:

Amanda C. Webb

its true and lawful attorney-in-fact, with full power and authority conferred to sign, seal, and execute the following Surety Bond(s):

Surety Bond

Principal:

Number

KNL Industries, Inc.

S053993

and to bind each Company thereby as fully and to the same extent as if such instruments were signed by the duly authorized officers of each such Company, and all of the acts of said attorney pursuant to the authority hereby given are hereby ratified and confirmed.

AUTHORITY FOR POWER OF ATTORNEY

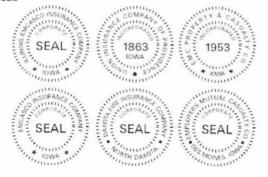
This Power-of-Attorney is made and executed pursuant to and by the authority of the following resolution of the Boards of Directors of each of the Companies at the first regularly scheduled meeting of each company duly called and held in 1999:

RESOLVED: The President and Chief Executive Officer, any Vice President, the Treasurer and the Secretary of Employers Mutual Casualty Company shall have power and authority to (1) appoint attorneys-in-fact and authorize them to execute on behalf of each Company and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof; and (2) to remove any such attorney-in-fact at any time and revoke the power and authority given to him or her. Attorneys-in-fact shall have power and authority, subject to the terms and limitations of the power-of-attorney issued to them, to execute and deliver on behalf of the Company, and to attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and any such instrument executed by any such attorney-in-fact shall be fully and in all respects binding upon the Company. Certification as to the validity of any power-of-attorney authorized herein made by an officer of Employers Mutual Casualty Company shall be fully and in all respects binding upon this Company. The facsimile or mechanically reproduced signature of such officer, whether made heretofore or hereafter, wherever appearing upon a certified copy of any power-of-attorney of the Company, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS THEREOF, the Companies have caused these presents to be signed for each by their officers as shown, and the Corporate seals to be hereto affixed this

22nd day of September , 2022 .

Seals





Scott R. Jean, President & CEO of Company 1:Chairman, President & CEO of Companies 2, 3, 4, 5 & 6

Todd Strother, Executive Vice President Chief Legal Officer & Secretary of Companies 1, 2, 3, 4, 5 & 6

On this 22nd day of September 2022 before me a Notary Public in and for the State of Iowa, personally appeared Scott R. Jean and Todd Strother, who, being by me duly sworn, did say that they are, and are known to me to be the CEO, Chairman, President, Executive Vice President, Chief Legal Officer and/or Secretary, respectively, of each of the Companies above; that the seals affixed to this instrument are the seals of said corporations; that said instrument was signed and sealed on behalf of each of the Companies by authority of their respective Boards of Directors; and that the said Scott R. Jean and Todd Strother, as such officers, acknowledged the execution of said instrument to be their voluntary act and deed, and the voluntary act and deed of each of the Companies.

My Commission Expires October 10, 2025.

CERTIFICATE

I, Ryan J. Springer, Vice President of the Companies, do hereby certify that the foregoing resolution of the Boards of Directors by each of the Companies, and this Power of Attorney issued pursuant thereto on 22nd day of September , 2022 , are true and correct and are still in full force and effect.

In Testimony Whereof I have subscribed my name and affixed the facsimile seal of each Company this day of

2025

Vice President



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

PROJECT: #2025-52 Mount Talbert Paving Project

Project Background:

This paving project will resurface approximately 1.2 miles of road. This contract will resurface twelve (12) urban local roads which include: SE 124th Ave between SE Sunnyside Rd and SE Mather Rd, SE 124th Pl between SE Huron St and the dead end, SE 125th Ave between SE Sunnyside Rd and SE Mather Rd, SE 126th Ave between SE Mather Rd and address 13690, SE 128th Ave between SE Sunnyside Rd and SE Mather Rd, SE Opal Way between SE 125th Ave and address 13345, SE Opal Way between 128th Ave and address 12751, SE Mather Rd between SE 125th Ave and the dead end, SE Sonoma St between SE 126th Ave and address 12705, SE Huron St between address 12470 and SE 126th Ave, SE Harold Ct between SE Harold Ave and the dead end, SE Mark Kelly Ct between SE Harold Ave and the dead end, and SE Derry Ln between SE Harold Ave and address 4620.

This contract will include, but not be limited to placing approximately, 4,700 tons of asphalt; 23,325 square yards of cold plane pavement removal; completing pavement repairs of varying depth; constructing one (1) concrete curb ramp; 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: \$973,000.00

Key Dates:

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

Substantial Completion: September 12, 2025

Final Completion: December 31, 2025

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 MOUNT TALBERT PAVING PROJECT-CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT, CLACKAMAS COUNTY OREGON (70 Pages)

Mount Talbert Paving Project Drawing Set, Sheets No. G-01through G-03; EC-01 through EC-04; C-01 through C-15; RD360; RD376; RD610; RD700; RD720; RD900; RD901; RD922; TM800; TM821; TM840; TM841; TM844; TM850; M100 (37 Pages)

SPECIAL PROVISIONS

FOR

MOUNT TALBERT PAVING PROJECT

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

CLACKAMAS COUNTY, OREGON



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

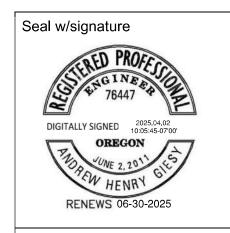
CLACKAMAS COUNTY DEPARTMENT OF TRANSPORATION AND DEVELOPMENT SPECIAL PROVISIONS

FOR

MOUNT TALBERT PAVING PROJECT CI-3-25354

CLACKAMAS COUNTY, OREGON

PROFESSIONAL OF RECORD CERTIFICATION(s):



Date Signed: 04-02-2025

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.

Section 00210, 00220, 00221, 00222, 00223, 00224, 00225, 00228, 00280, 00290, 00305, 00310, 00320, 00330, 00331, 00340, 00440, 00480, 00490, 00610, 00620, 00640, 00730, 00744, 00748, 00749, 00759, 00850, 00867, 00905, 00920, 00930, 01030, 01050, 02001, 02020, 02030, 02040, 02050, 02320, 02530, 02560, 02910, 03010

SPECIAL PROVISIONS

WORK TO BE DONE

MOUNT TALBERT PAVING PROJECT CLACKAMAS COUNTY, OR

The Mount Talbert Paving Project is an asphalt paving contract. This contract will resurface 1.2 miles of road.

This contract will resurface twelve (12) urban local roads which include: SE 124th Ave between SE Sunnyside Rd and SE Mather Rd, SE 124th PI between SE Huron St and the dead end, SE 125th Ave between SE Sunnyside Rd and SE Mather Rd, SE 126th Ave between SE Mather Rd and address 13690, SE 128th Ave between SE Sunnyside Rd and SE Mather Rd, SE Opal Way between SE 125th Ave and address 13345, SE Opal Way between 128th Ave and address 12751, SE Mather Rd between SE 125th Ave and the dead end, SE Sonoma St between SE 126th Ave and address 12705, SE Huron St between address 12470 and SE 126th Ave, SE Harold Ct between SE Harold Ave and the dead end, SE Mark Kelly Ct between SE Harold Ave and the dead end, and SE Derry Ln between SE Harold Ave and address 4620.

This contract will include, but not be limited to: placing approximately, 4,700 tons of asphalt; 23,325 square yards of cold plane pavement removal; completing pavement repairs of varying depth; constructing one (1) concrete curb ramp; 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 \$973,000.

APPLICABLE SPECIFICATIONS

The Specification that is applicable to the Work on this Project is the 2024 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)
Miscellaneous Highway Appurtenances, (HMA)
Temporary Traffic Control (TTC)

Mount Talbert Paving Project CI-3-25354

Page 3 of 55 Special Provisions

<u>Section 00110 – Organization, Conventions, Abbreviations and Definitions</u>

Comply with Section 00110 of the Standard Specifications supplemented and/or modified as follows:

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
- EquipmentWatch

www.equipmentwatch.com

- 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

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 or modify definitions as follows:

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, 2024 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 Purchasing Department.

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.

END OF SECTION

Section 00120 – Bidding Requirements and Procedures

Comply with Section 00120 of the Standard Specifications supplemented and/or modified as follows:

00120.00 Prequalification of Bidders - Delete and replace with the following:

See Instructions to Bidders. To gain Prequalification of Bidders through ODOT:

- If delivered by electronic mail, the application shall be sent to:
 - ODOTProcurementOfficeConstruction@odot.oregon.gov
- If delivered by mail or parcel delivery service, the application shall be sent to:

Oregon Department of Transportation Procurement Construction Contracts, MS #33 355 Capitol Street NE Salem, OR 97301

00120.01 General Bidding Requirements – Delete and replace with the following:

See Instructions to Bidders.

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

See Notice of Public Improvement Contract and Instructions to Bidders.

Copies of the 2024 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

The Plans, which are applicable to the Work to be performed under the Contract, are included in these Special Provisions.

00120.17 Use of Agency-Owned Land for Staging or Storage Areas – Comply with Section 00120.17 of the Standard Specifications.

00120.25 Subsurface Investigations - Comply with Section 00120.25 of the Standard Specifications.

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

See Instructions to Bidders.

O0120.40 Preparation of Bids – Delete and replace this section with the following:

See Instructions to Bidders.

Submittal of Bids - Delete and replace with:

See Instructions to Bidders.

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00120.60 Revision or Withdrawal of Bids - Delete and replace with the following:

See Instructions to Bidders.

00120.70 Rejection of Nonresponsive Bids – Delete and replace with the following:

See Instructions to Bidders.

Opportunity for Cooperative Arrangement – Delete this section.

END OF SECTION

Section 00130 - Award and Execution of Contract

Comply with Section 00130 of the Standard Specifications supplemented and/or modified as follows:

00130.00 Consideration of Bids - Delete third paragraph.

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See Instructions to Bidders.

00130.15 Right to Protest Award – Delete and replace with the following:

See 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", 2024 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 - Delete and replace with the following:

See Instructions to Bidders.

00130.70 Release of Bid Guaranties – Delete and replace with the following:

See Instructions to Bidders.

END OF SECTION

Section 00140 - Scope of Work

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

O0140.30 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.

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

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:

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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 section.

00150.10 Coordination of Contract Documents

(a) Order of Precedence – Delete this section and 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 perform the Contactor responsibilities described in the ODOT Construction Surveying Manual for Contractors, Chapter 1.6 (see Section 00305) and 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.
- Perform earthwork slope staking including intersections and matchlines and set stakes defining limits for clearing which approximate right-of-way and easements.
- Inform the Engineer of any property corners monuments and/or survey markers that are
 not shown on the plans and are found during construction activities prior to disturbing the
 monuments. Allow the Agency 2 Work days for referencing all found markers before they
 are removed. Monuments that are noted on the plans to be protected and are disturbed
 by the Contractor's activities shall be replaced by the Contractor's surveyor at the
 Contractor's expense.

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:

- Hold a utility scheduling meeting and monthly utility coordination meetings (see also 00180.42);
- Maintain and re-establish utility location marks according to OAR 952-001-0090(3)(a). Coordinate re-establishment of the location marks with the associated Utility;
- Determine the exact location before excavating within the tolerance zone according to OAR 952-001-0090(3)(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; and
- In addition to the notification required in OAR 952-001-0090(6), 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.

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.

Add the following subsection:

00150.50(f) Utility Information (No Anticipated Relocations) - Within the Project limits, there are no anticipated relocations with the Utilities listed below. The Contractor shall contact those Utilities having buried facilities and request that they locate and mark them for their protection prior to construction.

	Contact Person's Name,
	Address,
	Email,
Utility	and Phone Number
Portland General Electric	Chris Quanies
	chris.quines@pgn.com
	503-522-8103
Northwest Natural Gas	Brock Inman
	Brock.Inman@nwnatural.com
	971-378-2448
Comcast	Scott Anderson
	Scott_Anderson3@cable.comcast.com
	503-351-9487
Lumen	relocation@lumen
	Project ID No.: P-624936
Ziply	Scott Binney
	Scott_binney@ziply.com
	503-643-0371
Verizon	lan Lambie
	ian.lambie@verizon.com
	503-867-2758
Oak Lodge Water Service District	Chad Martinez (Storm/Sewer)
	chad.martinez@olws.org
	971-322-6952
	Ryan Hunter (Water)
	Ryan.hunter@olws.org
	503-353-4205
Clackamas County	Kyle Bean
Water Environmental Services	KBean@clackamas.us
(WES)	971-284-7199
Sunrise Water Authority	Jeff Baltzell
	JBaltzell@sunrisewater.com
	technicalservices@sunrisewater.com
	503-765-9236

The Contractor shall notify, in writing, the Utilities listed above, with a copy to the Engineer, at least 14 Calendar Days before beginning Work on the Project.

Add the following subsection:

00150.50(g) Utility Information (Anticipated Relocations):

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 and times:

		Contact Person's Name, Address, Email,	Estimated Completion
Subsection	Utility	and Phone Number	Date
00150.50(g)(1)	NW Natural Gas	Brock Inman Brock.Inman@nwnatural.com 971-378-2448	During Construction
00150.50(g)(2)	Oak Lodge Water Service District	Chad Martinez (Storm/Sewer) chad.martinez@olws.org 971-322-6952 Ryan Hunter (Water) Ryan.hunter@olws.org 503-353-4205	During Construction
00150.50(g)(3)	Clackamas County WES	Kyle Bean <u>KBean@clackamas.us</u> 971-284-7199	During Construction
00150.50(g)(4)	Sunrise Water District	Jeff Baltzell JBaltzell@sunrisewater.com technicalservices@sunrisewater.com 503-765-9236	During Construction

The Contractor shall contact the Engineer to view the approved Utility Relocation Plans.

The Contractor shall notify, in writing, the Utilities listed above, with a copy to the Engineer, at least 14 Calendar Days before beginning Work on the Project.

(1) Northwest Natural Gas - "Gas Utility":

The Contractor shall notify the Gas Utility in writing, with a copy to the Engineer, at least 14 Calendar Days before beginning Work within 10 feet of the gas pipeline.

The Contractor shall notify the Gas Utility in writing, with a copy to the Engineer, 14 Calendar Days before the Contractor is scheduled to begin performing paving operations. After the Gas Utility receives the notification, the Contractor shall then allow the Gas Utility 7 Calendar Days to schedule and complete the relocation and adjustment work before the Contractor begins performing paving operations.

In the event of an emergency, and in addition to the calls required by the Utilities notification system, the Contractor shall call:

Northwest Natural Gas 1-800-882-3377

(2) Oak Lodge Water Service District - "Sewer Facility":

The Contractor shall notify the Sewer Facility in writing, with a copy to the Engineer, at least 14 Calendar Days before beginning Work within 10 feet of the Sewer facilities.

The Contractor shall notify the Sewer Facility in writing, with a copy to the Engineer, 14 Calendar Days before the Contractor is scheduled to begin performing paving operations. After the Sewer Facility receives the notification, the Contractor shall then allow the Sewer Facility 7 Calendar Days to schedule and complete the relocation and adjustment work before the Contractor begins performing paving operations.

(2) Oak Lodge Water Service District - "Water Utility":

The Contractor shall notify the Water Utility in writing, with a copy to the Engineer, at least 14 Calendar Days before beginning Work within 10 feet of the Water Utility facilities.

The Contractor shall notify the Water Utility in writing, with a copy to the Engineer, 14 Calendar Days before the Contractor is scheduled to begin performing paving operations. After the Water Utility receives the notification, the Contractor shall then allow the Water Utility 7 Calendar Days to schedule and complete the relocation and adjustment work before the Contractor begins performing paving operations.

(3) Clackamas County WES - "Sewer Facility":

The Contractor shall notify the Sewer Facility in writing, with a copy to the Engineer, at least 14 Calendar Days before beginning Work within 10 feet of the Sewer facilities.

The Contractor shall notify the Sewer Facility in writing, with a copy to the Engineer, 14 Calendar Days before the Contractor is scheduled to begin performing paving operations. After the Sewer Facility receives the notification, the Contractor shall then allow the Sewer Facility 7 Calendar Days to schedule and complete the relocation and adjustment work before the Contractor begins performing paving operations.

(4) Sunrise Water District - "Water Utility":

The Contractor shall notify the Water Utility in writing, with a copy to the Engineer, at least 14 Calendar Days before beginning Work within 10 feet of the Water Utility facilities.

The Contractor shall notify the Water Utility in writing, with a copy to the Engineer, 14 Calendar Days before the Contractor is scheduled to begin performing paving operations After the Water Utility receives the notification, the Contractor shall then allow the Water Utility 7 Calendar

Days to schedule and complete the relocation and adjustment work before the Contractor begins performing paving operations.

END OF SECTION

<u>Section 00160 – Source of Materials</u>

Comply with Section 00160 of the Standard Specifications supplemented and/or 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 MFTP on its projects:

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

The County follows the NTMAG on its projects.

END OF SECTION

Section 00170 – Legal Relations and Responsibilities

Comply with Section 00170 of the Standard Specifications supplemented and/or modified as follows:

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

This project is to be constructed in Clackamas County road right of way and streets. There are no separate road opening permits required from Clackamas County to perform the work required under this contract.

The County has obtained an Oak Lodge Water Services (OLWS) Erosion Control Permit for the Work on SE Derry Lane, SE Mark Kelly Court, and SE Harold Court. The Contractor shall follow all OLWS Erosion Control Permit requirements, including:

- install and maintain erosion control measures
- schedule an erosion control inspection
 - o OLWS Erosion Control Inspector: Lara Christensen
 - Phone: 971-291-4533email: lara@olwsd.org
- assure that the Oak Lodge inspector is onsite during saw cutting. If any slurry is found in stormwater infrastructure, the Contractor will be required to clean, repair and/or replace any infrastructure at the Contractor's expense.

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

00170.61(a) Workers' Compensation - Replace this subsection, except for the subsection number and title, with the following:

The Contractor shall provide workers' compensation coverage for on-the-job injuries as required by 00170.70(e).

00170.65(b)(1) Minimum Wage Rates – Replace the paragraph that begins "The Bureau of Labor and Industries (BOLI) ..." with the following paragraph:

The Bureau of Labor and Industries (BOLI) determines and publishes the existing State prevailing wage rates in the publication *Prevailing Wage Rates for Public Works Contracts*. The Contractor shall pay workers not less than the specified minimum hourly wage rate according to ORS 279C.838 and ORS 279C.840, and shall include this requirement in all subcontracts.

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(a) Insurance Coverages - Add the following to the end of this subsection:

The following insurance coverages and dollar amounts are required pursuant to this subsection:

Insurance Coverages	Combined Single Limit per Occurrence	Annual Aggregate Limit	
Commercial General Liability	\$1,000,000	\$2,000,000	
Commercial Automobile Liabilit	y \$1,000,000	(aggregate limit not required)	

00170.70(d) Additional Insured - Replace the paragraph that begins "The liability insurance coverages of 00170.70(a)..." with the following paragraph:

The liability insurance coverages of 00170.70(a) shall include an Additional Insured Endorsement endorsing the "State of Oregon, the Oregon Transportation Commission and the Oregon Department of Transportation, and their respective officers, members, agents, and employees" as Additional Insureds, but only with respect to the Contractor's activities to be performed under the Contract. Coverage shall be primary and non-contributory with any other insurance and self-insurance. The liability coverages of 00170.70(a) that are permitted by the Agency to be obtained by an appropriate Subcontractor shall include all of the foregoing as Additional Insureds and shall also include the Contractor and its officers and employees as Additional Insureds.

- · Clackamas County and its officers, agents, and employees
- Clackamas County Board of Commissioners
- Consor North America, Inc.
- Oak Lodge Water Services

00170.72 Indemnity/Hold Harmless – Delete and replace with the following:

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.
- Oak Lodge Water Services

00170.85(b-1) Contractor Warranty for Specific Items – This subsection does not apply:

END OF SECTION

<u>Section 00180 – Prosecution and Progress</u>

Comply with Section 00180 of the Standard Specifications supplemented and/or modified as follows:

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Subcontracting - Add the following to subsection (a):

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;
- Conduct a Prepaving Conference per Section 00744.51;
- Conduct a Preplacement Conference per Section 00759.04;

Add the following paragraph to the end of the subsection:

The Contractor shall not begin On-Site Work before June 16, 2025, 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	
Contract Time	00180.50(h)
Closed Lanes	00220.40(e)(1)
Limited Duration Road Closure	· · · · · · · · · · · · · · · · · · ·
Noise Control	00290.32
Maintenance Under Traffic	00620.43
Opening Sections to Traffic	00744.50

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.

After the paragraph that begins "The Contractor shall submit a Project Work schedule meeting the requirements..." add the following paragraphs:

Submit an overall sequencing and phasing plan showing the timeline for construction of all curb ramps.

The Contractor shall include the following curb ramp tasks in the Project Work schedule:

- Contractor initial site visit(s) for ramp existing conditions;
- Submittal of Working Drawings for each ramp, submitted to the Agency according to 00759.03(c);
- · Submittal of Curb Ramp Plan(s); and
- Preplacement Conference(s).

In the paragraph that begins "The Contractor shall submit a supplemental "look ahead" Project Work schedule each week to the Engineer." add the following bullets to the end of the bullet list:

- Identify date of curb ramp site visit to include Contractor and Agency, to review Working Drawings;
- Identify curb ramp resubmittal of Working Drawings, as required according to 00759.03;
- Identify the anticipated date of curb ramp closure;
- Identify the field markings for excavation limits for curb ramps;
- · Identify when the curb ramp formwork begins;
- · Identify when the curb ramp Concrete placement begins; and
- · Identify the anticipated opening curb ramp date.

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.

O0180.42 Preconstruction Conference - Add the following:

The Contractor shall conduct a group Utilities scheduling meeting with representatives from the Utility companies involved with this Project and the Engineer before the preconstruction conference. The Contractor shall incorporate the Utilities time needs into the Contractor's schedule submitted at the preconstruction conference.

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

 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.
- <u>Project Information Signs shall be in place 2 weeks before the first substantial work activity commences on the project site.</u>

Add the following subsection:

00180.50(h) Contract Time - There is one Contract Time on this Project as follows:

(1) The Contractor shall complete all Work to be done under the Contract not later than September 12, 2025.

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)(1) Single Contract Time - Replace this subsection, except for the subsection number and title, with the following:

The Liquidated Damages per Calendar Day* are 15.0 percent of C divided by T as defined in this Section.

C = The Contractor's Bid amount for the Contract.

T = The total Calendar Days between the latest completion date or time listed under 00180.50(h) in the Solicitation Documents and the Bid Opening that will result in the greatest value for T.

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

Add the following subsection:

00180.85(c) Lane Closures - Lane closures 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 Lanes are closed beyond the limits listed in 00220.40(e) or 00220.40(f). 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) or 00220.40(f).

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).

Add the following subsection:

00180.85(e) 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.

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).

END OF SECTION

<u>Section 00190 – Measurement of Pay Quantities</u>

Comply with Section 00190 of the Standard Specifications supplemented and/or modified as follows:

00190.20(f)(2) Scale Without Automatic Printer - Replace the paragraph that begins "The Contractor shall inform..." with the following paragraph:

If the scales require manual entry of gross weight information, the Agency may periodically have a representative weigh witness at the scales to observe the weighing procedures. The Contractor shall inform the Engineer of their intent to use a scale without an automatic printer at least 3 working days before weighing begins or before the Contractor changes to a scale that does not have an automatic printer. The Contractor shall pay costs for the weigh witness. The hourly cost of the weigh witness will be as stated in the Special Provisions. In addition, the Engineer may periodically check the weight for a load of Materials by directing the haul vehicle to reweigh on a different scale that has been inspected and certified according to 00190.20(b) and 00190.20(d).

Add the following paragraph after the paragraph that begins " If the scales require manual entry...":

Pay costs for the weigh witness at \$35.00 per hour.

00190.20(g) Agency-Provided Weigh Technician: Delete and replace subsection (g) with the following:

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

END OF SECTION

Section 00195 – Payment

Comply with Section 00195 of the Standard Specifications supplemented and/or 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.

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 – Add the following:

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(a)(1) Progress Estimates - Delete the first sentence and replace 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 - Delete the section and 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 - Delete the first paragraph and replace with:

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)(1) Cash, Alternate A – Replace this subsection, except for the subsection number and title, with the following:

Retainage will be deducted from progress payments and held by the Agency until final payment is made according to 00195.90, unless otherwise specified in the Contract.

Except as otherwise provided, the Agency will deposit the cash retainage withheld in an interest bearing account, established through the State Treasurer for the benefit of the Agency, as required by ORS 279C.560(5). Interest earned on the account shall accrue to the Contractor. Amounts retained and interest earned will be included in the final payment made according to 00195.90, unless otherwise specified in the Contract.

Any retainage withheld on Work performed by a Subcontractor will be released to the Contractor according to 00195.50(d).

00195.50(c)(2) Cash, Alternate B (Retainage Surety Bond) - Replace this subsection, except for the subsection number and title, with the following:

The Contractor may submit a Surety bond in lieu of all or a portion of the retainage required under the Contract. The Agency will accept this Surety bond unless the Agency first finds in writing good cause for rejection based on unique project circumstances in accordance with ORS 279C.560(1)(c).

The Surety bond must be in substantially the form specified in ORS 701.435 (4) (Oregon House Bill 4006, 2024), and executed by a Surety bonding company that is authorized to transact Surety business in the State of Oregon and may not be a Surety obligation of an individual. The Surety bond and any proceeds of the Surety bond must be made subject to all claims and liens and in the same manner and priority specified for retainage under ORS 279C.550 to 279C.570 and ORS 279C.600 to 279C.625. Agency will reduce the cash retainage held by an amount equal to the value of the Surety bond and pay the amount of the reduction to Contractor according to ORS 279C.570. Any retainage withheld on Work performed by a Subcontractor will be released to the Contractor according to 00195.50(d).

When the Agency accepts a Surety bond in lieu of retainage from the Contractor, the Contractor shall accept Surety bonds from Subcontractors or Suppliers from which the Contractor has withheld retainage. At any time before final payment a Subcontractor may submit a Surety bond

to the Contractor and request that the Contractor submit a Surety bond as described above for the portion of the Contractor's retainage that pertains to the Subcontractor. The Surety bond the Subcontractor provides to the Contractor must meet the Agency requirements specified in the paragraph above. When a Contractor at a Subcontractor's request obtains and submits a Surety bond under this subsection, the Contractor may withhold from payments to the Subcontractor an amount equivalent to the portion of the Contractor's Surety bond premium for which the Subcontractor is responsible in accordance with ORS 279C.560 (Oregon House Bill 4006, 2024).

Within 30 Days after a Subcontractor's request the Contractor shall provide a Surety bond as described above, and the Agency will accept the Surety bond unless:

- the Agency finds in writing good cause for rejection based on unique project circumstances in accordance with ORS 279C.560;
- a Surety bond is not commercially available;
- the Subcontractor refuses to pay to the Contractor the Subcontractor's portion of the Surety bond premium; or
- the Subcontractor refuses to provide the Contractor with a Surety bond that meets the requirements of ORS 279C.560(1)(b).

Notwithstanding 00195.50(d), within 30 Days of receiving a Surety bond from Contractor at a Subcontractor's or Supplier's request, Agency will release to the Contractor the amount held as retainage that is equivalent to the amount the Contractor submitted as a Surety bond. Contractor shall, within 30 Days after receiving a Surety bond from a Subcontractor or Supplier, release to the Subcontractor or Supplier the amount the Contractor holds as retainage that is equivalent to the amount of the Surety bond submitted, in accordance with ORS 279C.560(8).

00195.50(c)(3) Bonds, Securities, and Other Instruments - Replace this subsection, except for the subsection number and title, with the following:

Contractor may deposit bonds, securities or other instruments with the Agency or in a bank or other financial institution, to be held by Agency instead of cash retainage for the benefit of the Agency, which the Agency will accept unless the Agency first finds in writing good cause for rejection based on unique project circumstances, in accordance with ORS 279C.560(1)(c).

If the Contractor deposits bonds, securities or other instruments, and Agency does not reject the bonds, securities or other instruments as permitted by ORS 279C.560(1)(c), the Agency will reduce the cash retainage by an amount equal to the value of the bonds, securities and other instruments. Interest or earnings on the bonds, securities and other instruments accrue to the Contractor.

Bonds, securities and other instruments deposited instead of cash retainage shall be of a character approved by the Director of the Oregon Department of Administrative Services, including, but not limited to:

- Bills, certificates, notes or bonds of the United States;
- Other obligations of the United States or agencies of the United States;
- Obligations of a corporation wholly owned by the federal government;
- Indebtedness of the Federal National Mortgage Association;

- General obligation bonds of the State of Oregon or a political subdivision of the State of Oregon;
- Irrevocable letters of credit issued by an insured institution, as defined in ORS 706.008.

00195.50(f) Prompt Payment Policy - Replace this subsection, except for the subsection number and title, with the following:

Payments shall be made promptly according to ORS 279C.560, ORS 279C.570, ORS 279C.580 and other applicable legal requirements.

END OF SECTION

<u>Section 00196 – Payment for Extra Work</u>

Comply with Section 00196 of the Standard Specifications supplemented and/or modified as follows:

00196.91 Extra Work Allowance – Add the following new 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

<u>Section 00197 – Payment for Force Account Work</u>

Comply with Section 00197 of the Standard Specifications.

END OF SECTION

<u>Section 00199 – Disagreements, Protests and Claims</u>

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

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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 bullets 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 and "DO NOT PASS" (R4-1) signs at 500 foot spacings. Install a "BUMP" (W8-1) sign 100 feet prior to the transverse paving edge.
- Provide a licensed tow truck service for responding to stranded or disabled vehicles within the Project limits. Provide the tow truck service during the hours designated in 00220.40(h), and as directed by the Engineer.
- 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.
- 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.

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 the SE 124th Avenue, SE 125th Avenue, SE Opal Way, SE Mather Road, SE 126th Avenue, SE Sonoma St, SE Huron St, SE 124th Place, SE 128th Avenue, SE Derry Lane, SE Mark Kelly Court, and SE Harold Ct 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.

Add the following subsection:

00220.40(f) Limited Duration Road Closure - The Contractor will be permitted to close all Traffic Lanes for periods not to exceed 2 days in duration for each street during pavement rehabilitation Work, as long as a road closure plan and detour 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 the 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:

00221.06 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.

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

00221.90(b) Temporary Protection and Direction of Traffic – Replace the bullet that begins "Providing, Surfacing, maintain..." with the following bullet:

Providing, surfacing, maintaining, removing, and restoring the TPAR.

00221.98(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 ار	ump 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 pa
items included in the	bid item schedule will be paid. All TCD and operations required to safely
protect and direct tra	affic and pedestrians around and through the work zone(s) not listed in the
bid item schedule sl	all 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:

- At least ten Calendar Days before closing the sidewalk at SE Derry Lane, place a
 "SIDEWALK CLOSED, Full Time" (CW11-4) sign in advance of each future closure point.
 Locate the sign so it is legible from the nearest alternate pedestrian pathway facing
 incoming pedestrian traffic. The sign may be mounted between the panels of a Type II
 barricade or on a single-post TSS. Do not place the sign or sign support such that it narrows
 the pedestrian pathway to a width of less than 4 feet.
- Before opening the TPAR, place TPAR signing and other TCM as shown, or as directed.
 Maintain the "SIDEWALK CLOSED, Full Time" (CW11-4) signs while the TPAR is open to pedestrian traffic.
- 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" and a "PROJECT NOTIFICATION SIGN" on a single wood post.
 Install a "PROJECT NOTIFICATION SIGN" on a single wood post. Place these Project
 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.

<u>Project Signs shall be in place 2 weeks before the first substantial work activity commences on the project site.</u>

- 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.

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:

00228.80 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.

END OF SECTION

SECTION 00280 - EROSION AND SEDIMENT CONTROL

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

00280.00 Scope - Replace the paragraph that begins "This Work also consists of providing temporary ..." with the following paragraph:

This Work also consists of providing temporary erosion and sediment control (ESC) measures and furnishing, installing, moving, operating, maintaining, inspecting, and removing ESC throughout the Project area according to the Standard Drawings, the erosion and sediment control plan (ESCP), the Specifications, or as directed, until the site is permanently stabilized. Included also is the monitoring of weather, of stormwater and receiving waters, the reporting of monitoring observations, the reporting of corrective actions (when necessary) and the updates and revisions

of the ESCP, including ESCP cover sheet, necessary to keep it representative of current site conditions and compliant with the County's 1200-CA permit if applicable.

All provisions of the Oak Lodge Water Services (OLWS) Erosion Control/Surface Water Management Permit are applicable to the Work on SE Derry Lane, SE Mark Kelly Court, and SE Harold Court.

Delete the paragraph that begins "When contaminants, pollutants or hazardous materials...".

Add the following paragraph to the end of this subsection:

The County's NPDES 1200-CA permit is applicable to the Project. The OLWS NPDES 1200-CA permit is applicable to the Work on SE Derry Lane, SE Mark Kelly Court, and SE Harold Court.

Add the following paragraphs to the end of this subsection:

Fill in required information listed on the ESCP cover sheet prior to beginning of construction and submit revised cover sheet to Engineer 10 Days before the preconstruction meeting. Monitor weather, stormwater runoff, and receiving waters, and document monitoring observations. Immediately upon discovery, notify Engineer if a 1200-CA permit non-compliance occurs. Provide updates and revisions of the ESCP, including ESCP cover sheet, necessary to keep it representative of current site conditions and compliant with the 1200-CA permit.

When contaminants, pollutants or hazardous materials are discovered in the Project location in soils or groundwater comply with 00290.20(f) and, provide an environmental management plan (EMP) as required by the 1200-CA permit if applicable.

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.*

When designing, applying, installing, maintaining, inspecting, and removing erosion and sediment control devices on or near SE Derry Lane, SE Mark Kelly Court, and SE Harold Court, use the version in effect on the date the Project is advertised, of the Oak Lodge Water Services *Design and Construction Standards Manual*.

00280.06 Erosion and Sediment Control Manager - Delete this subsection.

00280.30 Erosion and Sediment Control Manager -

Add the following bullet to the beginning of the bullet list under "The ESCM duties include:"

Be present at the Project Site during all ground disturbing activities.

Replace the bullet that begins "Monitor rainfall, snow melt and runoff ..." with the following bullet:

Visually monitor rainfall, snow melt and runoff at the Project Site.

Replace the bullet that begins "Monitor water quality in receiving streams in ..." with the following bullet:

Visually monitor water quality in receiving streams in the vicinity of the Project Site.

Replace the bullet that begins "Monitor water in sediment traps receiving ..." with the following bullet:

• Monitor the pH of the water in sediment traps receiving runoff from soils amended with cementitious material for acidity or alkalinity.

00280.64(b) Corrective Action Documentation – Add the following bullets to the beginning of the bullet list:

- If completion of corrective action is not feasible within 24 hours, document the reasons why the time line cannot be met.
- Provide a schedule for clean-up and corrective actions that restores Effective Functioning as soon as feasible. If schedule cannot be met document the reasons for the delay.
- Provide all corrective action documentation and photographs to Agency within 24 hours of completion of corrective actions.

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

(f) 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

<u>SECTION 00290 - ENVIRONMENTAL PROTECTION</u>

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

00290.32 Noise Control - Add the following paragraph to the end of this subsection:

Review *Clackamas County Code Chapter 6.05* which describes noise control regulations. Obtain and be responsible for necessary permits described in *Clackamas County Code Chapter 6.05*. Comply with the applicable noise control requirements for Project Work.

END OF SECTION

SECTION 00305 - CONSTRUCTION SURVEY WORK

Comply with Section 00305 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 offset roadway crown construction where shown in the plans. 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 roadway 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 pavement 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 offset crown roadway 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 Contactor'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, hardscape or vegetated areas adjacent to the back of walk as shown on the Plan or as directed by the Engineer.

00310.92 Separate Item Basis - Add the following Pay Item to the Pay Item list:

(i) Removal of Surfacings for Curb Ramp Construction......... Square Yard

Add the following to the end of this subsection:

Item (i) 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 OF SECTION

SECTION 00320 - CLEARING AND GRUBBING

Comply with Section 00320 of the Standard Specifications modified as follows:

00320.40(c) Tree and Vegetation Trimming - Replace the bullet that begins "Trim branches obstructing sight..." with the following bullet:

• Trim and remove branches, vegetation, or other materials obstructing sight distance at intersections or impairing visibility of signs, signals, illumination, and other TCD.

END OF SECTION

SECTION 00330 - EARTHWORK

Comply with Section 00330 of the Standard Specifications.

END OF SECTION

SECTION 00331 - SUBGRADE STABILIZATION

Comply with Section 00331 of the Standard Specifications.

END OF SECTION

SECTION 00340 – WATERING

Comply with Section 00340 of the Standard Specifications.

END OF SECTION

<u>SECTION 00440 – COMMERCIAL GRADE CONCRETE</u>

Comply with Section 00440 of the Standard Specifications.

END OF 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 OF 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, in coordination with the County Surveyor, will reset the vertical location of monuments that are disturbed after construction. Coordination with the Engineer's surveyor, the County 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 other work under this project.

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:

When existing grade matches finish grade shown on the plans, no measurement shall be made for adjusting structures or boxes. 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 00610 - RECONDITIONING EXISTING ROADWAY

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

00610.15 Quality Control – Add the following sentence to the end of this subsection:

Following final grading and compaction of existing aggregate base, conduct proof-roll deflection testing in accordance with 00330.43(c).

00610.42 Aggregate Subbase, Base and Surfacing – Supplement this subsection with the following:

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 paving operations. Grading which continues to cause ponding shall be discussed and approved by the Engineer prior to paving.

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 existing 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 cold plane 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 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:

Pay Item

Unit of Measurement

(a) Reconditioning Existing Roadway......Square Yard

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:

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

Traffic will be allowed on the cold planed surface up to 2 Calendar Days (local access only) after removing the existing surface. Sweep and clean the cold planed surface before opening to traffic.

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 additional pavement repair by the Contractor. For areas that require additional pavement repairs, see Section 00748 and Section 00749.

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

Areas marked in the field by the Engineer as requiring localized cold plane pavement removal prior to mainline overlay paving or localized cold plane pavement removal 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" per Section 00749. For areas that require additional structural repairs, see Section 00748.

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

Payment will only be made for those areas shown or as directed by the Engineer.

Payment will be made for "Extra for Spot Grind and Inlay Areas" as shown or as directed by the Engineer per Section 00749. 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 edge at milled joints.

END SECTION

SECTION 00640 - AGGREGATE BASE AND SHOULDERS

Comply with Section 00640 of the Standard Specifications.

END SECTION

SECTION 00730 - EMULSIFIED ASPHALT TACK COAT

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

00730.11 Emulsified Asphalt – Replace the sentence that begins "Furnish CSS-1, CSS-1h..." with the following sentence:

Furnish CSS-1, CSS-1h, CMS-2, CMS-2S, CMS-2h, CRS-1, CRS-2, HFRS-2, HFMS-2 or HPTC as selected by the Contractor.

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 00744 - ASPHALT CONCRETE PAVEMENT

Comply with Section 00744 of the Standard Specifications modified as follows:

00744.10(a) New Course and Fine Aggregates – Replace the third paragraph beginning with "Testing of Aggregates" in its entirety with:

Provide test results showing that aggregates meet requirements for soundness, durability, fractured faces, and harmful substances as described below. No sandstone, shale, or other soft material will be allowed.

00744.11(a) Asphalt Cement - Add the following to the end of this subsection:

Provide PG 64-22 grade asphalt cement for this Project.

Add the following subsection:

00744.25 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.

00744.43(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 2,500 feet. Deliver the ACP to the paving machine by either a windrow pick-up machine or an end-dump transfer machine.

For driveways and approaches the Contractor shall wing out the paving machine or dump additional material by hand for driveway apron. In no case will material be removed from the traveled lane for driveway apron.

00744.44(a)(2) Wearing Course - Replace the paragraph that begins "Construct longitudinal joints ..." with the following paragraph:

Construct longitudinal joints six inches from permanent lane markings, or as shown or directed.

00744.44(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:

00744.46 Preparation of Underlying Surfaces

- a) **Preparation of Underlying Surfaces** All bases and foundations on which the pavement is to be constructed shall meet the applicable Specifications and approved before the start of paving. Recondition existing bases and foundations according to Section 00610. Trim broken or ragged edges to firm material when directed.
 - Remove existing pavement markers, recessed markers, and pavement legends before paving. Remove pavement lines, bars, and pavement legends as shown or directed and according to 00225.45.
- b) **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.

00744.50 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.

00744.51 Prepaving Conference - Have a prepaving conference with all Contractor supervisory personnel, all Subcontractors who are to be involved in the paving Work, and the Engineer. Meet at a mutually agreed time and discuss all methods of accomplishing all phases of the paving Work.

00744.76 Sand Seal - 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.

00744.77 Cleanup - 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.

00744.78 Finish Surfaces - 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.

00744.80 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 bulk specific gravity of 2.80.

00744.90 Payment – Replace the paragraph that begins "No separate or additional..." with the following paragraph:

No separate or additional payment will be made for:

- asphalt cement, mineral filler, lime, and anti-stripping or other additives contained in the mixture
- tack coat
- sawcutting
- 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

00744.91 Price Adjustments – Add the following 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.

00749.90 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 prior to or 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

<u>SECTION 00759 - MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES</u>

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

00759.11 Aggregate Base – Replace this subsection, except for the subsection number and title, with the following:

Furnish Aggregate Base Materials for Base, foundation courses, Leveling courses, or bedding meeting the requirements of 00640.10 or dense graded Base Aggregate in 00641.10 as appropriate and included in the Special Provisions.

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 installations at all ramp locations.

00759.22(a) Qualified Smart Levels – Replace this subsection, except for the subsection number and title, with the following:

Slopes will be measured with the use of a 24 inch SmartTool level model 92379 or model 92500, and a 6 inch SmartTool level model 92346 or 92510.

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.

00759.42 Foundations - Replace this subsection with the following subsection:

00759.42 Aggregate Base - Before placing concrete, prepare underlying Aggregate Base surfaces according to Section 00640 or Section 00641, as appropriate and included in the Special Provisions.

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 00905 - REMOVAL AND REINSTALLATION OF EXISTING SIGNS

Comply with Section 00905 of the Standard Specifications, modified as follows

01030.00 Scope – Replace this subsection, except for the subsection number and title, with the following:

This Work consists of the following:

- Removing existing signs, specific service signs, and tourist-oriented directional signs (TODS) and existing supports as shown or directed.
- Removing and moving existing signs, specific service signs, and tourist-oriented directional signs (TODS) and existing supports from their existing locations and reinstalling them at new locations with existing support, new sleeves, and new foundations as shown or directed.
- Removing and moving existing signs, specific service signs, and tourist-oriented directional signs (TODS) from their existing locations and reinstalling them at new locations with new supports, new sleeves, and new foundations as shown or directed.

00905.90 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)	Remove Existing SignsL	ump Sum
b)	Remove and Reinstall Existing SignsL	ump Sum
c)	Remove and Reinstall Existing Signs on Existing SupportsL	.ump Sum
d)	Remove and Reinstall Existing Signs on New Supportsl	₋ump Sum

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

No separate or additional payment will be made for sign supports, sign support footings, anchor sleeves, excavation, backfill, attachment hardware, or other incidentals necessary to complete the Work.

END SECTION

<u>SECTION 00920 – SIGN SUPPORT FOOTINGS</u>

Comply with Section 00920 of the Standard Specifications, modified as follows:

00920.80 Measurement – Replace this subsection, except for the subsection number and title, with the following:

No measurement of quantities will be made for Work performed under this Section.

00920.90 Payment – Replace this subsection, except for the subsection number and title, with the following:

No separate or additional payment will be made for Work performed under this Section.

END SECTION

SECTION 00930 - METAL SIGN SUPPORTS

Comply with Section 00930 of the Standard Specifications, modified as follows:

00930.80 Measurement – Replace this subsection, except for the subsection number and title, with the following:

No measurement of quantities will be made for Work performed under this Section.

00930.90 Payment – Replace this subsection, except for the subsection number and title, with the following:

Mount Talbert Paving Project CI-3-25354

Page 52 of 55 Special Provisions No separate or additional payment will be made for Work performed under this Section.

END SECTION

SECTION 01030 - SEEDING

Comply with Section 0130 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 sufacings will be measured according to 00310.90.

END SECTION

SECTION 01050 - FENCES

Comply with Section 01050 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

<u>SECTION 02050 – CURING MATERIALS</u>

Comply with Section 02050 of the Standard Specifications.

END SECTION

SECTION 02320 – GEOSYNTHETICS

Comply with Section 02320 of the Standard Specifications modified as follows:

02320.20 Geotextile Property Values – Replace Table 02320-3 with the following table:

Table 02320-3 Geotextile Property Values for Sediment Fence ¹

Geotextile Property	ASTM Test Method	Unit	Geotextile Property Requirements Woven and Nonwoven
Grab Tensile Strength (minimum) Machine and Cross Machine Directions	D 4632	lb	120 100
Apparent Opening Size (AOS) (maximum) U.S. Standard Sieve	D 4751	_	30
Permittivity (minimum)	D 4491	sec ⁻¹	0.05
Ultraviolet Stability Retained Strength (minimum)	D 4355 (at 500 hours)	%	70

¹ All geotextile properties are Minimum Average Roll Values (MARV). The test results for any sampled roll in a lot shall meet or exceed the values shown in the table.

END SECTION

SECTION 02530 - STRUCTURAL STEEL

Comply with Section 02530 of the Standard Specifications.

END SECTION

SECTION 02560 - FASTENERS

Comply with Section 02560 of the Standard Specifications.

END SECTION

SECTION 02910 - ILLUMINATION AND TRAFFIC CONTROL MATERIALS

Comply with Section 02910 of the Standard Specifications.

END SECTION

<u>SECTION 03010 – FENCING MATERIALS</u>

Comply with Section 03010 of the Standard Specifications.

END SECTION

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PLANS FOR PROPOSED PROJECT

ASPHALT OILING & PAVING, MISCELLANEOUS HIGHWAY APPURTENANCES, AND TEMPORARY TRAFFIC CONTROL



SITE

MOUNT TALBERT PAVING PROJECT

CI-3-25354

determined that the general repay sidered maintenance for this p

INDEX OF SHEETS

COVER SHEET

LEGEND AND GENERAL NOTES

SHEET LAYOUT PLAN

ESC COVER SHEET - WORKSITE 2

ESC DETAILS - WORKSITE 2

ESC PLAN - WORKSHEET 2

TYPICAL SECTIONS

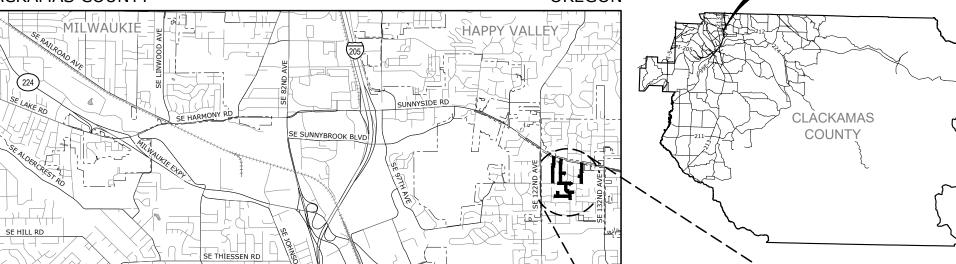
PAVING DETAILS

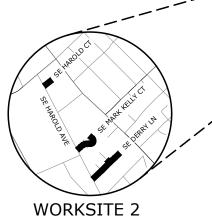
CURB RAMP DETAILS

PAVING PLAN AND NOTES

CLACKAMAS COUNTY

OREGON





SE CLACKAMAS RD



WORKSITE 1

VICINITY MAP NOT TO SCALE

T. 2S, R. 1E SEC. 12 T. 2S, R. 2E SEC. 07 T. 2S, R. 2E SEC. 02

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.



MOUNT TALBERT PAVING PROJECT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREER
OREGON CITY. OR 97045

REVISIONS

90% DESIGN

G-02

G-03

EC-01

EC-02

EC-03 TO EC-04

C-01 TO C-03

C-04 TO C-05

C-06 TO C-07

C-08 TO C-15

G-01

GENERAL NOTES:

INSTALL ELEVEN SETS (2 SIGNS PER SET) 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-03. COORDINATE FINAL LOCATION WITH INSPECTOR. SEE PROJECT SIGN DETAILS, THIS SHEET.

VERTICAL DATUM AND BASIS OF BEARINGS:

1. 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

SURFACING REMOVAL, GRADING AND PAVING NOTES:

- 1. WHERE PAVEMENT IS TO BE REPLACED TO MATCH EXISTING GRADE AT THE ROADWAY CROWN AND ADJACENT TO THE EXISTING CURB, 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 GRADING PRIOR TO PAVING.
- 2. WHERE AGGREGATE BASE IS EXPOSED FROM GRINDING OR REPAIR OPERATIONS AND PRIOR TO PAVING, RECONDITION AND PREPARE THE EXISTING AGGREGATE
- PRIOR TO ASPHALT OVERLAY OR 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 ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION, CONTRACTOR SHALL SHOW APPROPRIATE TIME AND RESOURCES IN THE PROJECT SCHEDULE TO COMPLETE THIS WORK

TRAFFIC CONTROL/PHASING 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,
- LOCAL ROADS WITHIN WORK ZONES MAY BE CLOSED TO THRU TRAFFIC DURING WORK HOURS BUT SHALL REMAIN ACCESSIBLE TO RESIDENTS, BUSINESSES AND SERVICE AT ALL TIMES DO NOT CLOSE SE 124TH AND SE 125TH SIMULTANEOUSLY. CONTRACTOR SHALL PHASE THE WORK SO 2-WAY TRAFFIC IS MAINTAINED OUTSIDE
- 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 SERVICED, AND
- 6. MAINTAIN PEDESTRIAN ACCESS WITHIN CONSTRUCTION LIMITS.

ODOT STANDARD DRAWINGS (EFFECTIVE DATE 12/1/2024-5/31/2025):

• RD610	• TM800
• RD615	• TM820
• RD900	• TM821
• RD901	• TM822
• RD922	• TM840
• RD1010	• TM844
• TM503	

COUNTY STANDARD DRAWINGS

• M100

TM530

OLWS STANDARD DRAWINGS

• NO 212	• NO 234
• NO 224	• NO 236





PAVING SIGN

PROJECT NOTIFICATION SIGN

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.
- 4. CONTRACTOR'S APPROVED SCHEDULE TO DETERMINE DATES ON PROJECT NOTIFICATION SIGN

TEMPORARY PROJECT SIGN DETAIL

ARRDEVIATIONS

ADDK	EVIATIONS
AC	ASPHALTIC CONCRETE
ACP	ASPHALTIC CONCRETE PAVEMENT
ADJ	ADJACENT
AGG	AGGREGATE
APPRX	APPROXIMATE
C/L	CENTERLINE
CI	CAST IRON
CIP	CAST IN PLACE
CONC	CONCRETE
COOR'D	COORDINATE
DET	DETAIL
DIR	DIRECTED
DWG	DRAWING
DWY	DRIVEWAY
EOP	EDGE OF PAVEMENT
EXIST	EXISTING
GR	GROUND/GRADE
HORIZ	HORIZONTAL
LOC	LOCATION
MAX	MAXIMUM
MIN	MINIMUM

MIX **MIXTURE** MUTCD MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NORM NORMAL OREGON DEPARTMENT OF TRANSPORTATION ODOT

OAK LODGE WATER SERVICES TYP OLWS POINT OF CURVE PROP **PVMT** PAVEMENT SLP

RENEWS 6-30-25 RIGHT-OF-WAY REQ'D REQUIRED RDWY ROADWAY S/W SIDEWALK SD STORM DRAIN SHEET STATION STD STANDARD TEMPORARY TEMP

THK

ONE SW COLUMBIA STREET, SUITE 1700 PORTLAND, OREGON 97204

P 503 225 9010

WATER ENVIRONMENTAL SERVICES

THICK/THICKNESS

TYPICAL

TOPOGRAPHIC LEGEND

ASPHALT DRAINAGE CURB

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	4 4
EXISTING PAVERS	
EXISTING GRAVEL	
EXISTING MANHOLE	\mathbb{D} \mathbb{S} \mathbb{T}
EXISTING CLEAN-OUT	0
EXISTING CATCH BASIN/FIELD INLET	
EXISTING ROOF DRAIN	(RD)
EXISTING VALVE	\otimes
EXISTING FIRE HYDRANT	۵
EXISTING WATER METER	H
EXISTING MAIL BOX	3
EXISTING BENCHMARK OR MONUMENT	•
EXISTING SURVEY MONUMENT	\triangle
EXISTING COMMUNICATIONS RISER	図
EXISTING UTILITY POLE/STREET LIGHT	\ \(\square\)
EXISTING UTILITY POLE GUY WIRE	\leftarrow
EXISTING LIGHT	\$
EXISTING UTILITY PULL BOX	-0-
PROPOSED SAWCUT	

90% PLANS **OREGON**

PROJECT MOUNT TALBERT PAVING END

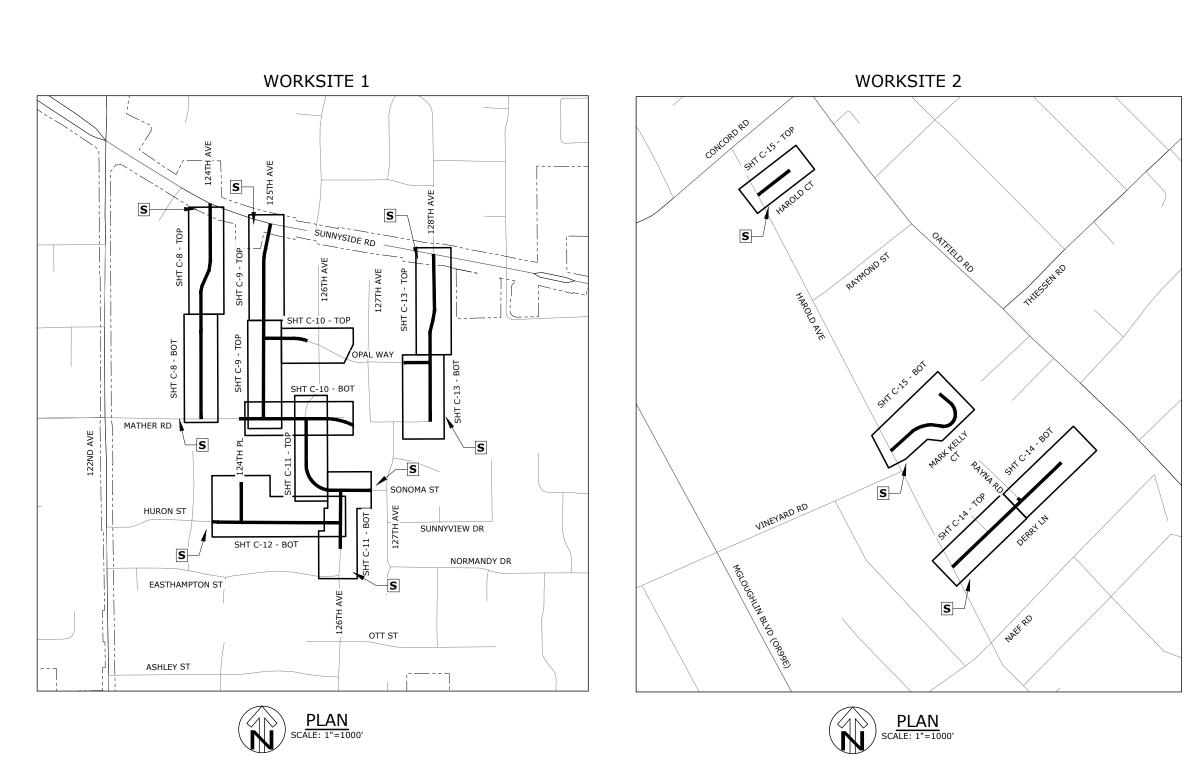
CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY OR ATTACK

DEVELOPA BEAVERCE GON CITY,

REVISIONS

G-02

90% DESIGN



90% PLANS RENEWS 6-30-25

MOUNT TALBERT PAVING PROJECT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
150 BEAVERCREK ROAD
OREGON CITY, OR 97045

ARC
DRAFTED E
DKH
CHECKED E

REVISIONS

heet No. **G-03**

LEGEND S PROJECT INFO SIGN



consor ONE SW COLUMBIA STREET, SUITE 1700 PORTLAND, OREGON 97204 P 503.225.9010

MOUNT TALBERT PAVING PROJECT - EROSION AND SEDIMENT CONTROL PLANS

FOR WORK ON SE DERRY LN, SE MARK KELLY CT, AND SE HAROLD CT

INDEX OF SHEETS					
EC-01	ESC COVER SHEET - WORKSITE 2				
EC-02	ESC DETAILS - WORKSITE 2				
EC-03 TO EC-04	ESC PLAN - WORKSITE 2				

PHONE:

90% PLANS **OREGON** PEW HENRY RENEWS 6-30-25

PROJEC

PAVING

TALBERT

MOUNT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

124TH

DEVELOPER

CONTACT

PHONE:

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT 10N SPARKS

150 BEAVERCREEK RD OREGON CITY, OR 97045 (503)964-4522

ENGINEERING FIRM ANDREW GIESY, PE CONTACT ADDRESS: SUITE 1700

ONE SW COLUMBIA ST, PORTLAND, OR 97204 (503)225-9010

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS
THE EXISTING PROJECT SITE CONDITIONS CONSISTS OF ASPHALT PAVEMENT ADJACENT TO MULTIPLE RESIDENTIAL TAX LOTS. TREES AND OTHER VEGETATION ARE PRESENT NEAR ROADWAY.

PROJECT IMPROVEMENTS INCLUDE ASPHALT GRINDING, ASPHALT OVERLAY, AND CURB RAMP RETROFIT WORK.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

- MASS GRADING
- (NONE ANTICIPATED) (NONE ANTICIPATED (NONE ANTICIPATED) (JUNE 16, 2025)
- * UTILITY INSTALLATION * CURB RAMP RETROFIT * PAVING CONSTRUCTION
- (1ULY 7, 2024)

TOTAL SITE AREA = 45,000 SF = 1.03 ACRES

TOTAL DISTURBED AREA = 0 SF = 0 ACRES

SITE SOIL CLASSIFICATION:

- ALOHA STITLOAM 3 TO 6 PERCENT SLOPES
- 91B WOODBURN SILT LOAM, 3 TO 8 PERCENT SLOPES 91C WOODBURN SILT LOAM, 3 TO 8 PERCENT SLOPES

ON-SITE SOILS HAVE A MODERATE TO HIGH EROSION POTENTIAL. NO FILL MATERIAL IS ANTICIPATED.

RECEIVING WATER BODIES:

NEAREST WATER BODY: WILLAMETTE RIVER AND TRIBUTARIES

PROJECT LOCATION:

CLACKAMAS COUNTY, OREGON LATITUDE = 45°24'22.14'

PROPERTY DESCRIPTION:

THREE COUNTY ROADWAYS LOCATED IN THE OATFIELD NEIGHBORHOOD.

HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONAL THAT INCLUDES THE INSPECTOR TO DISCUSES EROSION CONTROL MEASURES AND CONSTRUCTION LIMITS.

*ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH OLWSD 1200-CN PERMIT REQUIREMENTS

*INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH OLWSD 1200-CN PERMIT REQUIREMENTS

*RETAIN A COPY OF THE ESC PLANS AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO OLWSD, AGENT, OR THE LOCAL AGENCY, DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESC PLANS AT THE CONSTRUCTION

RATIONALE STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS. INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

INITIAL AHG

OAK LODGE WATER SERVICES DISTRICT EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

- WHENEVER RAINFALL AND RUNOFF OCCUR. A KNOWLEDGEABLE AND EXPERIENCED PERSON IN THE PRINCIPLES. PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS MUST PROVIDE DAILY INSPECTIONS OF BOTH THE CONTROLS AND PLACES WHERE WATER FLOWS OUT OF THE SITE. THIS PERSON SHALL WORKS FOR THE PERMITTEE.
- CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND DURING THE WET WEATHER PERIOD, BETWEEN OCTOBER 1 AND MAY 31. ALL EXPOSED SOILS MUST BE COVERED AT END OF BUSINESS DAY DURING THE WET WEATHER PERIOD.
- 3. DURING THE WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORKDAY.
- CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED
- ALL INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION
- 6. SIGNIFICANT AMOUNTS OF SEDIMENT THAT LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND FITHER PLACED BACK ON THE SITE AND STABILIZED OR DISPOSED OF PROPERLY. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF EROSION DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PREFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIME FRAME.
- 7. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES
- 8. SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF ONE THIRD THE BARRIER HEIGHT AND PRIOR TO THE CONTROL MEASURE'S REMOVAL
- 9. ALL STRUCTURES WITH SUMPS MUST BE CLEANED WHEN THE SEDIMENT RETENTION CAPACITY HAS REACHED 50% AND ALSO AT COMPLETION OF THE
- 10. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
- 11. THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE, AND OTHER TOXIC SUBSTANCES DISCOVERED OR GENERATED DURING CONSTRUCTION.
- 12. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN THE RIPERIAN ZONE OF ANY WATERWAY.
- 13. OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL FROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH CURRENT DISTRICT STANDARDS AND COUNTY, STATE, AND FEDERAL REGULATIONS
- 14. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS MUST BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
- 15. PRIOR TO ANY LAND DISTURBING ACTIVITIES. THE MINIMUM CONTROL MEASURES THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE. MUST BE PROPERLY COVERED. ALL THESE MEASURES MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
- 16. IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE BEFORE SEPTEMBER 1
- 17. WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPS; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMÂL SPILLAGE
- 18. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL
- 19. THE EROSION AND SEDIMENT CONTROL PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
- 20. WRITTEN EROSION AND SEDIMENT CONTROL LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON
- 21. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
- 22. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPS MUST BE USED, WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEO GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

		MASS	UTILITY	STREET	FINAL	WET WEATHER
	CLEARING	GRADING	INSTALLATION	CONSTRUCTION	STABILIZATION	(OCT. 1 - MAY 31ST
EROSION PREVENTION	•					
PRESERVE NATURAL VEGETATION				Х	Х	
GROUND COVER						
HYDRAULIC APPLICATIONS						
PLASTIC SHEETING						
MATTING						
DUST CONTROL				Х	X	
TEMPORARY/ PERMANENT SEEDING					Х	
BUFFER ZONE				Х	Х	
OTHER:	1					
SEDIMENT CONTROL	•					
SEDIMENT FENCE (PERIMETER)				Х		
SEDIMENT FENCE (INTERIOR)						
STRAW WATTLES						
FILTER BERM						
INLET PROTECTION				**X		
DEWATERING						
SEDIMENT TRAP						
NATURAL BUFFER ENCROACHMENT						
OTHER:						
RUN OFF CONTROL	•					
CONSTRUCTION ENTRANCE				**X		
PIPE SLOPE DRAIN						
OUTLET PROTECTION						
SURFACE ROUGHENING	1					
CHECK DAMS						
OTHER:						
POLLUTION PREVENTION	•	•				
PROPER SIGNAGE				Х		
HAZ WASTE MGMT	1			х		
SPILL KIT ON-SITE	1	l		X		
CONCRETE WASHOUT AREA				X		

- SIGNIFIES ADDITIONAL BMP'S REQUIRED FOR WORK WITHIN 50' OF WATER OF THE STATE.
- ** SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

INSPECTION FREQUENCY:

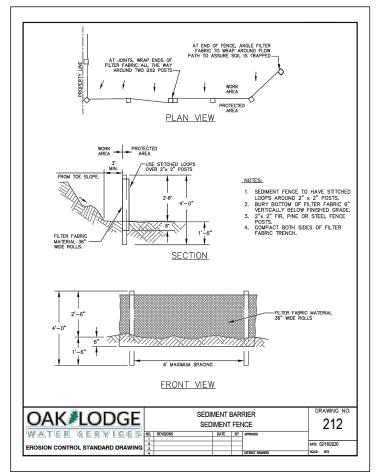
	SITE CONDITION	MINIMUM FREQUENCY
1.	ACTIVE PERIOD	WEEKLY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY MONTH, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2.	PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.	ONCE TO ENDURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3.	INACTIVE PERIODS GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS.	ONCE EVERY TWO (2) WEEKS.
4.	PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WETHER.	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.
5.	PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS.	MONTHLY. RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

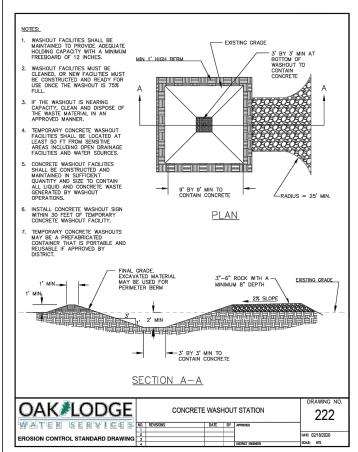
THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200-CA PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-CA PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200-CA PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

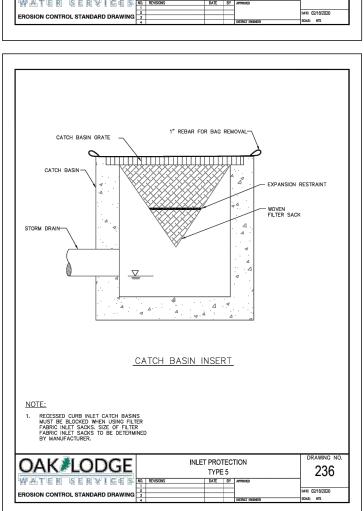
PERMITTEE'S SITE INSPECTOR: JON SPARKS
COMPANY/AGENCY: CLACKAMAS COUNTY
PHONE: (503)964-4522
FAX:
E-MAIL: JSparks@clackamas.us
DESCRIPTION OF EXPERIENCE: EXPERIENCE MANAGING CONTRACT PAVING PROJECTS
FOR THE COLINTY INCLUDING THE IMPLEMENTATION AND INSPECTION OF ESC DIANS

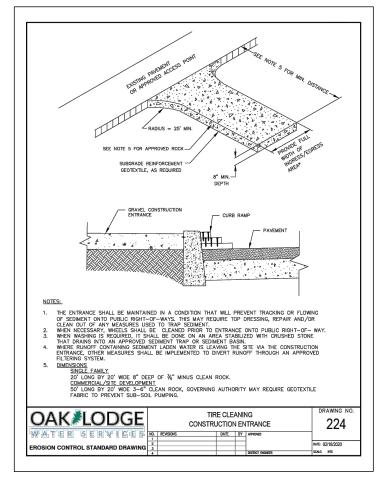


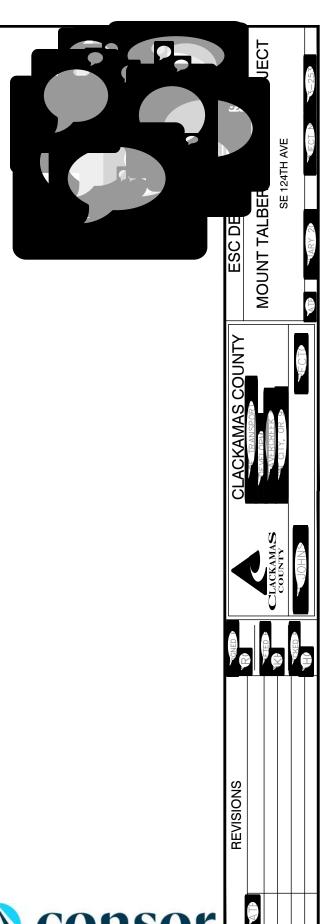
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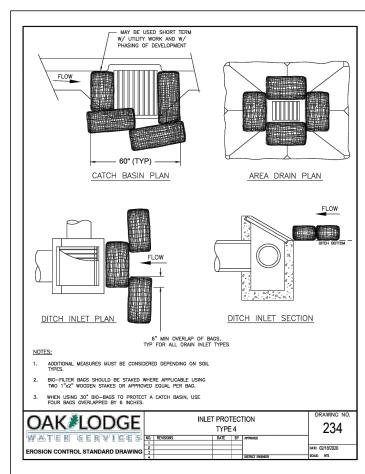






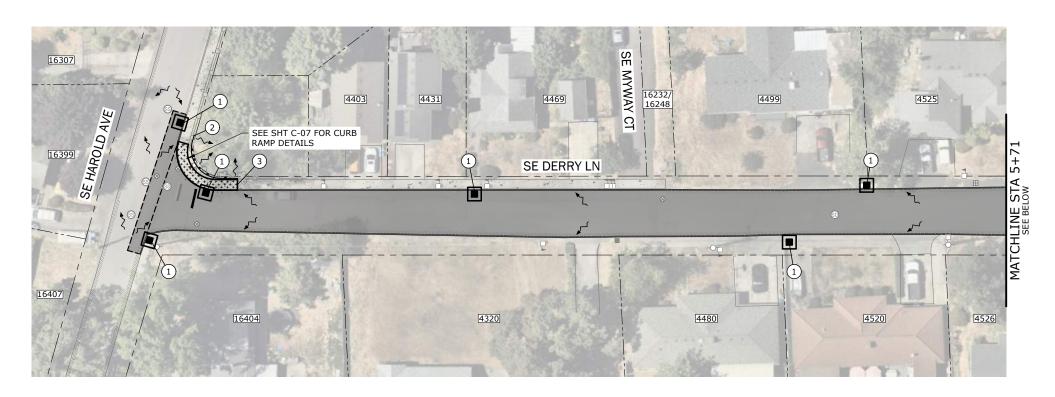




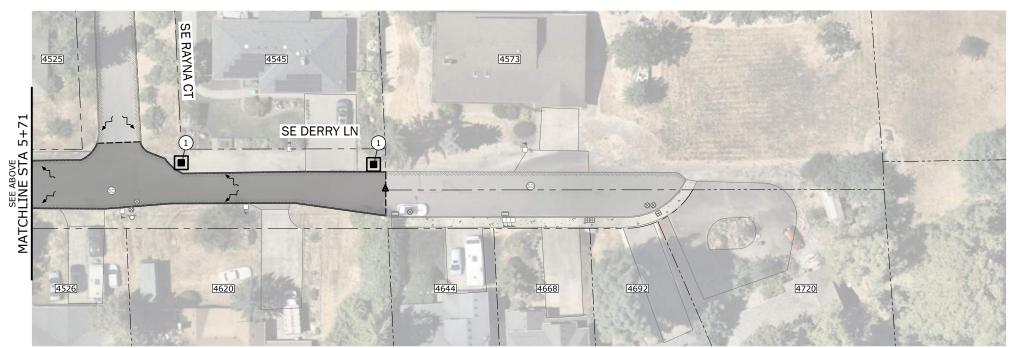




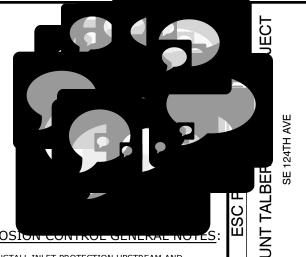
EC-02











1. INSTALL INLET PROTECTION UPSTREAM AND DOWNSTREAM OF CONSTRUCTION AREA, SEE OLWS STD DWG 234 AND 236 ON SHT EC-2.

EROSION CONTROL NOTES:

- 1) INSTALL TYPE 5 INLET PROTECTION, SEE OLWS STD DWG 236 ON SHT EC-2
- 2 INSTALL SEDIMENT FENCE, SEE OLWS STD DWG 212 ON SHT EC-2
- 3 CONSTRUCT CONC WASHOUT STATION DURING CONC CURB RAMP CONSTRUCTION, SEE OLWS STD DWG 222 ON SHT EC-2

LEGEND

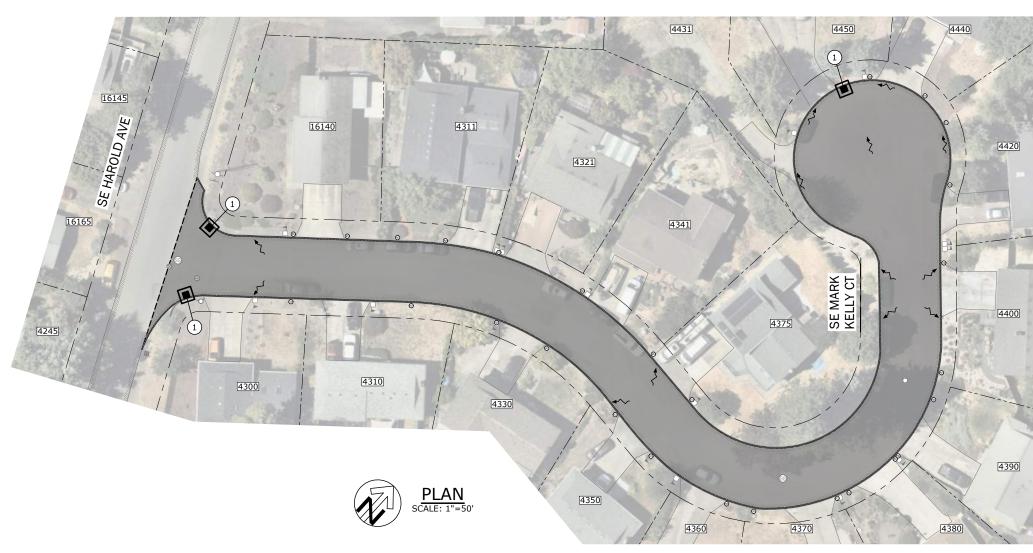


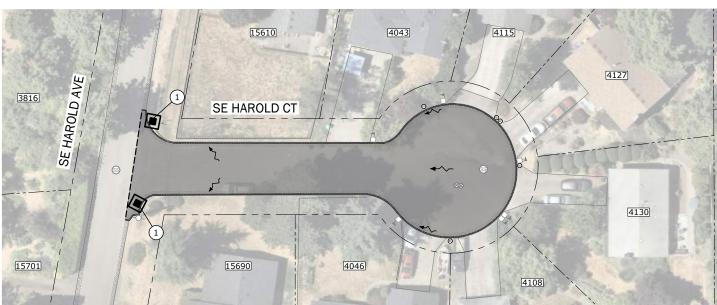






MOUNT TALBER ASPHALT CONCRETE PAVING CONCRETE SIDEWALK INLET PROTECTION REVISIONS EXISTING/PROPOSED DRAINAGE SEDIMENT FENCE consor





PLAN SCALE: 1"=50'



EROSION CONTROL GENERAL NOTES:

1. INSTALL INLET PROTECTION UPSTREAM AND DOWNSTREAM OF CONSTRUCTION AREA, SEE OLWS STD DWG 234 AND 236.

MOUNT TALBERT PAVING PROJECT SE MARK KELLY CT AND SE HAROLD CT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

REVISIONS

NO.

EC-04

ARC
DRAFTED E
DKH
CHECKED E
AHG

EROSION CONTROL NOTES:

1 INSTALL TYPE 5 INLET PROTECTION, SEE OLWSD STD DWG 236

LEGEND



ASPHALT CONCRETE PAVING



INLET PROTECTION



EXISTING/PROPOSED DRAINAGE



	C	or	IS	Of
ONE SW COLUME	BIA STREET, S	UITE 1700		
PORTLAND, ORE	GON 97204			
P 503 225 9010				

TYPICAL SECTION SHOWN (SEE SHEET C-08 THROUGH C-15 FOR LOCATIONS OF VARIATIONS TO SECTION WIDTHS AND DIMENSIONS) TACK FACE OF C/L PROTECT EXIST LEVEL 2, 1/2 INCH DENSE ACP MIXTURE CURB, TYP WITH PG 64-22, 2"-3" THK TAPER INLAY FROM 3" THK TO 2" THK AT CURB MAINTAIN POSITIVE TAPER INLAY FROM 3" EXIST GR DRAINAGE ALONG THK TO 2" THK AT CURB GUTTER FLOW LINE, TYP SLP AS DIR SLP AS DIR MATCH ORIGINAL CURB AND DWY EXPOSURE (WHEN PRESENT), UNLESS OTHERWISE DIRECTED, TYP

90% PLANS OREGON RENEWS 6-30-25

MOUNT TALBERT PAVING PROJECT

KAMAS COUNTY TRANSPORTATION

ARC
DRAFTED
DKH
CHECKED

C-01

REVISIONS

2" DEPTH (SEE NOTE 1, THIS SHT) 2" GRIND AND 3" OVERLAY WITH TAPERED EDGES TYPICAL SECTION: 126TH, SONOMA, & HAROLD CT

COLD PLANE PAVEMENT REMOVAL

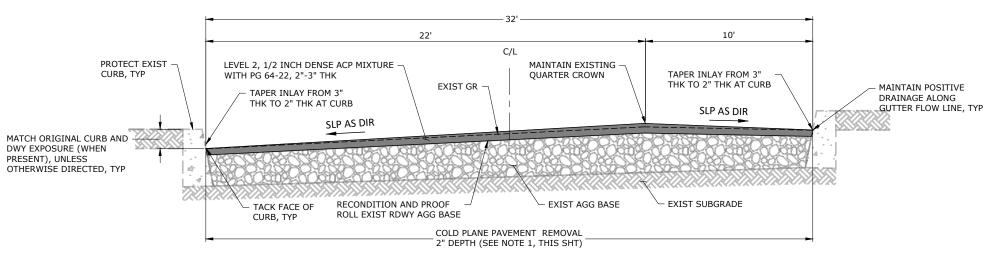
EXIST AGG BASE

- EXIST SUBGRADE

RECONDITION AND PROOF ROLL EXIST RDWY AGG BASE

22' 10' C/L FINISHED GRADE TO PROTECT EXIST MAINTAIN EXISTING MATCH EXIST GRADE CURB, TYP QUARTER CROWN MAINTAIN POSITIVE LEVEL 2, 1/2 INCH DENSE ACP MIXTURE DRAINAGE ALONG WITH PG 64-22, 2" THK GUTTER FLOW LINE, TYP MATCH EXIST SLP MATCH EXIST SLP MATCH ORIGINAL CURB AND DWY EXPOSURE (WHEN PRESENT), UNLESS OTHERWISE DIRECTED, TYP EXIST SUBGRADE RECONDITION AND PROOF EXIST AGG BASE TACK FACE OF ROLL EXIST RDWY AGG BASE COLD PLANE PAVEMENT REMOVAL 2" DEPTH (SEE NOTE 1, THIS SHT)

2" GRIND AND 2" INLAY TYPICAL SECTION: 124TH (STA 1+35 TO 3+90)



2" GRIND AND 3" OVERLAY WITH TAPERED EDGE TYPICAL SECTION: 124TH (STA 4+10 TO 11+65)

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
- 2. 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, ASPHALT CONCRETE PAVEMENT REPAIR, OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-04.
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.

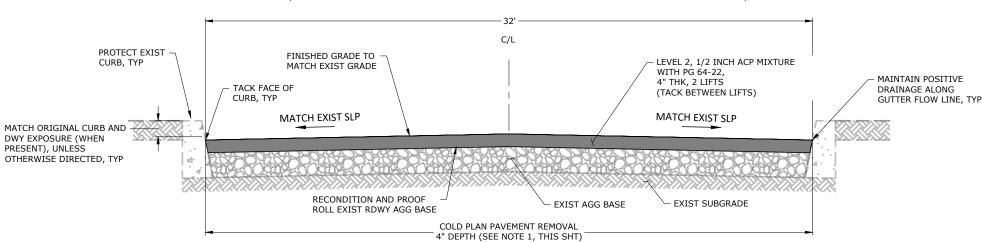


P 503 225 9010

90% DESIGN

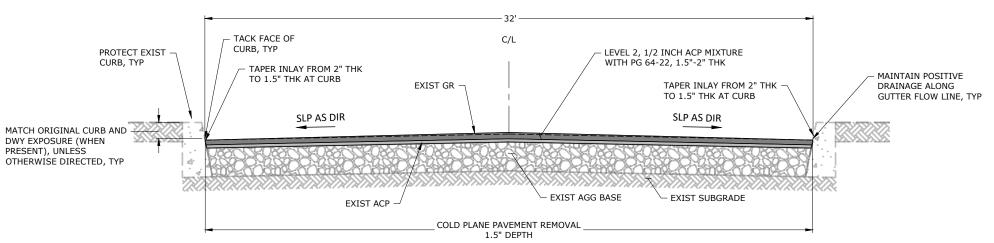
TYPICAL SECTION SHOWN

(SEE SHEET C-08 THROUGH C-15 FOR LOCATIONS OF VARIATIONS TO SECTION WIDTHS AND DIMENSIONS)

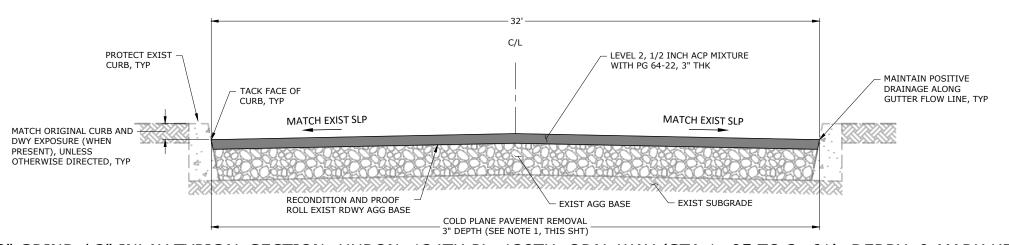


90% PLANS OREGON RENEWS 6-30-25

4" GRIND / 4" INLAY TYPICAL SECTION: 125TH (STA 2+61 TO 8+88) AND OPAL WAY (STA 4+04 TO 5+20)



1.5" GRIND AND 2" OVERLAY WITH TAPERED EDGE TYPICAL SECTION: MATHER



3" GRIND / 3" INLAY TYPICAL SECTION: HURON, 124TH PL, 128TH, OPAL WAY (STA 1+05 TO 2+61), DERRY, & MARK KELLY

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
- 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
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.

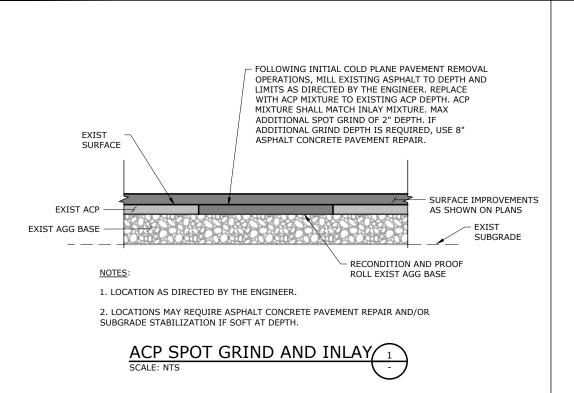


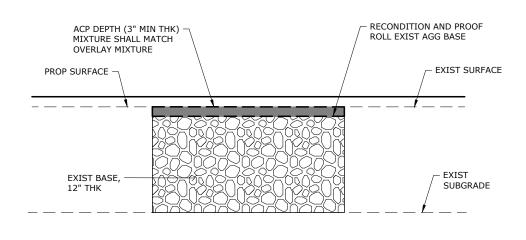
MOUNT TALBERT PAVING PROJECT KAMAS COUNTY TRANSPORTATION DEVELOPN BEAVERCE GON CITY, ARC
DRAFTED
DKH
CHECKED
AHG REVISIONS

C-02

90% DESIGN

EROSION CONTROL PERMIT SET





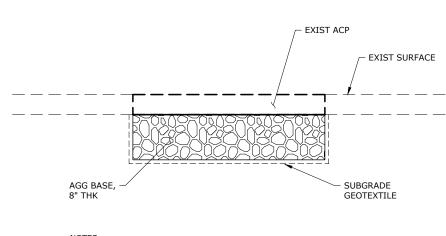
NOTES:

- 1. LOCATION AS DIRECTED BY THE ENGINEER
- 2. LOCATIONS MAY REQUIRE SUBGRADE STABILIZATION IF SOFT AT DEPTH.

3-INCH ASPHALT CONCRETE PAVEMENT REPAIR



90% DESIGN



NOTES:

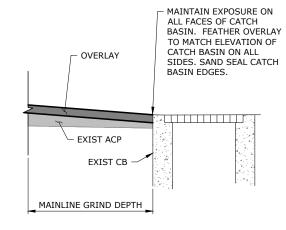
- 1. LOCATION AS DIRECTED BY THE ENGINEER
- 2. LOCATIONS MAY REQUIRE SUBGRADE STABILIZATION IF SOFT AT DEPTH.

8-INCH ASPHALT CONCRETE PAVEMENT REPAIR SCALE: NTS

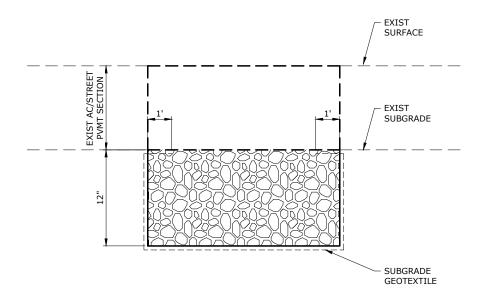


90% PLANS OREGON

RENEWS 6-30-25



CATCH BASIN FEATHER

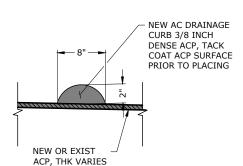


NOTES:

- 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.

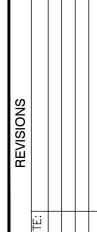
12-INCH SUBGRADE STABILIZATION











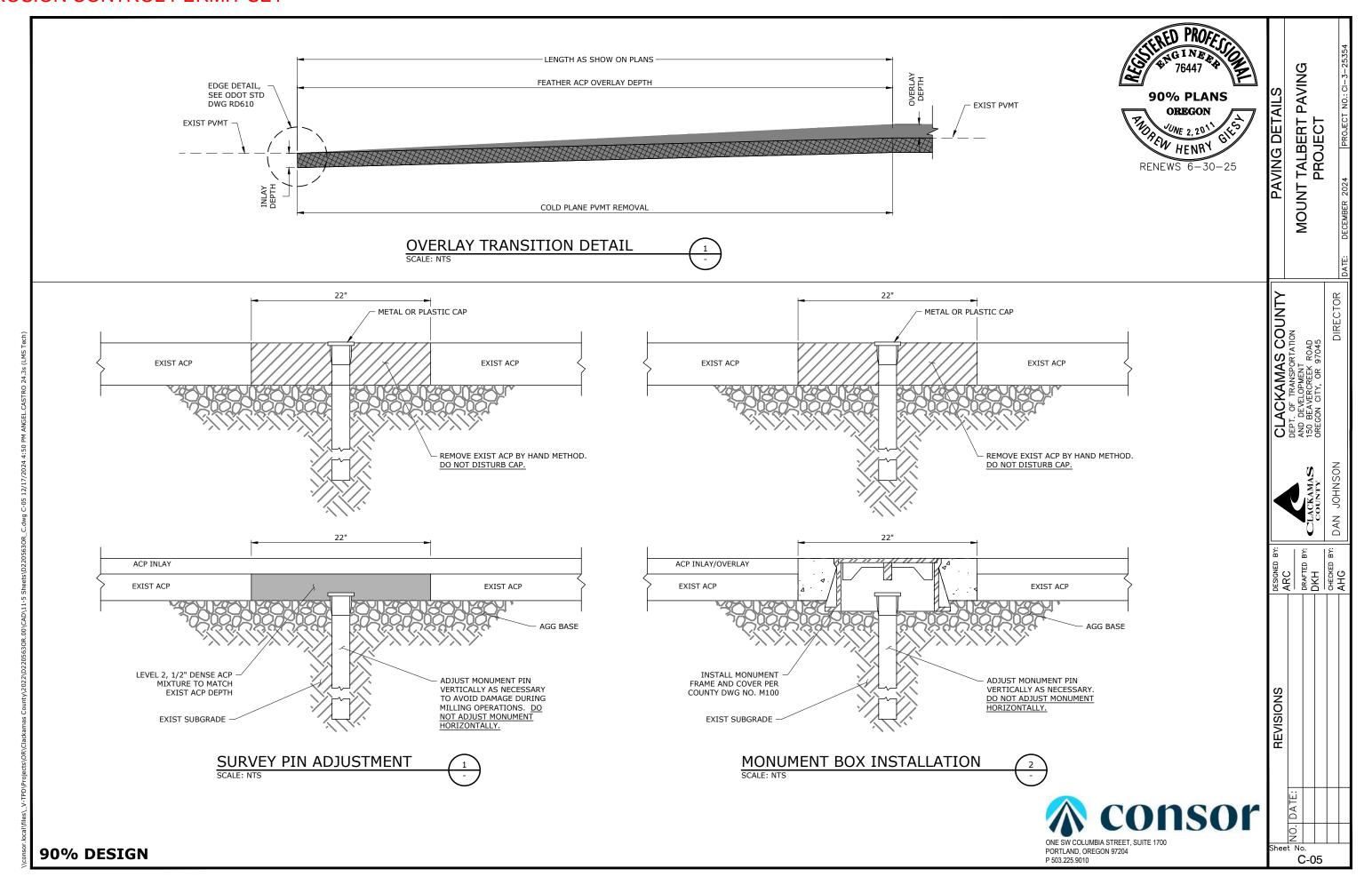
C-04

ARC
ARC
DRAFTED
DRAFTED
CHECKED

MOUNT TALBERT PAVING PROJECT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

EROSION CONTROL PERMIT SET



C-06

SURFACE REMOVAL PAY LIMITS ROADSIDE RESTORATION CURB EXPOSURE (E)= 0" CONSTRUCT 6" WIDE (NOMINAL) STD -CURB OR CURB & GUTTER, TYPE VARIES VERT CURB (GRADE CORRECTION CURB) WHERE SHOWN ON PLANS TRUNCATED DOME SAW CUT DETECTABLE WARNING SLP VARIES, SURFACE, SEE DETAILS SLP AS 2' MIN 2' SEE NOTE 2 DIR 4" CONC S/W SLP AS DIR MAX EXIST GR PAN FINISH GRADE SLOPE AT 1V:4H MAX FOR LANDSCAPING SURFACING. FINISH GRADE SLOPE AT 5% AGGREGATE BASE, MAX FOR HARDSCAPE AGGREGATE BASE, 2" THK (TYP) SURFACING OR MATCH EXIST 14" THK (TYP) SLOPE, WHICHEVER IS GREATER. ACP PLUG TO BE LEVEL 2 ACP MIX 1/2" THK ACP MIX (PG 64-22) 3" TOP LIFT WITH MAINLINE PAVING

- 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

MATCH EXIST THK (6" MAX)

PROVIDE TEMP ACP AS NEEDED FOR

PLACE IN LIFTS 3" MAX

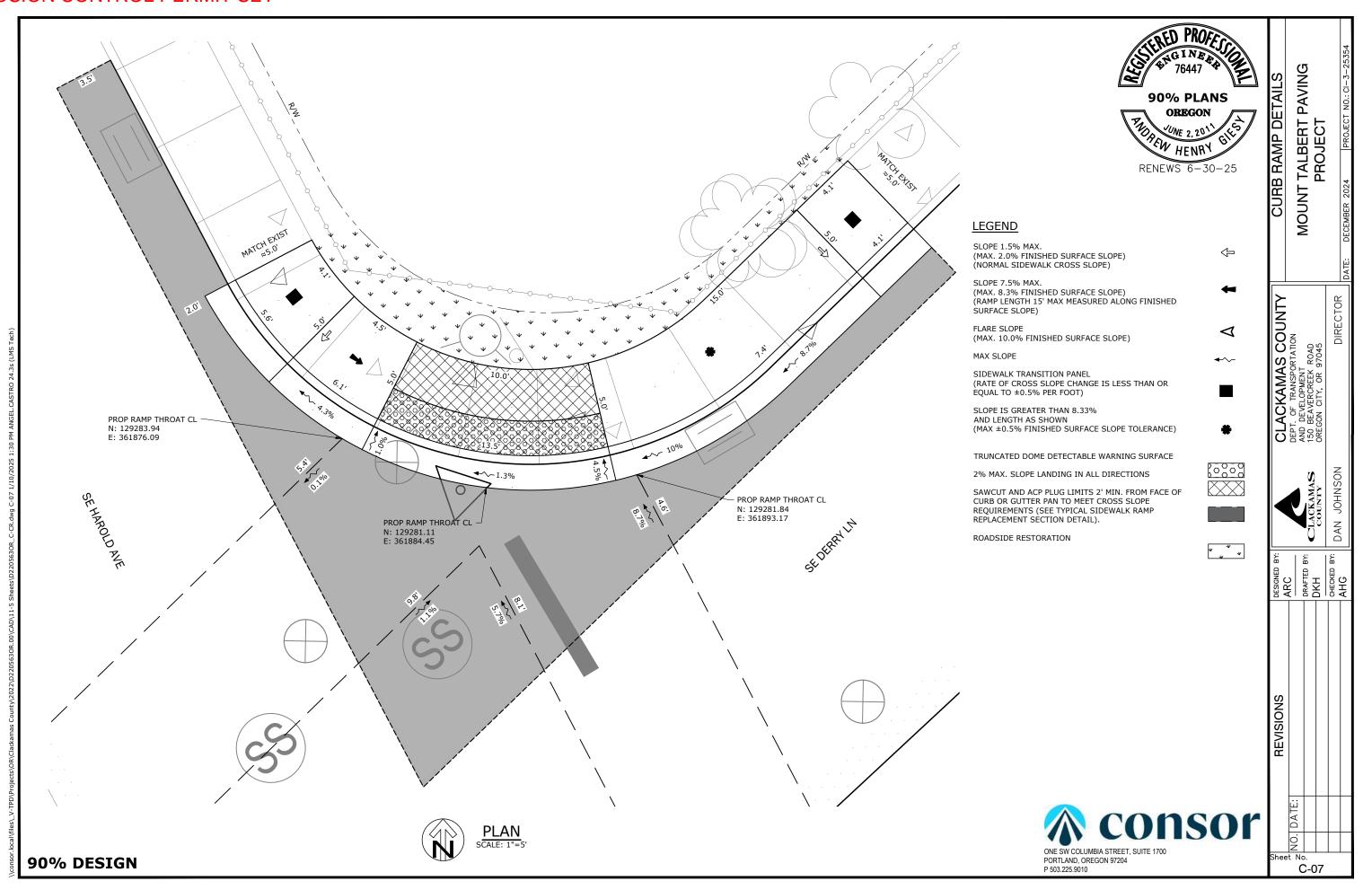
TPARSEE NOTE 5

TYPICAL SIDEWALK RAMP REPLACEMENT SECTION

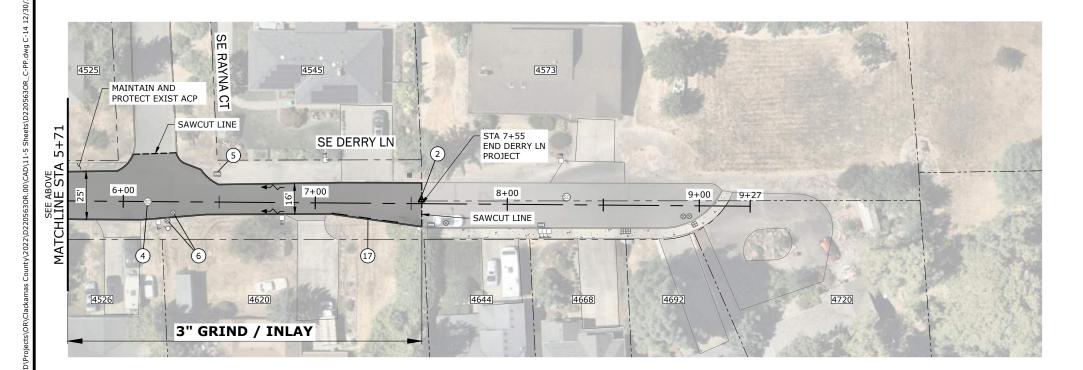
SIDEWALK RAMP GENERAL NOTES:

- 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.

EROSION CONTROL PERMIT SET











CONSTRUCTION NOTES:

- 1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03.
- 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 DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-04 AND C-05.
- 3. FOR EROSION CONTROL PLAN SEE SHEET EC-01 THRU EC-04 FOR WORK WITHIN OLWS JURISDICTION.

PAVEMENT MARKING NOTES:

- 1. INSTALL NEW PAVEMENT MARKINGS AS CALLED OUT WITH X PER ODOT STD DWGS.
- 2. CONTRACTOR SHALL COORDINATE LAYOUT WITH INSPECTOR PRIOR TO PLACEMENT.

KEY NOTES:

- 2) INSTALL MON BOX, SEE DET 2, SHT C-05
- (3) MAINTAIN AND PROTECT EXIST MONUMENT PIN
- (4) MAINTAIN AND PROTECT EXIST MANHOLE
- 5 MAINTAIN AND PROTECT EXIST CATCH BASIN
- 6 MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)
- 7) MAINTAIN AND PROTECT EXIST HYDRANT
- (17) CONSTRUCT AC DRAINAGE CURB, SEE DET 6 ON SHT C-04
- (18) REMOVE AND REBUILD FENCE (COOR'D LIMITS WITH INSPECTOR)
- (19) CONSTRUCT CONC S/W AND CONCRETE RAMP PER DETAIL SHEETS C-06 AND C-07
 - REMOVE EXIST SURFACINGS
 - CONSTRUCT AGG BASE

 - CONSTRUCT CURB AND GUTTER (E=6", PAN=18")
 INSTALL TRUNCATED DOMES (WET SET)
 - CONSTRUCT ACP PLUG
 - RESTORE EXIST ROADSIDE SURFACINGS

PAVEMENT REHABILITATION LEGEND



ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01 TO C-03

P 503 225 9010

GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE

AC DRAINAGE CURB



MOUNT TALBERT PAVING PROJECT SE 124TH AVE CLACKAMAS COUNT
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

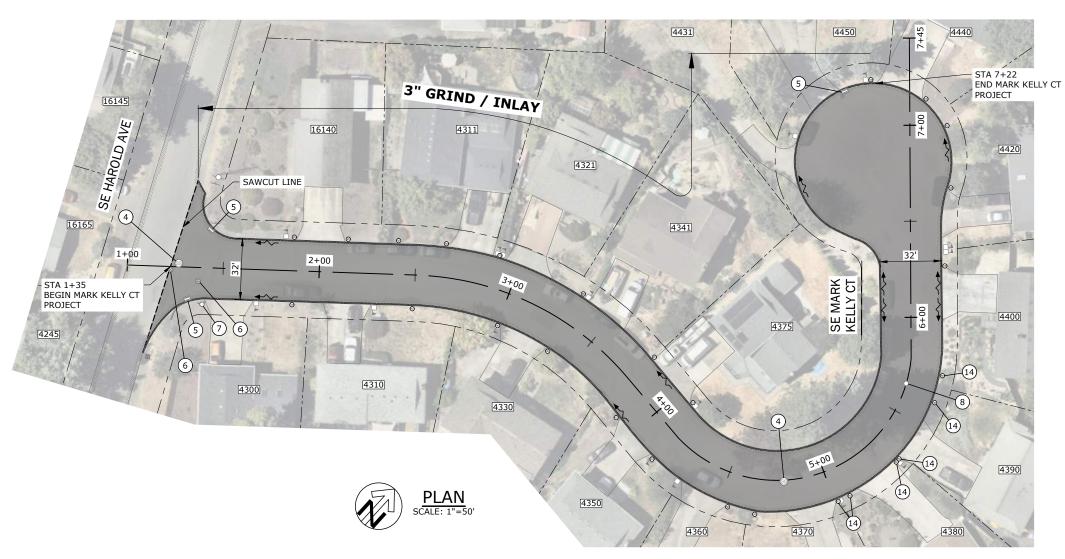
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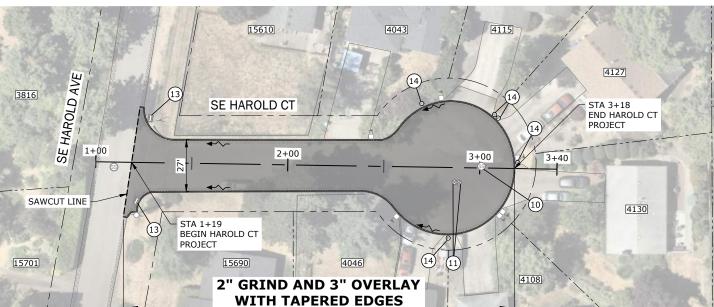
ARC
DRAFTED
DKH
CHECKED
AHG

REVISIONS

C-14

90% DESIGN









CONSTRUCTION NOTES:

- 1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03.
- 2. PRIOR TO PAVEMENT OVERLAY OPERATIONS OR FOLLOWING PAVEMENT REMOVAL OPERATIONS, THE INSPECTOR MAY DIRECT ADDITIONAL RESTORATION AS NECESSARY TO ADDRESS EXISTING PAVEMENT DEFICIENCIES. WORK MAY INCLUDE SPOT GRIND AN INLAY DEPTH, ASPHALT CONCRETE PAVEMENT REPAIOR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-04 AND C-05.

KEY NOTES:

- (4) MAINTAIN AND PROTECT EXIST MANHOLE
- (5) MAINTAIN AND PROTECT EXIST CATCH BASIN
- 6 MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)
- 7) MAINTAIN AND PROTECT EXIST HYDRANT
- (8) MAINTAIN AND PROTECT EXISTING CLEAN OUT TO
- (10) MINOR ADJUSTMENT OF EXIST MANHOLE PAVING RINGS (COOR'D WITH UTILITY)
- 11) ADJUST EXISTING WATER/GAS VALVE BOX TO MATCH FINISH GRADE (COOR'D WITH UTILITY)
- (13) FEATHER ACP OVERLAY AT CATCH BASIN TO MATCH GRADE, SEE DET 5 SHT C-04
- (14) COOR'D W/ PROP OWNER PRIOR TO PAVING OPERATIONS AND/OR DIVERT CONTINUOUS ROOF OUTLET DRAINAGE FLOW AWAY FROM WORK

PAVEMENT REHABILITATION LEGEND



ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01 TO C-03

◆~~

GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



	PAVING PLAN AND NOTES		MOUNI JALBERI PAVING PROJE	SE MARK KELLY CT AND SE HAROLD CT		DATE: DECEMBER 2024 PROJECT NO.: CI-3-2535	
IS ID IR S	CLACKAMAS COUNTY	DEPT. OF TRANSPORTATION	AND DEVELOPMEN 150 BEAVERCREEK ROAD	OREGON CITY, OR 97045	DIRECTOR		
	•		OLACKAMA.S	COUNTY	CHECKED BY: DAN JOHNSON		
	DESIGNED BY:) 	DRAFTED BY:	DKH	CHECKED BY:	AHG	
1D 1	REVISIONS						
		4TE:					

C-15

CT

90% DESIGN

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

PLANS FOR PROPOSED PROJECT

ASPHALT OILING & PAVING, MISCELLANEOUS HIGHWAY APPURTENANCES, AND TEMPORARY TRAFFIC CONTROL

OREGON

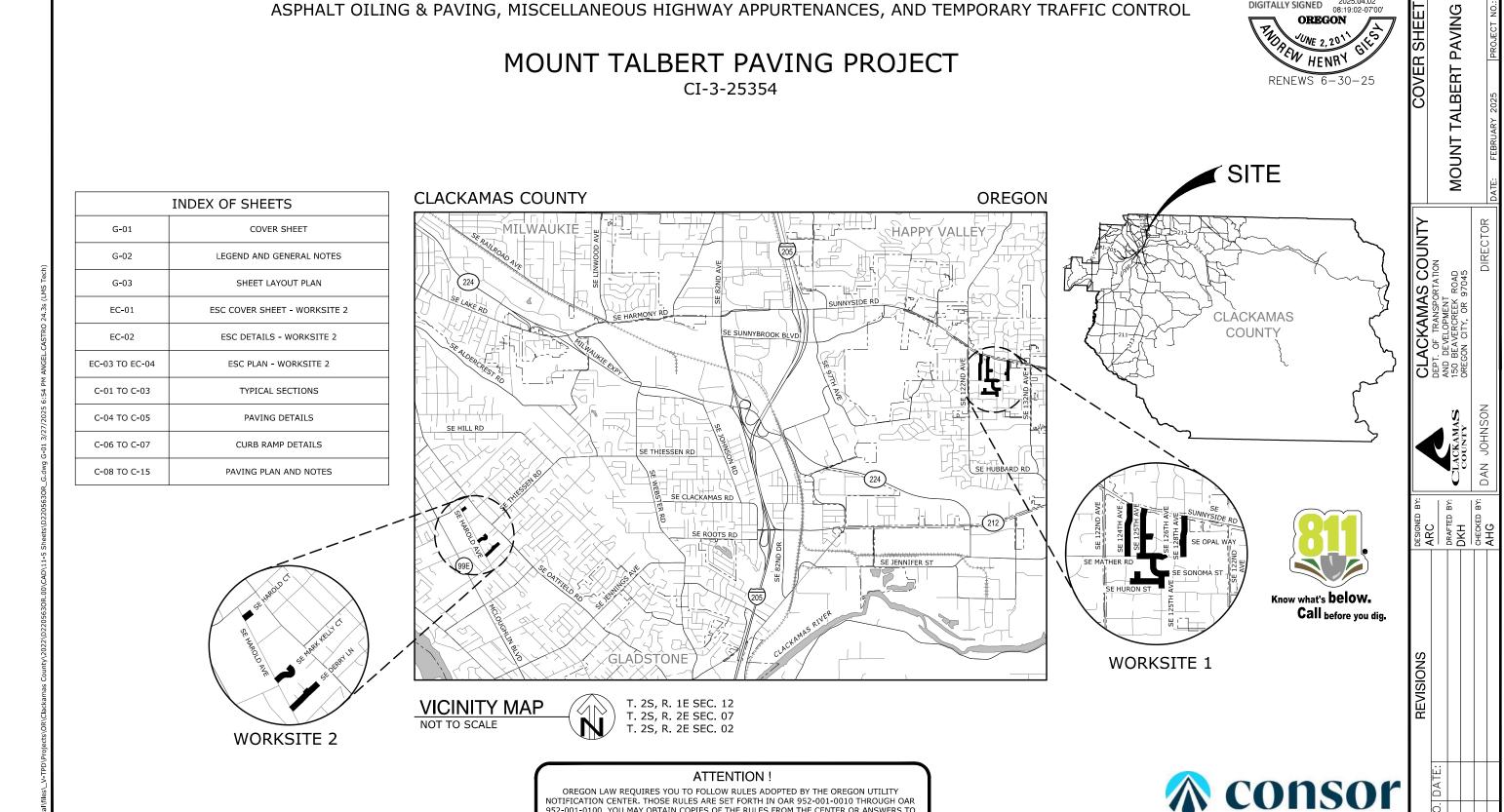
PORTLAND, OREGON 97204

PROJECT

G-01

MOUNT TALBERT PAVING PROJECT

CI-3-25354



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.

GENERAL NOTES:

INSTALL TEN SETS (2 SIGNS PER SET) TEMPORARY PROJECT SIGNS PRIOR TO COMMENCING WITH WORK, MOUNT ROAD FUND SIGNS TO SINGLE TEMPORARY SIGN SUPPORT, MOUNT PROJECT NOTIFICATION SIGNS TO SINGLE TEMPORARY SIGN SUPPORTS PER ODOT STD DWG TM821 OR TM822. INSTALL AT LOCATIONS SHOWN ON SHEET G-03. 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:

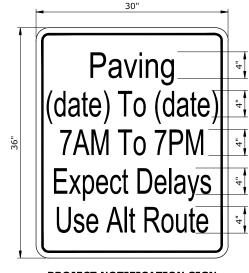
ALL LINE-WORK SHOWN RELATING PROPERTY BOUNDARY TO SCAN DATA IS FOR GRAPHICAL REPRESENTATION ONLY, ANY APPARENT DISCREPANCIES BETWEEN SAID DATA WILL REQUIRE FIELD VERIFICATION THROUGH A PROPER RIGHT-OF-WAY

SURFACING REMOVAL, GRADING AND PAVING NOTES:

- WHERE PAVEMENT IS TO BE REPLACED TO MATCH EXISTING GRADE AT THE ROADWAY CROWN AND ADJACENT TO THE EXISTING CURB, 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 GRADING PRIOR TO PAVING.
- WHERE AGGREGATE BASE IS EXPOSED FROM GRINDING OR REPAIR OPERATIONS AND PRIOR TO PAVING, RECONDITION AND PREPARE THE EXISTING AGGREGATE BASE
- PRIOR TO ASPHALT OVERLAY OR 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 ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. CONTRACTOR SHALL SHOW APPROPRIATE TIME AND RESOURCES IN THE PROJECT SCHEDULE TO COMPLETE THIS WORK.

YOUR **COMMUNITY ROAD FUND** AT WORK **CLACKAMAS** COUNTY

COMMUNITY ROAD FUND SIGN



PROJECT NOTIFICATION SIGN

TRAFFIC CONTROL/PHASING 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.
- 2. CONTRACTOR SHALL PHASE AND COORDINATE CONSTRUCTION TO MINIMIZE DELAYS AND IMPACTS TO PUBLIC TRAFFIC, PUBLIC SERVICES (GARBAGE, MAIL,
- LOCAL ROADS WITHIN WORK ZONES MAY BE CLOSED TO THRU TRAFFIC DURING WORK HOURS BUT SHALL REMAIN ACCESSIBLE TO RESIDENTS. BUSINESSES AND SERVICE AT ALL TIMES DO NOT CLOSE SE 124TH AND SE 125TH SIMULTANEOUSLY. CONTRACTOR SHALL PHASE THE WORK SO 2-WAY TRAFFIC IS MAINTAINED OUTSIDE
- 4. 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 SERVICED, AND
- 6. MAINTAIN PEDESTRIAN ACCESS WITHIN CONSTRUCTION LIMITS.

ODOT STANDARD DRAWINGS (EFFECTIVE DATE 12/1/2024-5/31/2025):

 RD360 	• RD922	• TM681	• TM844
• RD376	• RD1010	• TM687	• TM850
• RD610	• TM200	• TM800	
• RD615	• TM201	• TM820	
• RD700	TM503	• TM821	
• RD720	TM530	• TM822	
 RD900 	• TM671	• TM840	
• RD901	TM676	• TM841	

NOTES:

COUNTY STANDARD DRAWINGS

OLWS STANDARD DRAWINGS

• NO 212	 NO 234
• NO 222	• NO 236
NO 224	

PILOT CAI

PILOT CAR SIGN

- 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.

ARREVIATIONS

ADDR	EVIATIONS	
AC	ASPHALTIC CONCRETE	
ACP	ASPHALTIC CONCRETE PAVEMENT	
ADJ	ADJACENT	
AGG	AGGREGATE	
APPRX	APPROXIMATE	
C/L	CENTERLINE	
CI	CAST IRON	
CIP	CAST IN PLACE	
CONC	CONCRETE	
COOR'D	COORDINATE	
DET	DETAIL	
DIR	DIRECTED	
DWG	DRAWING	
DWY	DRIVEWAY	
EOP	EDGE OF PAVEMENT	
EXIST		R/W
GR	GROUND/GRADE	REQ'D
HORIZ	HORIZONTAL	RDWY
LOC	LOCATION	S/W
MAX	MAXIMUM	SD
MIN	MINIMUM	SHT
MIX	MIXTURE	STA
MUTCD	MANUAL ON LINIFORM TRAFFIC CONTROL DEVICES	STD

STD MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NORM NORMAL TEMP OREGON DEPARTMENT OF TRANSPORTATION ODOT THK OAK LODGE WATER SERVICES TYP OLWS POINT OF CURVE PROP **PROPERTY** WES **PVMT** PAVEMENT SLP



PROJEC-

TALBERT PAVING

MOUNT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
AND DEVERCREEK ROAD
ORGON CITY OR ATTACK

END

DIGITALLY SIGNED



RIGHT-OF-WAY REQUIRED ROADWAY SIDEWALK STORM DRAIN SHEET STATION STANDARD TEMPORARY THICK/THICKNESS TYPICAL

WATER ENVIRONMENTAL SERVICES

TOPOGRAPHIC LEGEND

ASPHALT DRAINAGE CURB

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	A
EXISTING PAVERS	
EXISTING GRAVEL	
EXISTING MANHOLE	\bigcirc \bigcirc \bigcirc
EXISTING CLEAN-OUT	0
EXISTING CATCH BASIN/FIELD INLET	
EXISTING ROOF DRAIN	®
EXISTING VALVE	\otimes
EXISTING FIRE HYDRANT	۵
EXISTING WATER METER	=
EXISTING MAIL BOX	3
EXISTING BENCHMARK OR MONUMENT	*
EXISTING SURVEY MONUMENT	\triangle
EXISTING COMMUNICATIONS RISER	
EXISTING UTILITY POLE/STREET LIGHT	ф Ж
EXISTING UTILITY POLE GUY WIRE	\leftarrow
EXISTING LIGHT	*
EXISTING UTILITY PULL BOX	-0-
PROPOSED SAWCUT	

REVISIONS

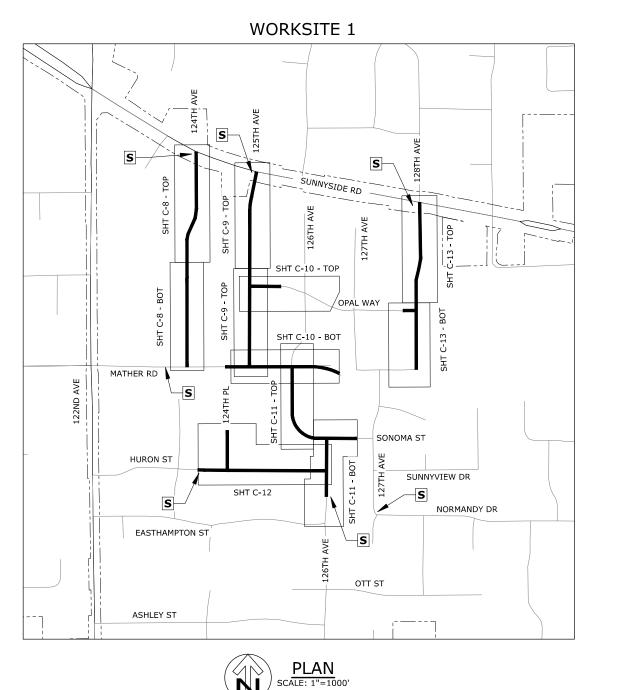
G-02

ARC
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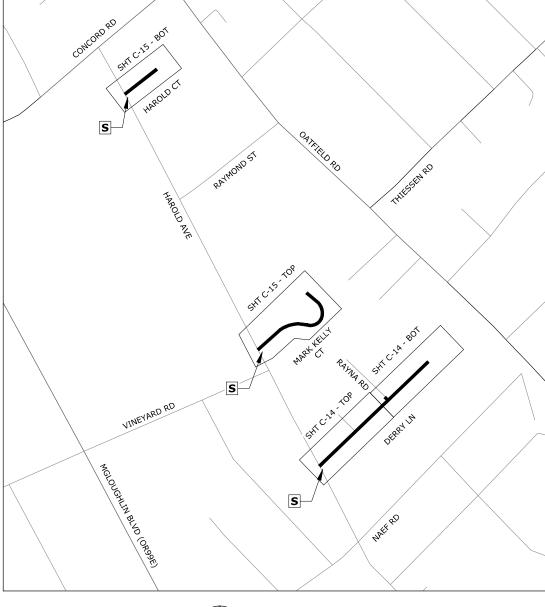
ONE SW COLUMBIA STREET, SUITE 1700 PORTLAND, OREGON 97204 P 503 225 9010

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.
- CONTRACTOR'S APPROVED SCHEDULE TO DETERMINE DATES ON PROJECT NOTIFICATION SIGN.













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MOUNT TALBERT PAVING PROJECT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

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REVISIONS

Sheet No. **G-03**

INDEX OF SHEETS			
EC-01	ESC COVER SHEET - WORKSITE 2		
EC-02	ESC DETAILS - WORKSITE 2		
EC-03 TO EC-04	ESC PLAN - WORKSITE 2		

PHONE:

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RENEWS 6-30-25

DEVELOPER

CONTACT

PHONE:

CLACKAMAS COUNTY DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT JON SPARKS

150 BEAVERCREEK RD OREGON CITY, OR 97045 (503)964-4522

ADDRESS: ONE SW COLUMBIA ST,

ENGINEERING FIRM

SUITE 1700 PORTLAND, OR 97204 (503)225-9010

NARRATIVE DESCRIPTIONS

EXISTING SITE CONDITIONS
THE EXISTING PROJECT SITE CONDITIONS CONSISTS OF ASPHALT PAVEMENT ADJACENT TO MULTIPLE RESIDENTIAL TAX LOTS. TREES AND OTHER VEGETATION ARE PRESENT NEAR ROADWAY.

DEVELOPED CONDITIONS
PROJECT IMPROVEMENTS INCLUDE ASPHALT GRINDING, ASPHALT OVERLAY, AND CURB RAMP RETROFIT WORK.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

- * CLEARING * MASS GRADING * UTILITY INSTALLATION
- (NONE ANTICIPATED) (NONE ANTICIPATED) (JUNE 16, 2025)
- * CURB RAMP RETROFIT * PAVING CONSTRUCTION
- TOTAL SITE AREA = 45,000 SF = 1.03 ACRES

TOTAL DISTURBED AREA = 0 SF = 0 ACRES

- ALOHA STLT LOAM 3 TO 6 PERCENT SLOPES 91B - WOODBURN SILT LOAM, 3 TO 8 PERCENT SLOPES 91C - WOODBURN SILT LOAM, 3 TO 8 PERCENT SLOPES
- ON-SITE SOILS HAVE A MODERATE TO HIGH EROSION POTENTIAL. NO FILL MATERIAL IS

RECEIVING WATER BODIES:

NEAREST WATER BODY: WILLAMETTE RIVER AND TRIBUTARIES

PROJECT LOCATION:

CLACKAMAS COUNTY, OREGON LATITUDE = 45°24'22.14"

PROPERTY DESCRIPTION:

THREE COUNTY ROADWAYS LOCATED IN THE OATFIELD NEIGHBORHOOD.

*HOLD A PRE-CONSTRUCTION MEETING OF PROJECT CONSTRUCTION PERSONAL THAT INCLUDES THE INSPECTOR TO DISCUSES EROSION CONTROL MEASURES AND CONSTRUCTION LIMITS.

*ALL INSPECTIONS MUST BE MADE IN ACCORDANCE WITH OLWSD 1200-CN PERMIT REQUIREMENTS.

*INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH OLWSD 1200-CN PERMIT REQUIREMENTS

*RETAIN A COPY OF THE ESC PLANS AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO OLWSD, AGENT, OR THE LOCAL AGENCY, DURING INACTIVE PERIODS OF GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS, RETAIN THE ESC PLANS AT THE CONSTRUCTION SITE OR AT ANOTHER LOCATION.

RATIONALE STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS. INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS, AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

INITIAL <u>AHG</u>

OAK LODGE WATER SERVICES DISTRICT EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

- 1. WHENEVER RATNEAU AND RUNOFF OCCUR. A KNOWLEDGEABLE AND EXPERIENCED PERSON IN THE PRINCIPLES. PRACTICES, INSTALLATION, AND MAINTENANCE OF EROSION AND SEDIMENT CONTROLS MUST PROVIDE DAILY INSPECTIONS OF BOTH THE CONTROLS AND PLACES WHERE WATER FLOWS OUT OF THE SITE. THIS PERSON SHALL WORKS FOR THE PERMITTEE.
- 2. CONSTRUCTION ACTIVITIES MUST AVOID OR MINIMIZE EXCAVATION AND CREATION OF BARE GROUND DURING THE WET WEATHER PERIOD, BETWEEN OCTOBER 1 AND MAY 31. ALL EXPOSED SOILS MUST BE COVERED AT END OF BUSINESS DAY DURING THE WET WEATHER PERIOD.
- 3. DURING THE WET WEATHER PERIOD, TEMPORARY STABILIZATION OF THE SITE MUST OCCUR AT THE END OF EACH WORKDAY.
- 4. SEDIMENT CONTROLS MUST BE INSTALLED AND MAINTAINED ON ALL DOWNHILL SIDES OF THE CONSTRUCTION SITE AT ALL TIMES DURING CONSTRUCTION. THEY MUST REMAIN IN PLACE UNTIL PERMANENT VEGETATION OR OTHER PERMANENT COVERING OF EXPOSED SOIL IS ESTABLISHED.
- ALL INLETS MUST HAVE SEDIMENT CONTROLS INSTALLED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION
- 6. SIGNIFICANT AMOUNTS OF SEDIMENT THAT LEAVES THE SITE MUST BE CLEANED UP WITHIN 24 HOURS AND FITHER PLACED BACK ON THE SITE AND STABILIZED OR DISPOSED OF PROPERLY. THE CAUSE OF THE SEDIMENT RELEASE MUST BE FOUND AND PREVENTED FROM CAUSING A RECURRENCE OF EROSION DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN UP OF SEDIMENT SHALL BE PREFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIME FRAME.
- 7. SEDIMENT MUST NOT BE INTENTIONALLY WASHED INTO STORM SEWERS, DRAINAGE WAYS, OR WATER BODIES
- 8. SEDIMENT MUST BE REMOVED FROM BEHIND ALL SEDIMENT CONTROL MEASURES WHEN IT HAS REACHED A HEIGHT OF ONE THIRD THE BARRIER HEIGHT AND PRIOR TO THE CONTROL MEASURE'S REMOVAL
- 9. ALL STRUCTURES WITH SUMPS MUST BE CLEANED WHEN THE SEDIMENT RETENTION CAPACITY HAS REACHED 50% AND ALSO AT COMPLETION OF THE
- 10. ANY USE OF TOXIC OR OTHER HAZARDOUS MATERIALS MUST INCLUDE PROPER STORAGE, APPLICATION, AND DISPOSAL.
- 11. THE PERMITTEE MUST PROPERLY MANAGE HAZARDOUS WASTES, OILS, CONTAMINATED SOILS, CONCRETE WASTE, SANITARY WASTE, LIQUID WASTE,
- 12. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS. NUTRIENT RELEASES FROM FERTILIZERS TO SURFACE WATERS MUST BE MINIMIZED. TIME RELEASE FERTILIZERS SHOULD BE USED AND CARE SHOULD BE MADE IN APPLICATION OF FERTILIZERS WITHIN THE RIPERIAN ZONE OF ANY WATERWAY.
- 13. OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH CURRENT DISTRICT STANDARDS AND COUNTY, STATE, AND FEDERAL REGULATIONS
- 14. PRIOR TO ANY LAND DISTURBING ACTIVITIES, THE BOUNDARIES OF THE CLEARING LIMITS, VEGETATED BUFFERS, AND ANY SENSITIVE AREAS SHOWN ON THIS PLAN SHALL BE CLEARLY DELINEATED IN THE FIELD. UNLESS OTHERWISE APPROVED, NO DISTURBANCE IS PERMITTED BEYOND THE CLEARING LIMITS. THE OWNER/PERMITTEE MUST MAINTAIN THE DELINEATION FOR THE DURATION OF THE PROJECT. NOTE: VEGETATED CORRIDORS MUST BE DELINEATED WITH ORANGE CONSTRUCTION FENCE OR APPROVED EQUAL.
- 15. PRIOR TO ANY LAND DISTURBING ACTIVITIES. THE MINIMUM CONTROL MEASURES THAT MUST BE INSTALLED ARE GRAVEL CONSTRUCTION ENTRANCE PERIMETER SEDIMENT CONTROL, AND INLET PROTECTION WHERE INLETS ARE PRESENT. AS SOON AS LAND DISTURBING ACTIVITIES START, SOIL PILES MUST BE PROPERLY COVERED. ALL THESE MEASURES MUST BE MAINTAINED FOR THE DURATION OF THE PROJECT.
- 16. IF VEGETATIVE SEED MIXES ARE SPECIFIED, SEEDING MUST TAKE PLACE BEFORE SEPTEMBER 1
- 17. WATERTIGHT TRUCKS MUST BE USED TO TRANSPORT SATURATED SOILS FROM THE CONSTRUCTION SITE. AN APPROVED EQUIVALENT IS TO DRAIN THE SOIL ON SITE AT A DESIGNATED LOCATION USING APPROPRIATE BMPS; SOIL MUST BE DRAINED SUFFICIENTLY FOR MINIMÂL SPILLAGE.
- 18. ALL PUMPING OF SEDIMENT LADEN WATER MUST BE DISCHARGED OVER AN UNDISTURBED VEGETATED AREA, AND THROUGH A SEDIMENT CONTROL
- 19. THE EROSION AND SEDIMENT CONTROL PLAN MUST BE KEPT ONSITE. ALL MEASURES SHOWN ON THE PLAN MUST BE INSTALLED PROPERLY TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER A SURFACE WATER SYSTEM, ROADWAY, OR OTHER PROPERTIES.
- 20. WRITTEN EROSION AND SEDIMENT CONTROL LOGS ARE SUGGESTED TO BE MAINTAINED ONSITE AND AVAILABLE TO DISTRICT INSPECTORS UPON 21. THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED TO MAINTAIN COMPLIANCE WITH ALL REGULATIONS.
- 22. IN AREAS SUBJECT TO WIND EROSION, APPROPRIATE BMPS MUST BE USED, WHICH MAY INCLUDE THE APPLICATION OF FINE WATER SPRAYING, PLASTIC SHEETING, MULCHING, OR OTHER APPROVED MEASURES

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEO GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S.

	1	MASS	UTILITY	STREET	FINAL	WET WEATHER
	CLEARING	GRADING	INSTALLATION	CONSTRUCTION	STABILIZATION	(OCT. 1 - MAY 31ST
EROSION PREVENTION	•					
PRESERVE NATURAL VEGETATION				Х	Х	
GROUND COVER						
HYDRAULIC APPLICATIONS						
PLASTIC SHEETING						
MATTING						
DUST CONTROL				Х	Х	
TEMPORARY/ PERMANENT SEEDING					Х	
BUFFER ZONE				Х	Х	
OTHER:						
SEDIMENT CONTROL						
SEDIMENT FENCE (PERIMETER)				X		
SEDIMENT FENCE (INTERIOR)						
STRAW WATTLES						
FILTER BERM						
INLET PROTECTION				**X		
DEWATERING						
SEDIMENT TRAP						
NATURAL BUFFER ENCROACHMENT						
OTHER:						
RUN OFF CONTROL	•					
CONSTRUCTION ENTRANCE				**X		
PIPE SLOPE DRAIN						
OUTLET PROTECTION						
SURFACE ROUGHENING						
CHECK DAMS						
OTHER:						
POLLUTION PREVENTION						
PROPER SIGNAGE				X		
HAZ WASTE MGMT				Х		
SPILL KIT ON-SITE				X		
CONCRETE WASHOUT AREA				X		

- SIGNIFIES ADDITIONAL BMP'S REQUIRED FOR WORK WITHIN 50' OF WATER OF THE STATE.
- ** SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

INSPECTION FREQUENCY:

	SITE CONDITION	MINIMUM FREQUENCY
1.	ACTIVE PERIOD	WEEKLY WHEN STORMWATER RUNOFF, INCLUDING RUNOFF FROM SNOW MELT, IS OCCURRING. AT LEAST ONCE EVERY MONTH, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2.	PRIOR TO THE SITE BECOMING INACTIVE OR IN ANTICIPATION OF SITE INACCESSIBILITY.	ONCE TO ENDURE THAT EROSION AND SEDIMENT CONTROL MEASURES ARE IN WORKING ORDER. ANY NECESSARY MAINTENANCE AND REPAIR MUST BE MADE PRIOR TO LEAVING THE SITE.
3.	INACTIVE PERIODS GREATER THAN SEVEN (7) CONSECUTIVE CALENDAR DAYS.	ONCE EVERY TWO (2) WEEKS.
4.	PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WETHER.	IF PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT AND ACCESSIBLE DISCHARGE POINT OR DOWNSTREAM LOCATION.
5.	PERIODS DURING WHICH DISCHARGE IS UNLIKELY DUE TO FROZEN CONDITIONS.	MONTHLY. RESUME MONITORING IMMEDIATELY UPON MELT, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200-CA PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-CA PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200-CA PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

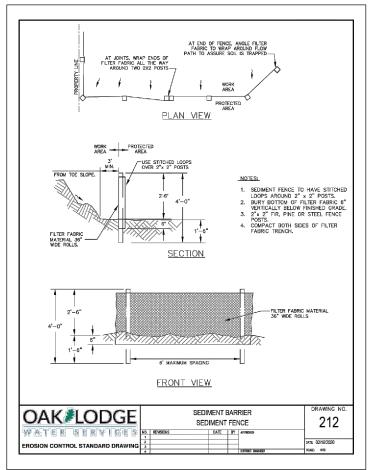
PERMITTEE'S SITE INSPECTOR: JON SPARKS
COMPANY/AGENCY: CLACKAMAS COUNTY
PHONE: (503)964-4522
FAX:
E-MAIL: JSparks@clackamas.us
DESCRIPTION OF EXPERIENCE: EXPERIENCE MANAGING CONTRACT PAVING PROJECTS
FOR THE COUNTY INCLUDING THE IMPLEMENTATION AND INSPECTION OF ESC PLANS.



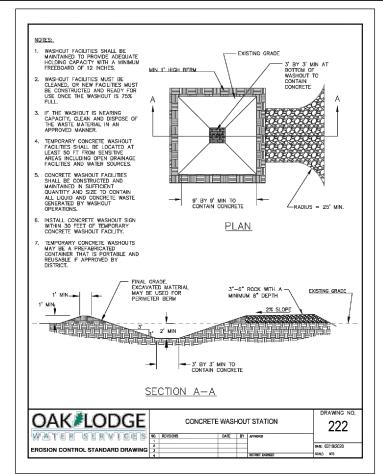
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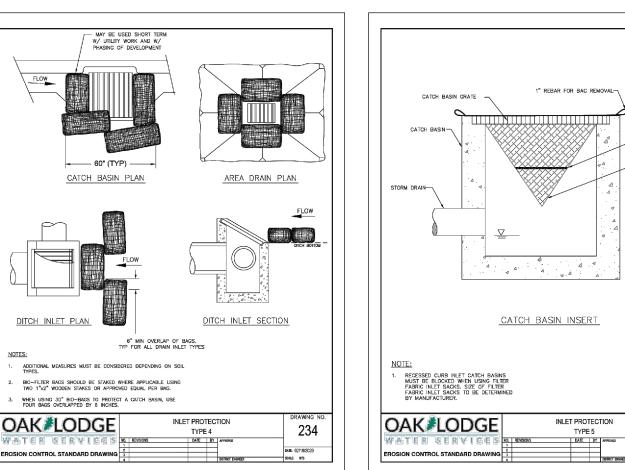


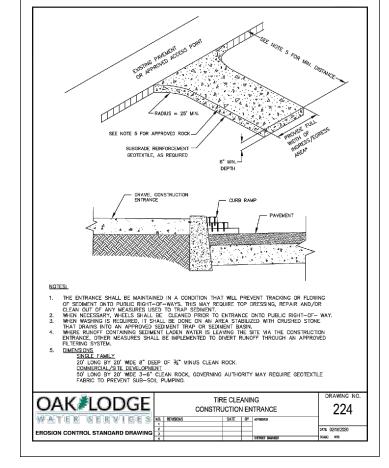
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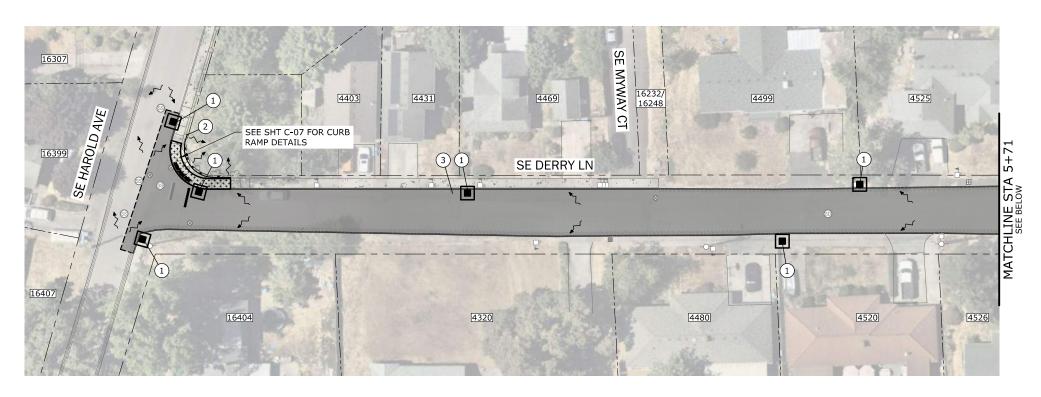
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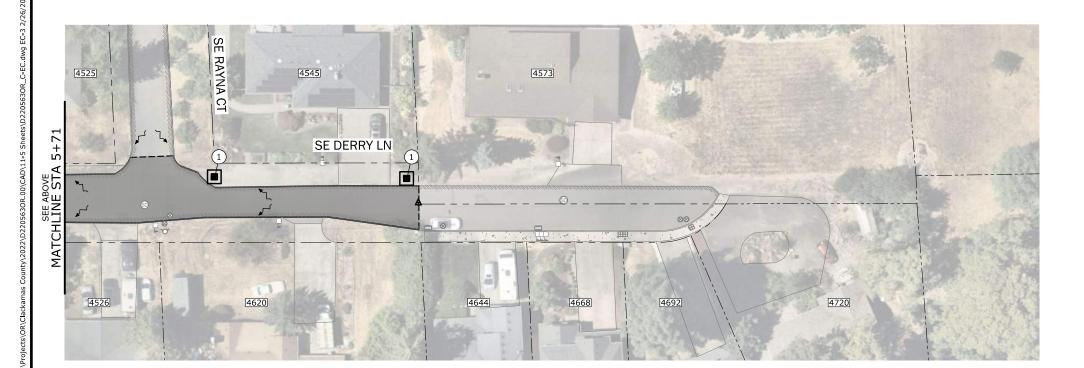
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OREGON

EROSION CONTROL GENERAL NOTES

- 1. INSTALL INLET PROTECTION UPSTREAM AND DOWNSTREAM OF CONSTRUCTION AREA, SEE OLWS STD DWG 234 AND 236 ON SHT EC-2.
- 2. WASH CONCRETE TRUCKS AND EQUIPMENT INTO A TEMPORARY PREFABRICATED CONCRETE WASHOUT CONTAINER. PLACE WASHOUT CONTAINER WITHIN THE PARKING STRIP ON SE DERRY LANE AND PROTECT WITH TEMPORARY TRAFFIC CONTROL DEVICES.

EROSION CONTROL NOTES:

- 1 INSTALL TYPE 5 INLET PROTECTION, SEE OLWS STD DWG 236 ON SHT EC-2
- 2 INSTALL SEDIMENT FENCE, SEE OLWS STD DWG 212 ON SHT EC-2
- 3 INSTALL PREFABRICATED CONC WASHOUT STATION DURING CONC CURB RAMP CONSTRUCTION, SEE OLWS STD DWG 222 ON SHT EC-2

LEGEND

ASPHALT CONCRETE PAVING



CONCRETE SIDEWALK

INLET PROTECTION



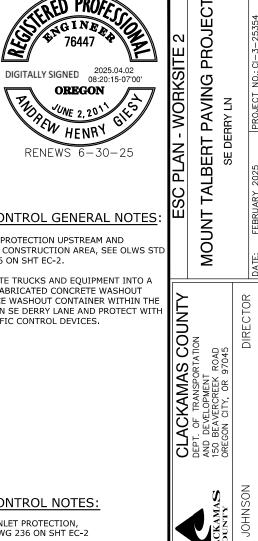


EXISTING/PROPOSED DRAINAGE



SEDIMENT FENCE

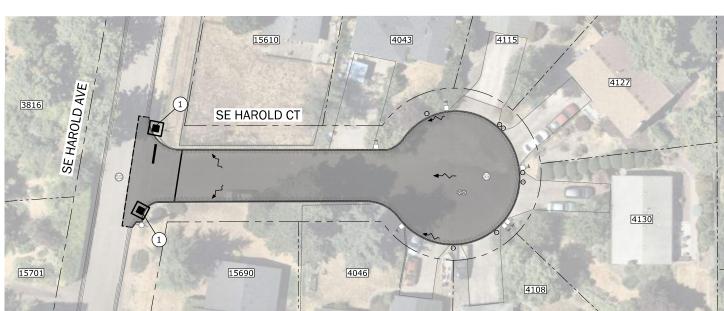
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EC-03









EROSION CONTROL GENERAL NOTES:

1. INSTALL INLET PROTECTION UPSTREAM AND DOWNSTREAM OF CONSTRUCTION AREA, SEE OLWS STD DWG 234 AND 236 ON SHT EC-2.

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

MOUNT TALBERT PAVING PROJECT

SE MARK KELLY CT AND SE HAROLD CT

DESIGNED BY: ARC	DRAFTED BY:	снескер вт: АНG

REVISIONS

EC-04

EROSION CONTROL NOTES:

INSTALL TYPE 5 INLET PROTECTION,
 SEE OLWSD STD DWG 236 ON SHT EC-2

LEGEND



ASPHALT CONCRETE PAVING



INLET PROTECTION



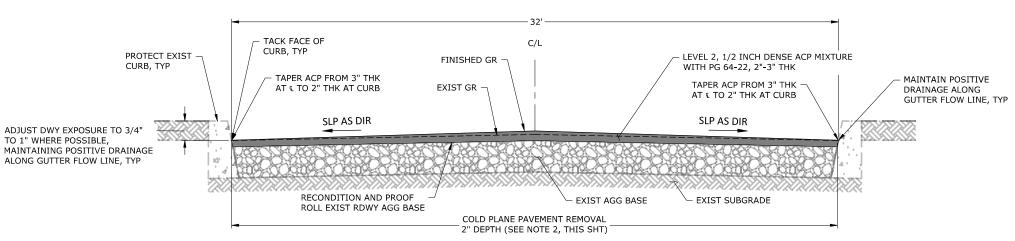
EXISTING/PROPOSED DRAINAGE



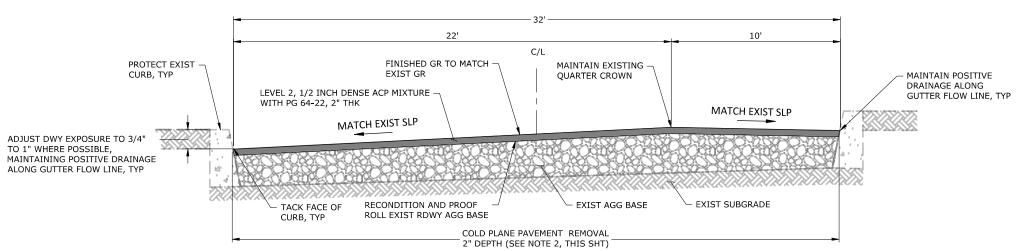
ONE SW COLUMBIA STREET, SUITE 1700 PORTLAND, OREGON 97204 P 503.225.9010

TYPICAL SECTION SHOWN

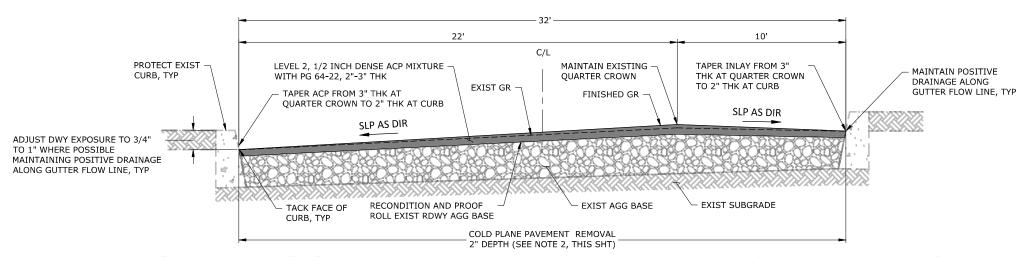
(SEE SHEET C-08 THROUGH C-15 FOR LOCATIONS OF VARIATIONS TO SECTION WIDTHS AND DIMENSIONS)



2" GRIND AND 3"-2" TAPERED OVERLAY TYPICAL SECTION: 126TH AVE, SONOMA ST, & HAROLD CT



2" GRIND AND 2" INLAY TYPICAL SECTION: 124TH AVE (STA 1+35 TO 3+40)



2" GRIND AND 3"-2" TAPERED OVERLAY TYPICAL SECTION: 124TH AVE (STA 3+65 TO 11+85)



- PRIOR TO CONSTRUCTION SCHEDULE PRE-PAVE WALK THROUGH WITH COUNTY.
- 2. 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-04.
- 3. 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, ASPHALT CONCRETE PAVEMENT REPAIR, OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-04.
- GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE OR CREATE POSITIVE DRAINAGE AS NEEDED.



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OREGON

OREGON

RENEWS 6-30-25

TYPICAL SECTIONS
MOUNT TALBERT PAVING
PROJECT

KAMAS COUNTY
TRANSPORTATION
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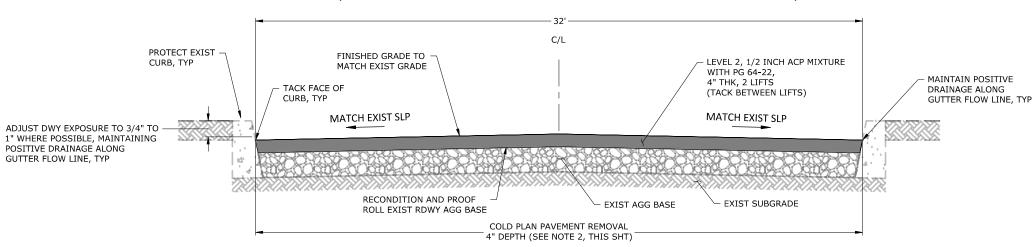
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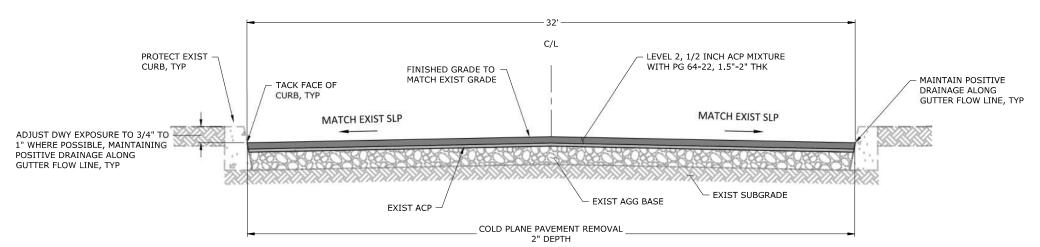
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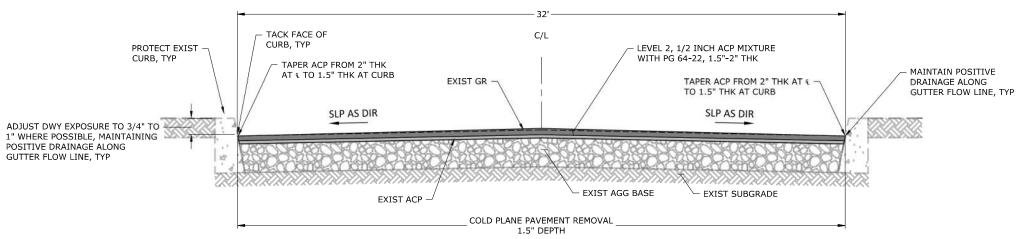
(SEE SHEET C-08 THROUGH C-15 FOR LOCATIONS OF VARIATIONS TO SECTION WIDTHS AND DIMENSIONS)



4" GRIND / 4" INLAY TYPICAL SECTION: 125TH AVE (STA 1+35 TO 10+49) AND OPAL WAY (STA 1+05 TO 2+49)



2" GRIND / 2" INLAY TYPICAL SECTION: 125TH AVE (STA 10+49 TO 10+74) AND MATHER DR (STA 1+39 TO 2+13)



1.5" GRIND AND 2"-1.5" TAPERED OVERLAY TYPICAL SECTION: MATHER DR



- PRIOR TO CONSTRUCTION SCHEDULE PRE-PAVE WALK THROUGH WITH COUNTY.
- 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-04.
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TYPICAL SECTIONS
MOUNT TALBERT PAVING
PROJECT

CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

COUNTY OF

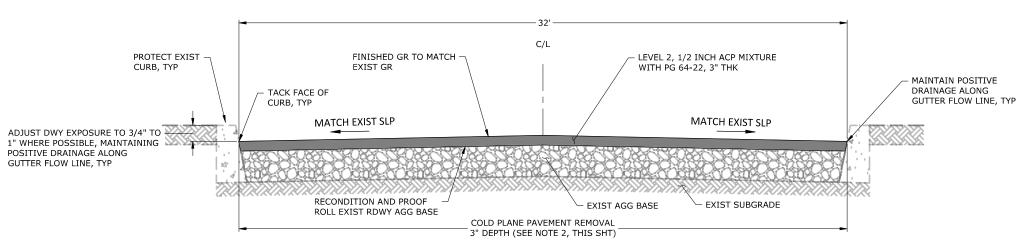
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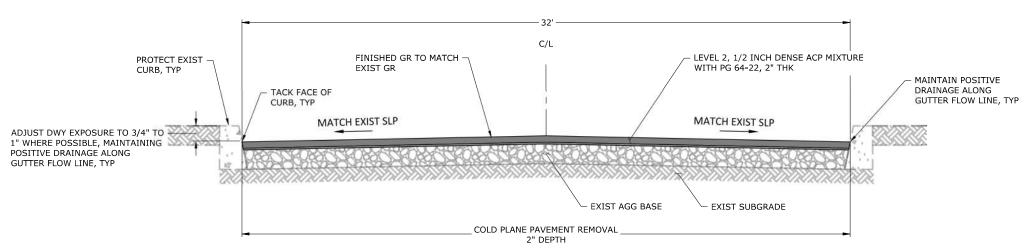
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TYPICAL SECTION SHOWN

(SEE SHEET C-08 THROUGH C-15 FOR LOCATIONS OF VARIATIONS TO SECTION WIDTHS AND DIMENSIONS)



3" GRIND / 3" INLAY TYPICAL SECTION: HURON ST, 124TH PL, 128TH AVE (STA 2+61 TO 8+88), OPAL WAY (STA 4+04 TO 5+20), DERRY LN, & MARK KELLY CT



2" GRIND / 2" INLAY TYPICAL SECTION: 128TH AVE (STA 1+21 TO 2+32)



MOUNT TALBERT PAVING PROJECT

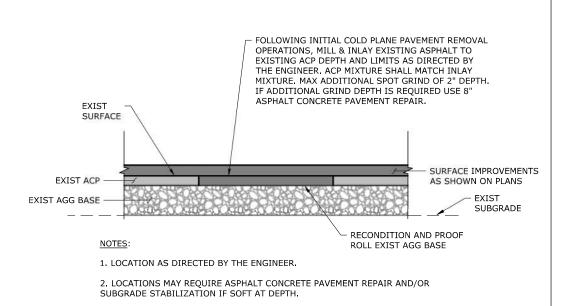
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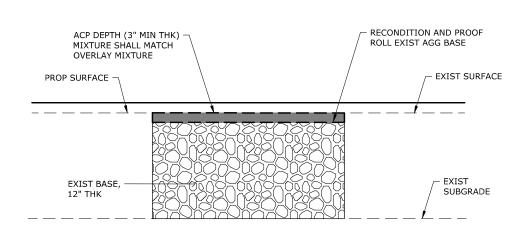
NOTES:

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- 2. 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
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- GRADE ASPHALT OR BASE SECTION TO MAINTAIN/CREATE POSITIVE DRAINAGE.



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ACP SPOT GRIND AND INLAY 1

NOTES:

- 1. LOCATION AS DIRECTED BY THE ENGINEER.
- 2. LOCATIONS MAY REQUIRE SUBGRADE STABILIZATION IF SOFT AT DEPTH.

3-INCH ASPHALT CONCRETE PAVEMENT REPAIR



- EXIST ACP - EXIST SURFACE AGG BASE SUBGRADE 8" THK GEOTEXTILE

NOTES:

- 1. LOCATION AS DIRECTED BY THE ENGINEER.
- 2. LOCATIONS MAY REQUIRE SUBGRADE STABILIZATION IF SOFT AT DEPTH.

8-INCH ASPHALT CONCRETE PAVEMENT REPAIR SCALE: NTS

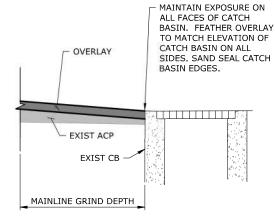




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CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY. OR 97045

MOUNT TALBERT PAVING PROJECT

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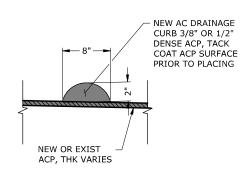
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REVISIONS

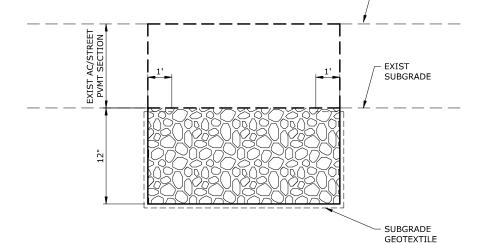
AC DRAINAGE CURB



PORTLAND, OREGON 97204 P 503.225.9010





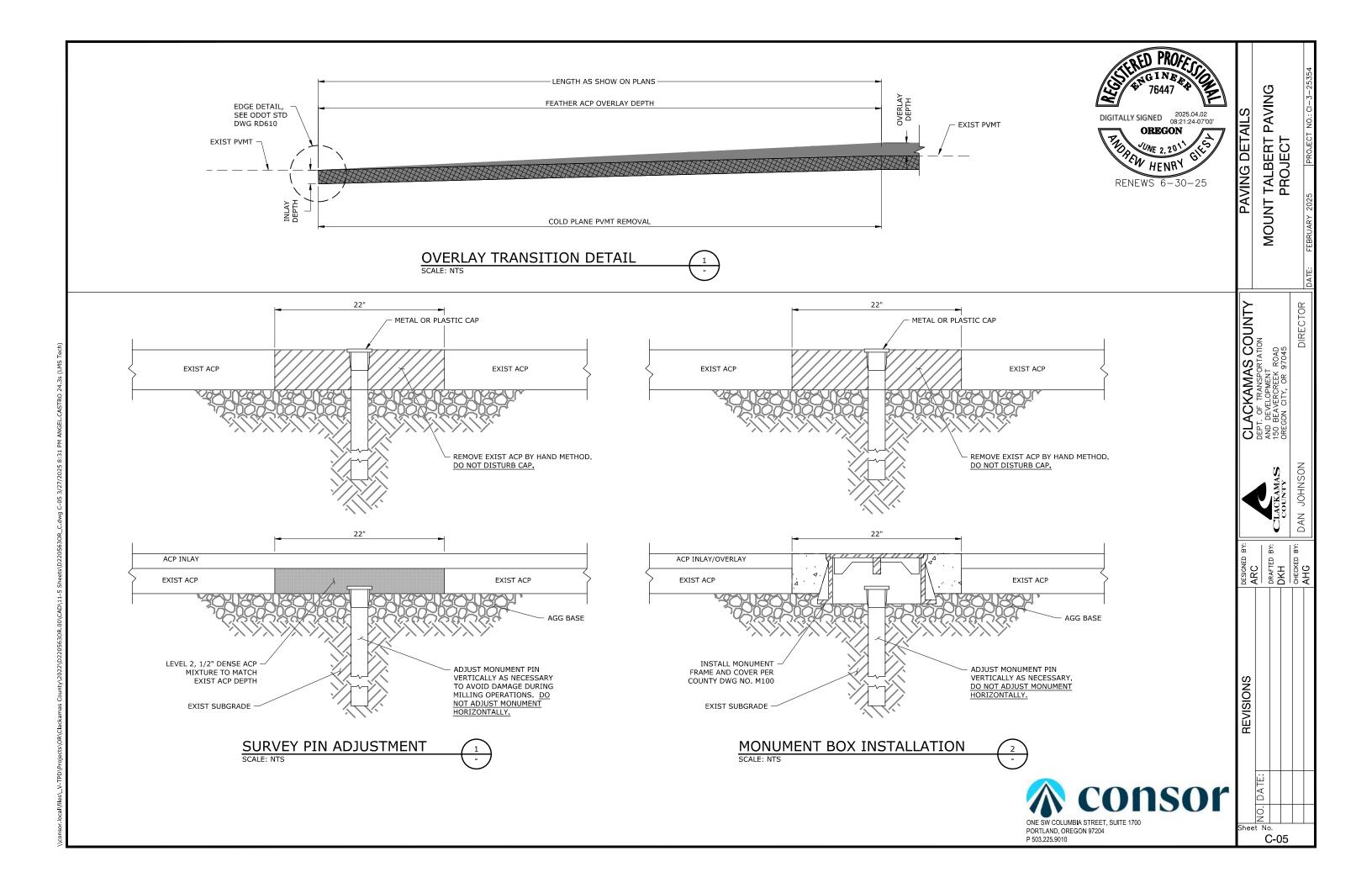


NOTES:

- 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

EXIST SURFACE



PAVING MOUNT TALBERT PROJECT CURB

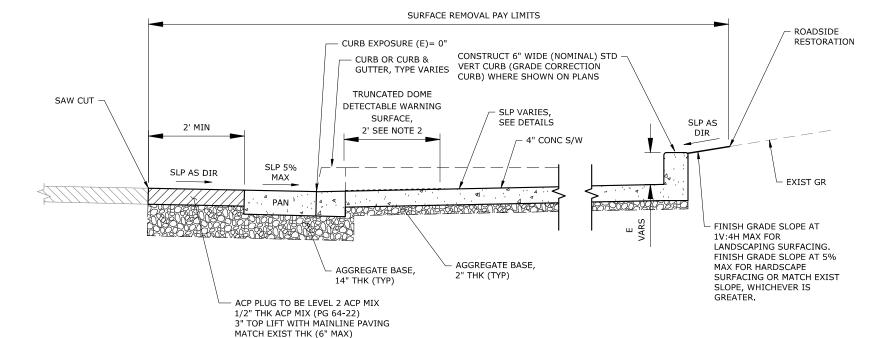
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NOTES:

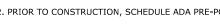
- 1. TOOLED JOINTS ARE REQUIRED AT ALL SIDEWALK RAMP SLOPE BREAK LINES.
- 2. PLACE TRUNCATED DOME DETECTABLE WARNING SURFACE IN THE LOWER 2 FEET ADJACENT TO TRAFFIC OF THROAT OF RAMP ONLY, UNLESS OTHERWISE SHOWN.

PLACE IN LIFTS 3" MAX

TPAR SEE NOTE 5

PROVIDE TEMP ACP AS NEEDED FOR

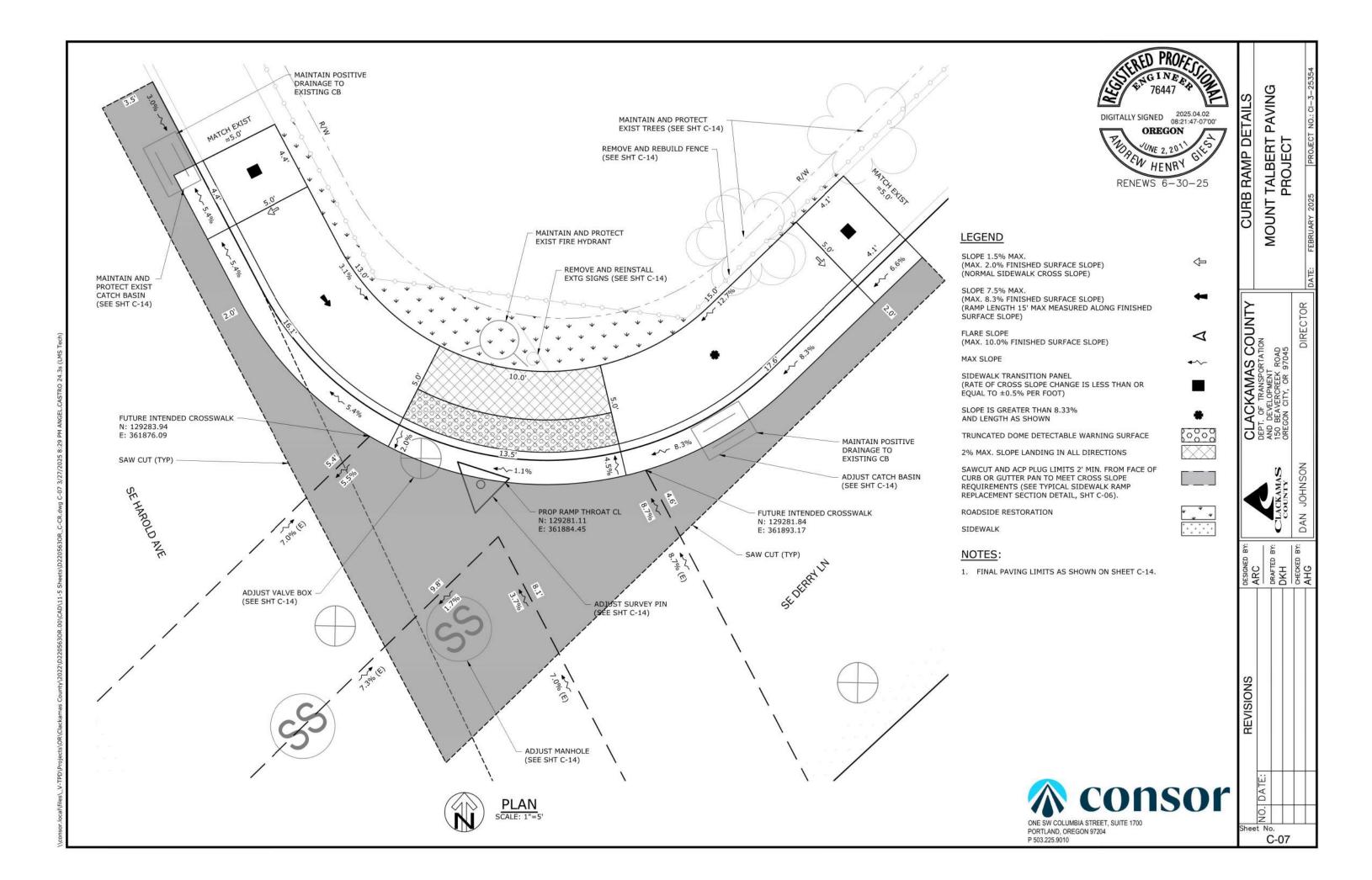
TYPICAL SIDEWALK RAMP REPLACEMENT SECTION

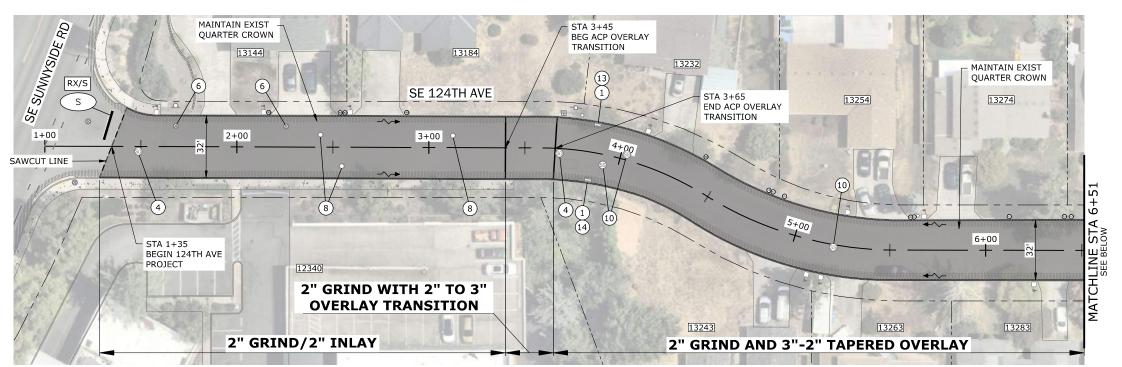


SIDEWALK RAMP GENERAL NOTES:

- 1. CONTRACTOR SHALL PROVIDE TEMPORARY PEDESTRIAN ACCESSIBLE ROUTE DURING CONSTRUCTION OF SIDEWALK RAMP, PROVIDE TEMPORARY SIDEWALK RAMP AS NEEDED, SEE ODOT STD DWG TM844
- 2. PRIOR TO CONSTRUCTION, SCHEDULE ADA PRE-POUR WALK THROUGH WITH COUNTY
- 3. 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.
- 4. REFERENCE ODOT STANDARD DRAWINGS RD700, RD720, RD721. FOR ADDITIONAL INFORMATION.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. COORDINATE UTILITY RELOCATIONS AND/OR ADJUSTMENTS AS NEEDED. SEE SPECIFICATIONS FOR UTILITY CONTACT INFORMATION.
- 9. 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.
- 10. 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.
- 11. 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
- 12. 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.















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RENEWS 6-30-25

CONSTRUCTION NOTES:

- 1. PRIOR TO CONSTRUCTION, SCHEDULE PRE-PAVE WALK THROUGH WITH COUNTY
- 2. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03.
- 3. 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 DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-04 AND C-05.

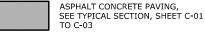
PAVEMENT MARKING NOTES:

- 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.

KEY NOTES:

- INSTALL TYPE 3 INLET PROTECTION, SEE ODOT STD DWG RD1010
- (4) MAINTAIN AND PROTECT EXIST MANHOLE
- (6) MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)
- (8) MAINTAIN AND PROTECT EXISTING CLEAN OUT
- (10) MINOR ADJUSTMENT OF EXIST MANHOLE PAVING RINGS (COOR'D WITH UTILITY)
- (12) ADJUST EXISTING WATER/GAS VALVE BOX TO MATCH FINISH GRADE (COOR'D WITH UTILITY)
- (13) ADJUST EXISTING CLEAN OUT TO MATCH FINISH GRADE (COOR'D WITH UTILITY)
- (14) FEATHER ACP OVERLAY AT CATCH BASIN TO MATCH GRADE, SEE DET 5 SHT C-04

PAVEMENT REHABILITATION LEGEND



GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



P 503 225 9010

REMOVE LOW SPOT AND PROVIDE POSITIVE DRAINAGE



 \Box **PROJE**(MOUNT TALBERT PAVING SE 124TH AVE

COUNT

CLACKAMAS (DEPT. OF TRANSPORTATION DEVELOPMENT 150 BEAVERCREEK ROA OREGON CITY, OR 9704

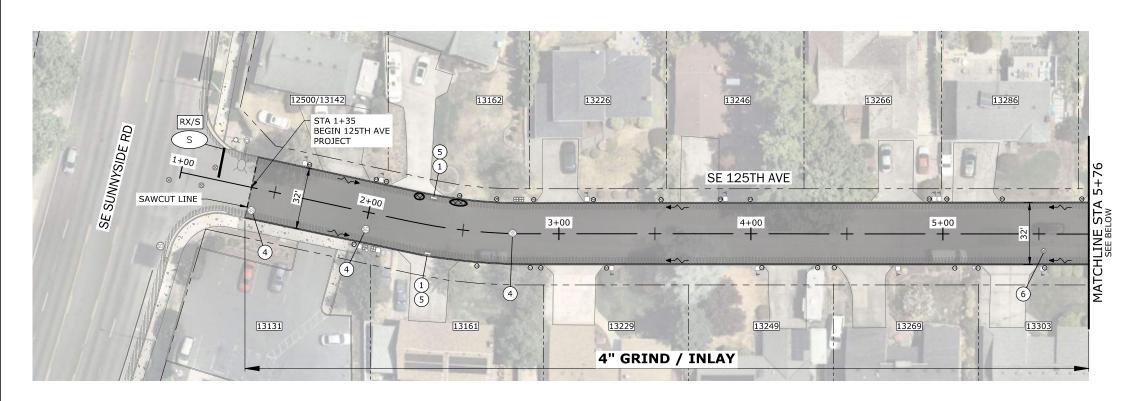
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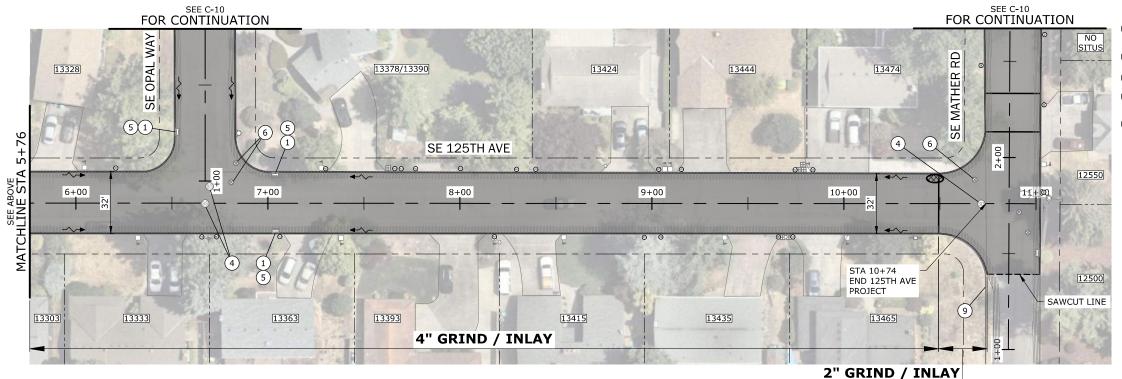
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RENEWS 6-30-25

CONSTRUCTION NOTES:

- 1. PRIOR TO CONSTRUCTION, SCHEDULE PRE-PAVE WALK THROUGH WITH COUNTY
- 2. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03.
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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.

KEY NOTES:

- INSTALL TYPE 3 INLET PROTECTION, SEE ODOT STD DWG RD1010
- (4) MAINTAIN AND PROTECT EXIST MANHOLE
- (5) MAINTAIN AND PROTECT EXIST CATCH BASIN
- (6) MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)
- 9 MAINTAIN AND PROTECT EXIST WALL

PAVEMENT REHABILITATION LEGEND



ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01 TO C-03



GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



REMOVE LOW SPOT AND PROVIDE POSITIVE DRAINAGE



PORTLAND, OREGON 97204 P 503 225 9010

PROJECT MOUNT TALBERT PAVING SE 125TH AVE

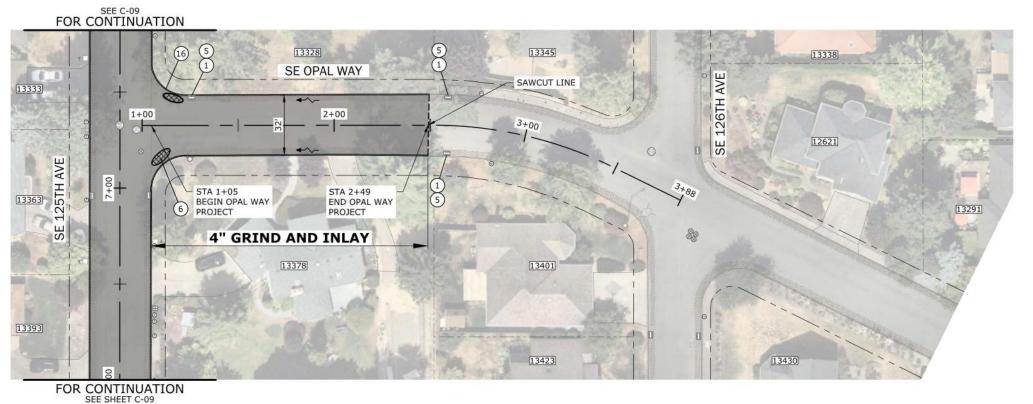
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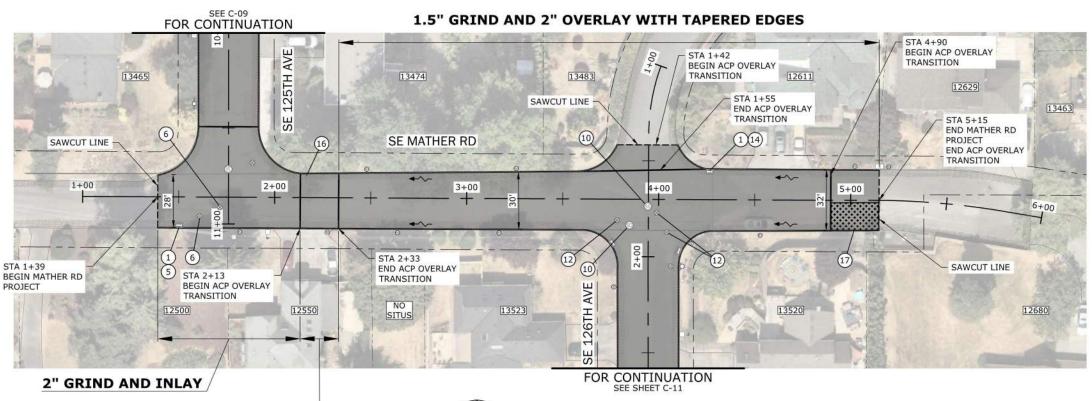
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PLAN

SCALE: 1"=50



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CONSTRUCTION NOTES:

- 1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03.
- 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 DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-04 AND C-05.

KEY NOTES:

- INSTALL TYPE 3 INLET PROTECTION,
 SEE ODOT STD DWG RD1010
- (5) MAINTAIN AND PROTECT EXIST CATCH BASIN
- 6 MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)
- minor adjustment of exist manhole paving rings (coor'd with utility)
- (12) ADJUST EXISTING WATER/GAS VALVE BOX TO MATCH FINISH GRADE (COOR'D WITH UTILITY)
- (14) FEATHER ACP OVERLAY AT CATCH BASIN TO MATCH GRADE, SEE DET 5 SHT C-04
- PROTECT EXISTING TREE ROOTS (COOR'D WITH COUNTY ARBORIST)
- 3" ACP REPAIR, SEE DET 2 SHT C-04

PAVEMENT REHABILITATION LEGEND



ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01 TO C-03



APPROXIMATE PAVEMENT RESTORATION AREA



P 503 225 9010

GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



REMOVE LOW SPOT AND PROVIDE POSITIVE DRAINAGE



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CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

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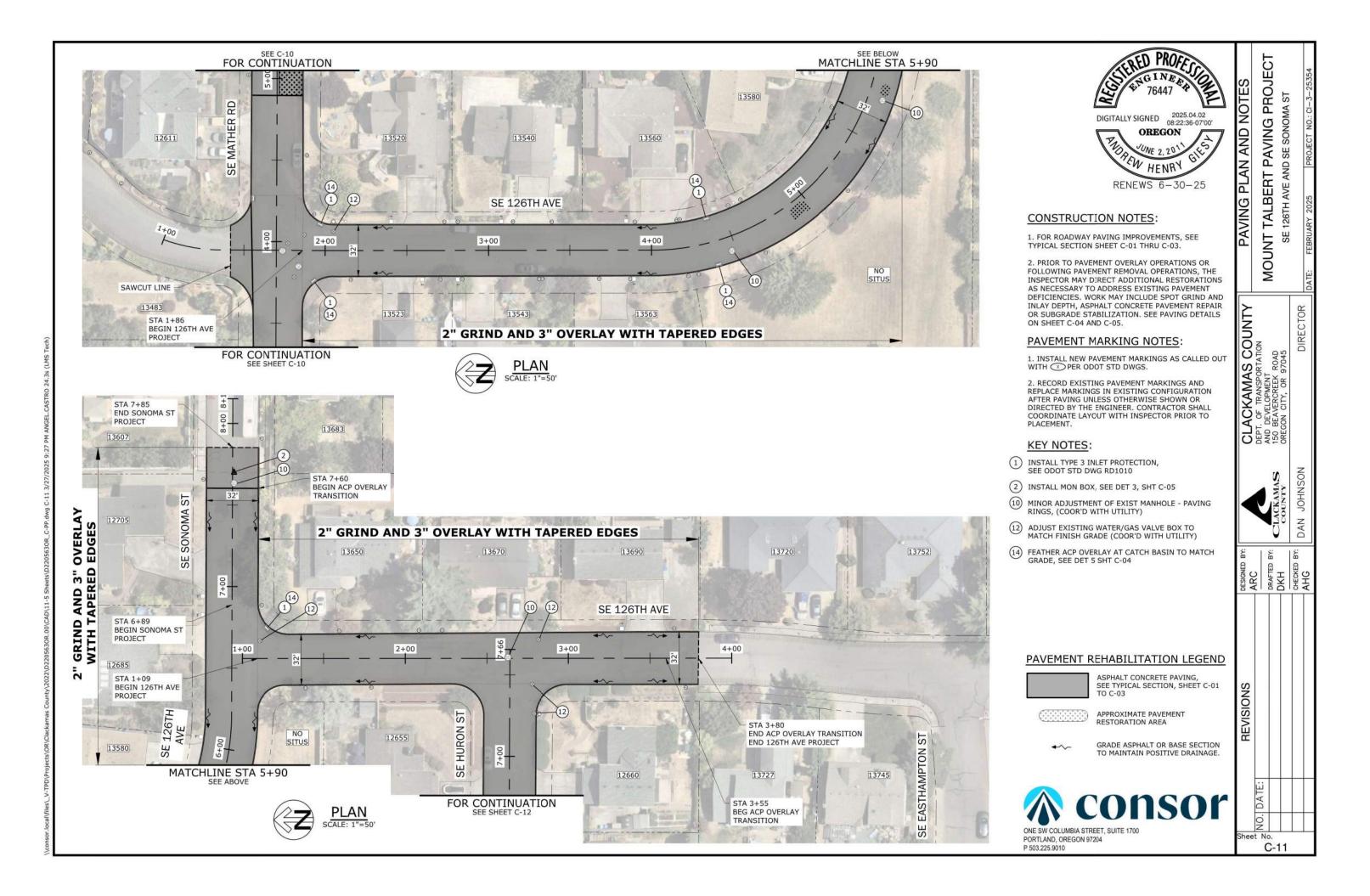
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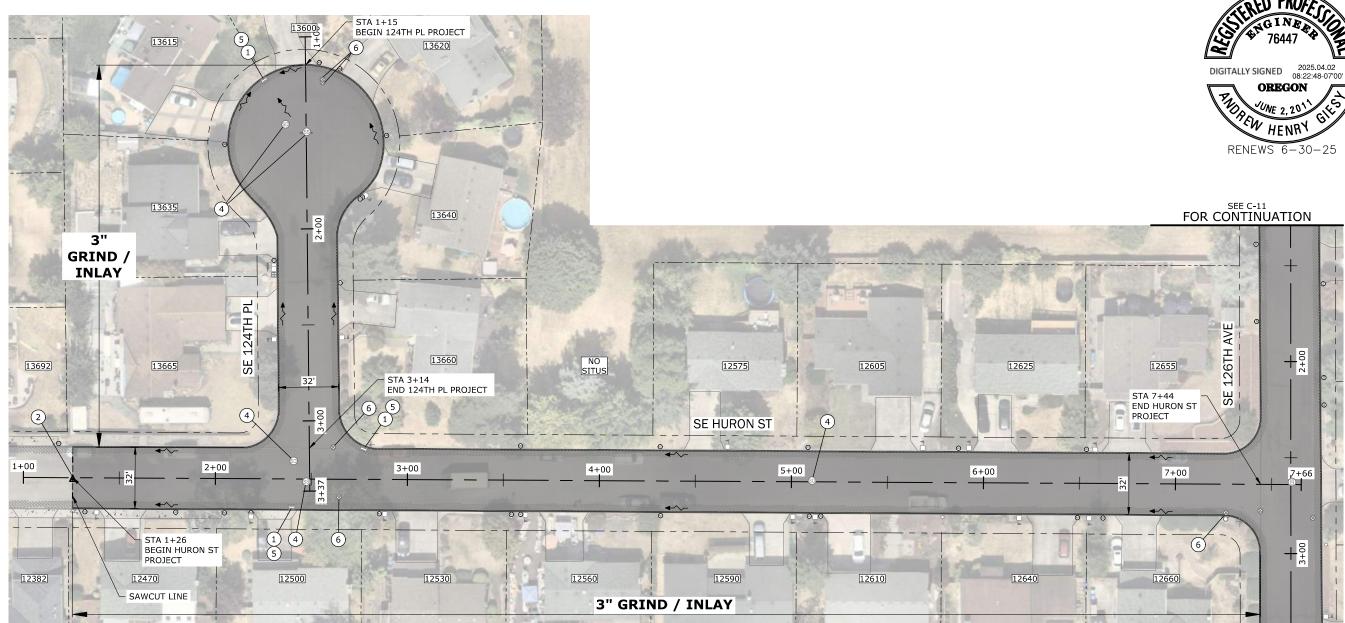
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2"-1.5" GRIND (TRANSITIONAL

GRIND) W/ 2" OVERLAY





PLAN SCALE: 1"=50'

CONSTRUCTION NOTES:

- 1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03.
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KEY NOTES:

- 1 INSTALL TYPE 3 INLET PROTECTION, SEE ODOT STD DWG RD1010
- 2 INSTALL MON BOX, SEE DET 2, SHT C-05
- 4 MAINTAIN AND PROTECT EXIST MANHOLE
- (5) MAINTAIN AND PROTECT EXIST CATCH BASIN
- (6) MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)

PAVEMENT





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FOR CONTINUATION SEE SHEET C-11						
REHABILITATION LEGEND						
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GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.	REVISIONS					
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MOUNT TALBERT PAVING PROJECT

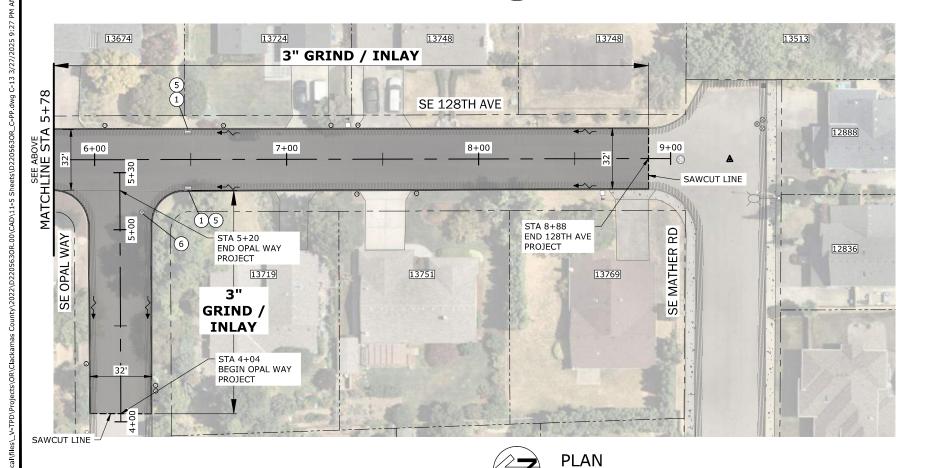
CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045

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SCALE: 1"=50





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RENEWS 6-30-25

CONSTRUCTION NOTES:

- 1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03
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- 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:

- (5) MAINTAIN AND PROTECT EXIST CATCH BASIN

1 INSTALL TYPE 3 INLET PROTECTION, SEE ODOT STD DWG RD1010

4) MAINTAIN AND PROTECT EXIST MANHOLE

6 MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)

PAVEMENT REHABILITATION LEGEND



ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01



GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



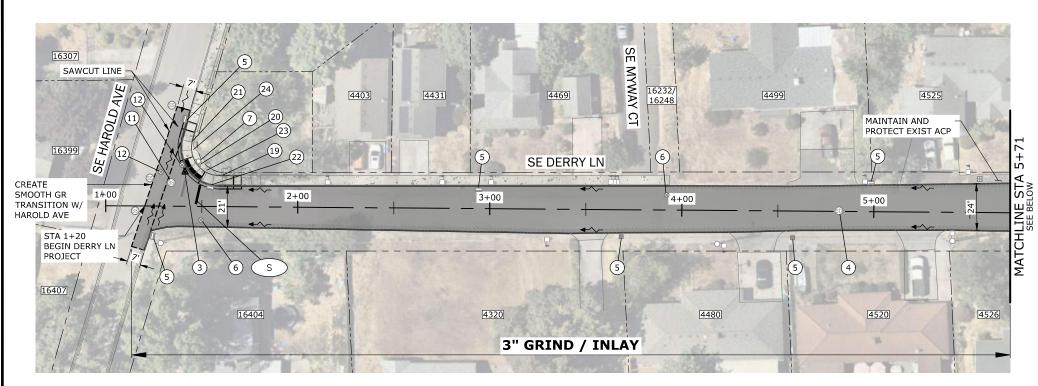
PROJECT MOUNT TALBERT PAVING SE 128TH AVE

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CLACKAMAS C DEPT. OF TRANSPORTAT AND DEVELOPMENT 150 BEAVERCREEK ROAI OREGON CITY, OR 9704

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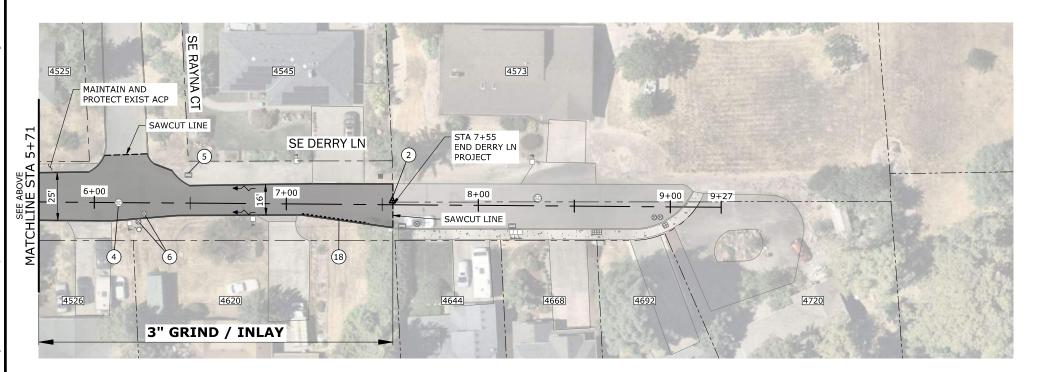
PAVEMENT REHABILITATION LEGEND



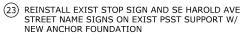
ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01

GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE

• • • • • • • • AC DRAINAGE CURB







24 REINSTALL EXIST DEAD END AND SE DERRY LN STREET NAME SIGNS ON NEW 2"X15GA PSST SUPPORT W/ NEW ANCHOR FOUNDATION



DIGITALLY SIGNED



RENEWS 6-30-25

CONSTRUCTION NOTES:

- 1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03.
- 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 DEPTH, ASPHALT CONCRETE PAVEMENT REPAIR OR SUBGRADE STABILIZATION. SEE PAVING DETAILS ON SHEET C-04 AND C-05.
- 3. FOR EROSION CONTROL PLAN SEE SHEET EC-01 THRU EC-04 FOR WORK WITHIN OLWS JURISDICTION.

PAVEMENT MARKING NOTES:

- 1. INSTALL NEW PAVEMENT MARKINGS AS CALLED OUT WITH X PER ODOT STD DWGS.
- 2. CONTRACTOR SHALL COORDINATE LAYOUT WITH INSPECTOR PRIOR TO PLACEMENT.

KEY NOTES:

- (2) INSTALL MON BOX, SEE DET 2, SHT C-05
- (3) ADJUST EXIST SURVEY PIN, SEE DET 1, SHT C-05
- (4) MAINTAIN AND PROTECT EXIST MANHOLE
- 5 MAINTAIN AND PROTECT EXIST CATCH BASIN
- 6 MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)
- 7) MAINTAIN AND PROTECT EXIST HYDRANT
- MINOR ADJUSTMENT OF EXIST MANHOLE METHOD "C", SEE ODOT STD DWG RD360
- (12) ADJUST EXISTING WATER/GAS VALVE BOX TO MATCH FINISH GRADE (COOR'D WITH UTILITY)
- (18) CONSTRUCT AC DRAINAGE CURB 35 FT, SEE DET 6 ON SHT C-04
- (19) REMOVE AND REBUILD FENCE (COOR'D LIMITS WITH INSPECTOR)
- (20) REMOVE AND SAVE EXIST SIGNS AND EXIST PSST SUPPORT
- (21) CONSTRUCT CONC S/W AND CONCRETE RAMP PER DETAIL SHEETS C-06 AND C-07
 - REMOVE EXIST SURFACINGS
 - CONSTRUCT AGG BASE
 - CONSTRUCT CURB AND GUTTER (E=6", PAN=18")
 - INSTALL TRUNCATED DOMES (WÈT SET)
 - CONSTRUCT ACP PLUG

P 503 225 9010

- RESTORE EXIST ROADSIDE SURFACINGS
- (22) ADJUST EXISTING CB TO MATCH FINISHED GRADE, SEE ODOT STD DWG RD376



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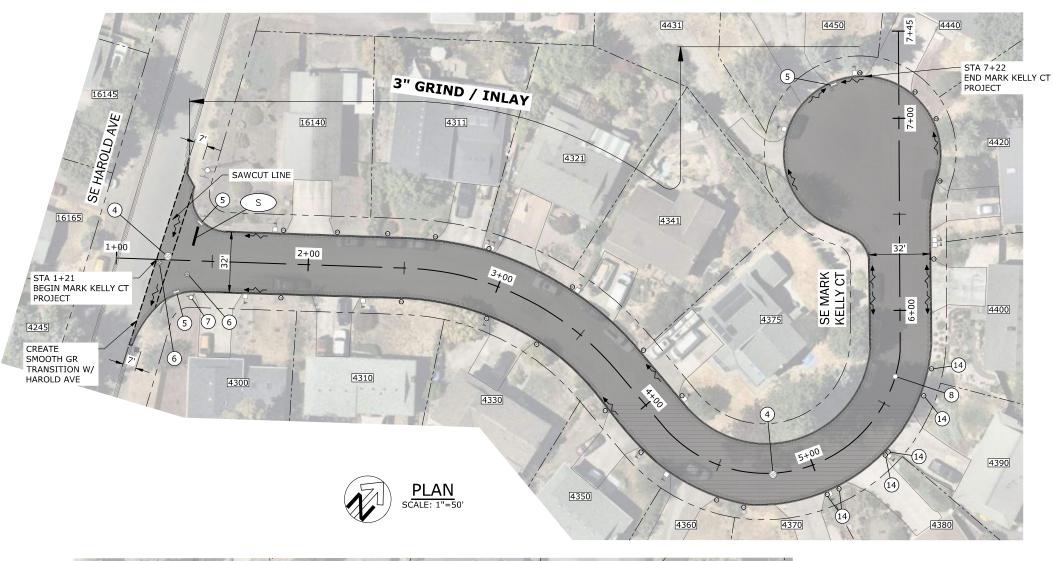
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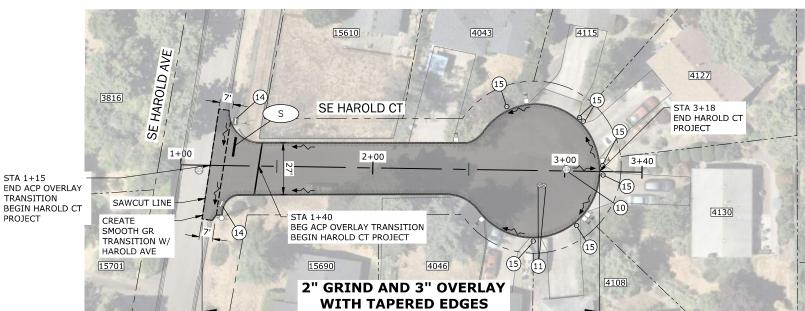
CLACKAMAS (DEPT. OF TRANSPORTA AND DEVELOPMENT 150 BEAVERCREEK ROA OREGON CITY, OR 9704 DEVELOPN BEAVERCR GON CITY,

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REVISIONS

C-14





PLAN SCALE: 1"=50"





CONSTRUCTION NOTES:

- 1. FOR ROADWAY PAVING IMPROVEMENTS, SEE TYPICAL SECTION SHEET C-01 THRU C-03
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KEY NOTES:

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- (5) MAINTAIN AND PROTECT EXIST CATCH BASIN
- 6 MAINTAIN AND PROTECT EXIST WATER/GAS VALVE BOX (COOR'D WITH UTILITY)
- 7) MAINTAIN AND PROTECT EXIST HYDRANT
- 8 MAINTAIN AND PROTECT EXISTING CLEAN OUT TO
- (10) MINOR ADJUSTMENT OF EXIST MANHOLE PAVING RINGS (COOR'D WITH UTILITY)
- 11) ADJUST EXISTING WATER/GAS VALVE BOX TO MATCH FINISH GRADE (COOR'D WITH UTILITY)
- 14) FEATHER ACP OVERLAY AT CATCH BASIN TO MATCH GRADE, SEE DET 5 SHT C-04
- (15) COOR'D W/ PROP OWNER PRIOR TO PAVING OPERATIONS AND/OR DIVERT CONTINUOUS ROOF OUTLET DRAINAGE FLOW AWAY FROM WORK

PAVEMENT REHABILITATION LEGEND



ASPHALT CONCRETE PAVING, SEE TYPICAL SECTION, SHEET C-01 TO C-03



GRADE ASPHALT OR BASE SECTION TO MAINTAIN POSITIVE DRAINAGE.



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CLACKAMAS COUNTY
DEPT. OF TRANSPORTATION
AND DEVELOPMENT
150 BEAVERCREEK ROAD
OREGON CITY, OR 97045 DEVELOPN BEAVERCR GON CITY,

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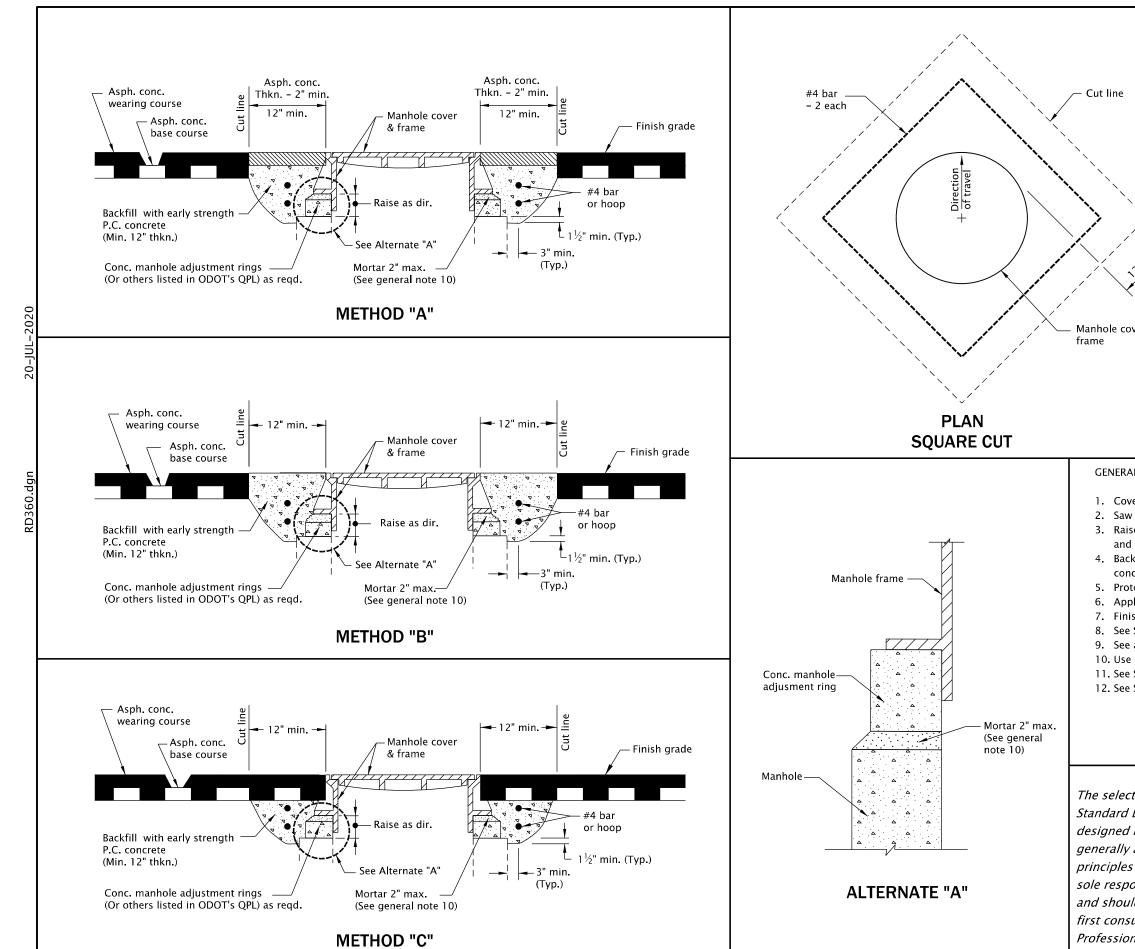
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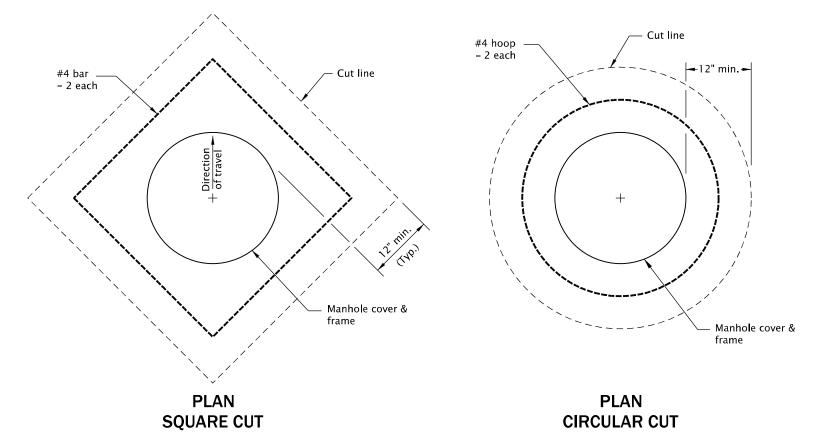


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PROJECT

TRANSITION

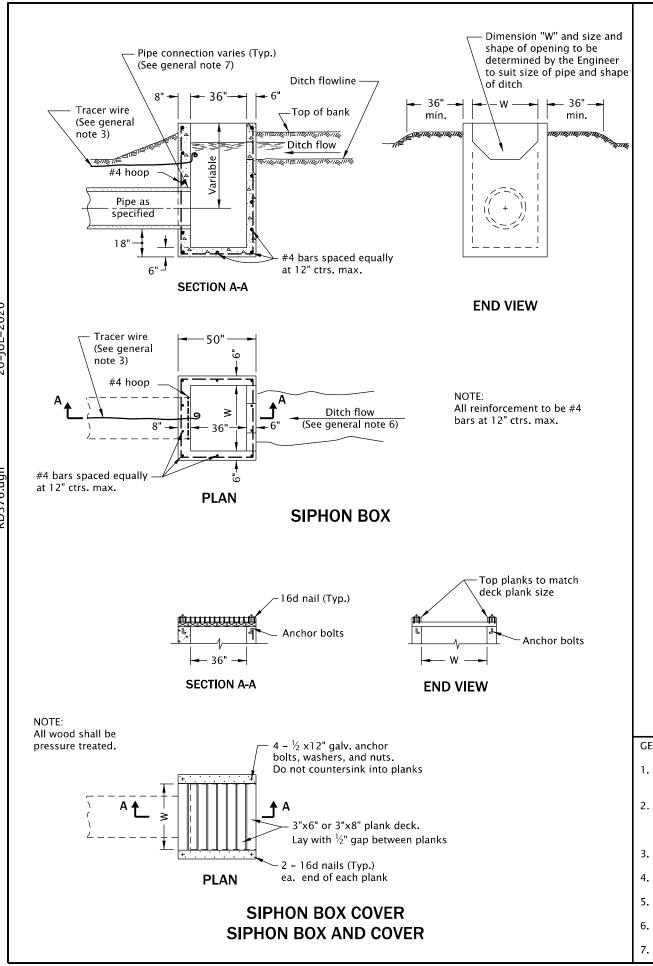


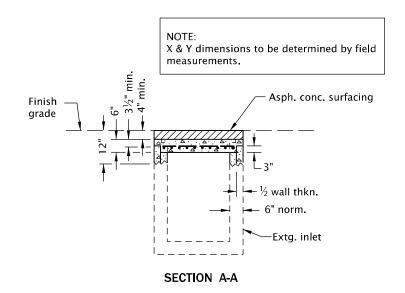


GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

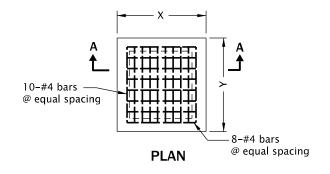
- 1. Cover manhole with building paper and const. asph. conc. base course and wearing courses.
- 2. Saw cut square or circular excavation around manhole 12" min. from manhole frame.
- 3. Raise manhole cover and frame to finish grade by installing conc. manhole adjustment rings and leveling mortar, as shown.
- 4. Backfill with early strength Portland Cement Concrete. All concrete shall be commercial grade concrete.
- 5. Protect from traffic loading until conc. has cured to 3000 psi.
- 6. Apply tack coat to edges of existing pavement before installing patch.
- 7. Finish joint with asphalt seal and sand.
- 8. See Std. Dwg. RD336 for manhole steps details.
- 9. See appropriate manhole standard drawings for details not shown.
- 10. Use epoxy for synthetic grade rings.
- 11. See Std. Dwg. RD336 for tracer wire details.
- 12. See Std. Dwg. RD356 for manhole covers and frames.

All materials shall be in accordance with the current Oregon Standard Specifications. The selection and use of this **OREGON STANDARD DRAWINGS** Standard Drawing, while MANHOLE FRAME designed in accordance with **ADJUSTMENT** generally accepted engineering principles and practices, is the 2024 sole responsibility of the user REVISION DESCRIPTION and should not be used without first consulting a Registered Professional Engineer. CALC. BOOK NO SDR DATE 21-JUL-2015 **RD360**

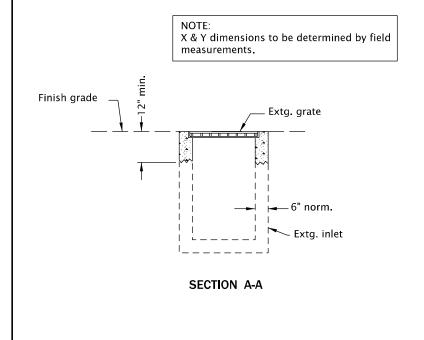


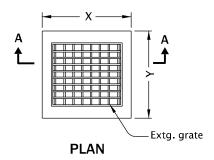


Place bars in concrete inlet cap $1\frac{1}{2}$ " min. clear of bottom face of concrete and $3\frac{1}{2}$ " min. clear of top face of concrete.



CONCRETE INLET CAP





ADJUST EXISTING INLET

(For details not shown, see Std. Dwg. RD366)

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- 1. All reinforcement to be placed a minimum of 2" clear of nearest face of concrete unless otherwise shown or noted.
- If metal frame and grate is reqd. conform to details for Type 1 grate.Size frame and grate to match dimensions of siphon box used, see Std. Dwg. RD364.
- 3. See Std. Dwg. RD336 for tracer wire details.
- 4. Max. pipe diameter varies with pipe material.
- 5. All precast products shall conform to requirements of ASTM C913.
- 6. Alignment of ditch, siphon box, and pipe varies, see project plans.
- 7. See Std. Dwg. RD339 for pipe to structure connections.

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.

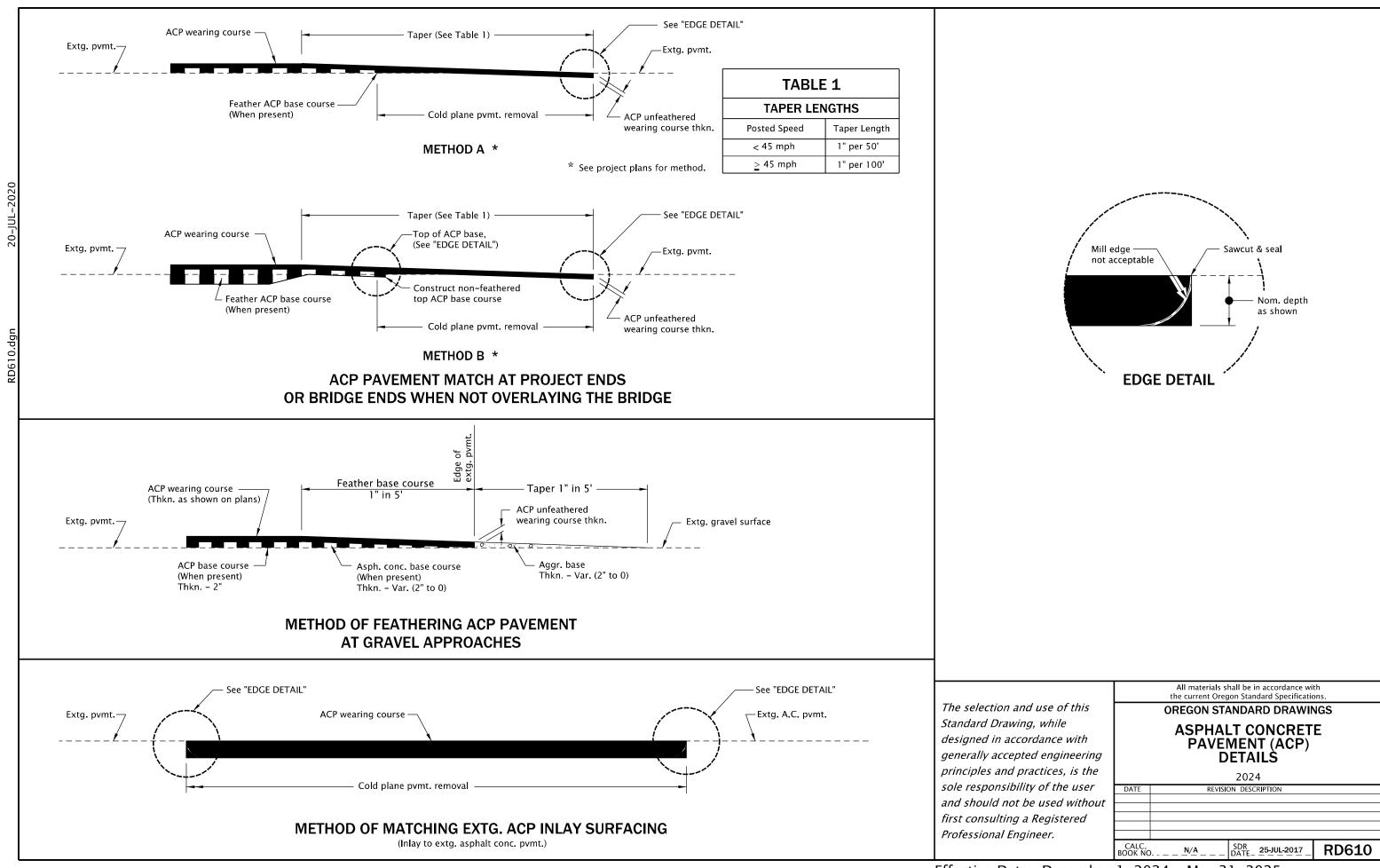
OREGON STANDARD DRAWINGS
MISCELLANEOUS DRAINAGE
STRUCTURES, SIPHON BOX, INLET
CAP AND INLET ADJUSTMENT
2024

All materials shall be in accordance with

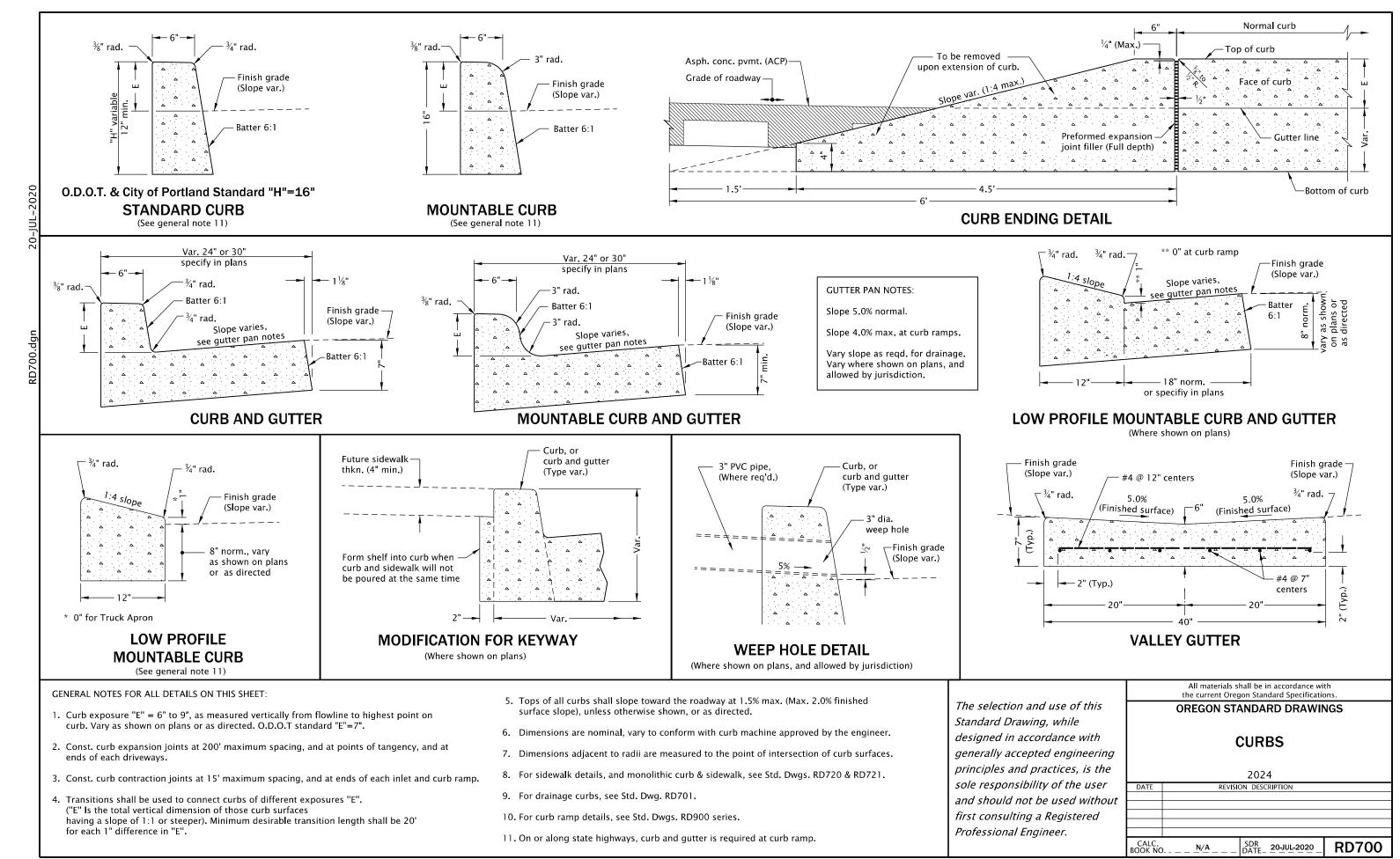
the current Oregon Standard Specifications.

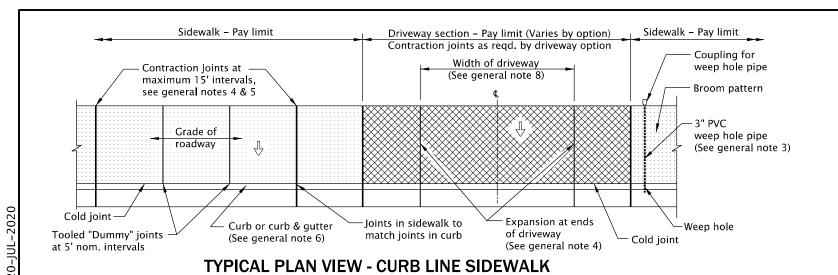
DATE REVISION DESCRIPTION

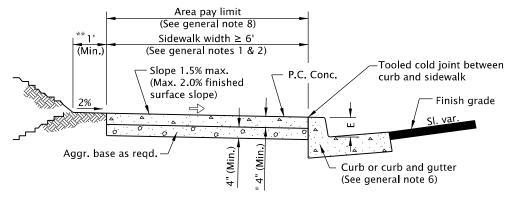
CALC. BOOK NO. _ N/A _ SDR DATE 14-JUL-2014 RD376



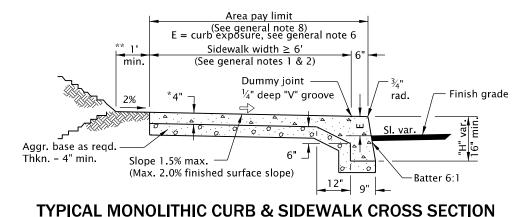
Effective Date: December 1, 2024 - May 31, 2025







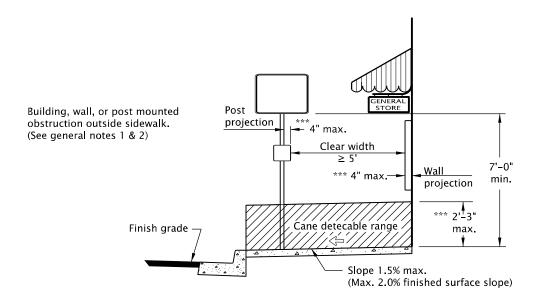
TYPICAL CURB SIDEWALK CROSS SECTION



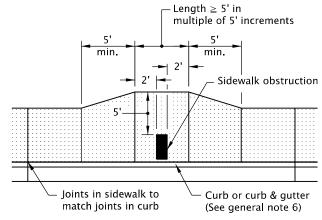
E = curb exposure, see general note 6

- * Min. 4" or as specified in plans. A thickness ≥ 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.



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.
- 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.
- 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 diveway 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).

 \Diamond

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.

CURB LINE SIDEWALKS

2024

REVISION DESCRIPTION

SDR DATE 21-JUN-2019 **RD720**

All materials shall be in accordance with

the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

CALC. BOOK NO

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

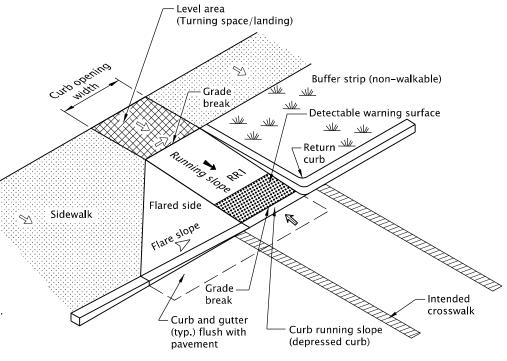
RR1 Ramp Run Position 1

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)

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Standard Drawing, while
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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 RAMP COMPONENTS AND LEGEND

2024

DATE	RE√	ISION DES	CRIPTION			
07-2020	NEW DRAWING CREATED					
07-2021	REVISED DETAILS AND NOTES					
01-2022	REVISED LEGEND					
11-2023	REVISED LEGEND					
CALC.	N/A	SDR	19-JAN-2024	RD900		

Effective Date: December 1, 2024 - May 31, 2025

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.

Example

2280	0 [00
Hwy No.	ID
Su	ffix Type

Milepoint of an intersection is based on the mile point of the center of the intersection listed to the hundredth of a mile.

<u>Corner Position</u> 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).

<u>Curb Ramp Position</u> 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).

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

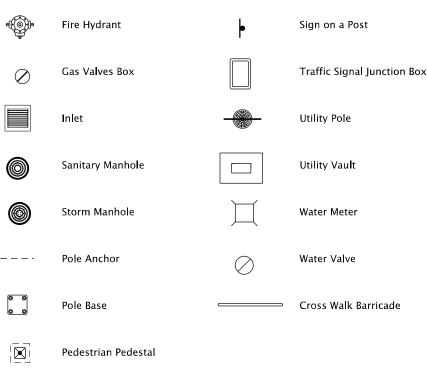
XS = Cross Slope

LA = Level Area

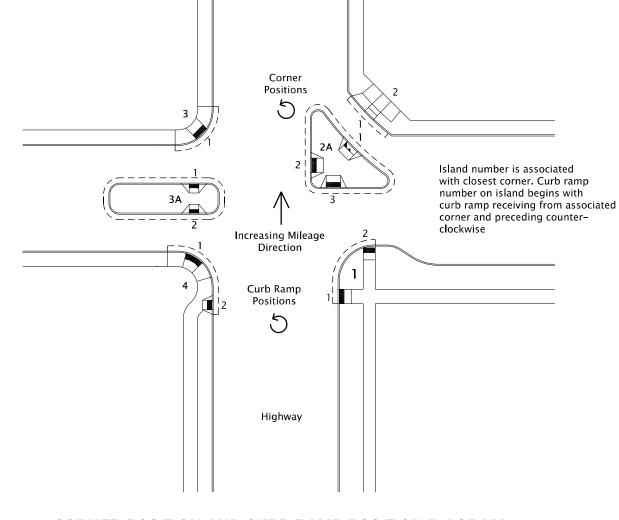
DWS = Detectable Warning Surface

PAR = Pedestrian Access Route

LEGEND:



Pedestrian Pushbutton



CORNER POSITION AND CURB RAMP POSITION DIAGRAM

(See ODOT Exhibit A for additional ramp and ramp run numbering conventions.)

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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.

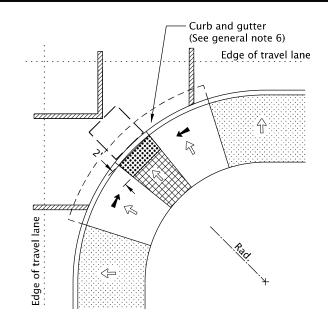
All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

CURB RAMP LEGEND AND CORNER IDENTIFICATION

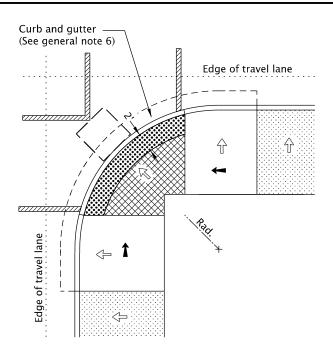
2024

CALC.	N/A SDR 19-JAN-2024	RD901
12-2023	REVISED NOTES	
09-2021	REVISED NOTES	
07-2020	NEW DRAWING CREATED	
DATE	REVISION DESCRIPTION	



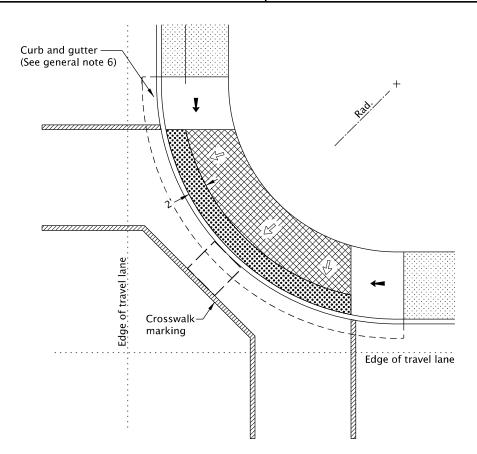
DIAGONAL PARALLEL CURB RAMP OPTION "PL-3"

(Use only when site constraints prohibit installing two curb ramps)



DEPRESSED CURB RAMP SMALL RADIUS OPTION "PL-4"

(Use only when site constraints prohibit installing two curb ramps)



DEPRESSED CURB RAMP LARGE RADIUS OPTION "PL-5"

(Use only when site constraints prohibit installing two curb ramps)

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.

See Std. Dwg. RD920 for parallel curb ramp details.

- 3. Tooled dummy joints are required at all curb ramp slope break lines, (see Std. Dwg. RD722).
- 4. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
- 5. 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.
- 6. On or along state highways, curb and gutter is required at curb ramps.
- 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. Only use curb ramp options allowed by jurisdiction. Single ramps require design exceptions on or along state highways.

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 (fo 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)
	4'x4' clear space

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.

OREGON STANDARD DRAWINGS PARALLEL CURB RAMP SINGLE RAMP

All materials shall be in accordance with the current Oregon Standard Specifications.

2024

DATE	REVISION DESCRIPTION	
7-2020	NEW DRAWING CREATED	
CALC. OOK NO	D N/A SDR 20-JUL-2020 _	RD922

TAPER TYPES & FORMULAS						
TAPER	FORMULA					
Merging (Lane Closure)	"L"					
Shifting	"L"/2 or ½"L"					
Shoulder Closure	"L"/3 or ⅓"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				

ΜI	NIMU	JM L	. E N G ⁻	THS	TABLE
"L" VALUE FOR TAPERS (ft)					DUESED UDU (C)
A 68550 (1)	W = Lane o	r Shoulder Wid	Ith being close	ed or shifted	BUFFER "B" (ft)
SPEED (mph)	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
		ı	REEWAYS	5	
55	1000	1000	1000	1000	250
60	1000	1000	1000	1000	285
65	1000	1000	1000	1000	325
70	1000	1000	1000	1000	365

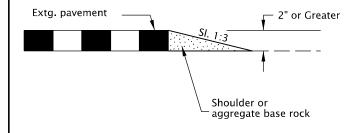
- For Lane closures where W < 10', use "L" value for W = 10'.
- For Shoulder closures where W < 10', use "L" value for W = 10' or calculate "L" using formula, for Speeds \geq 45: L = WS, Speeds < 45: L = S 2 W/60, S = Speed, W=Width

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE						
★ SPEED (mph)	Sign Spacing (ft)			Max. Channelizing		
	Α	В	С	Device Spacing (ft)		
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		

- 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:

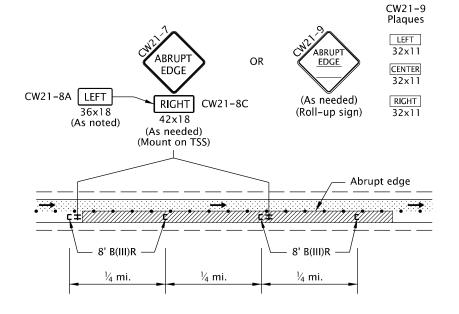
- When payed shoulders adjacent to excavations are less than four feet wide protect longitudinal abrupt edge as shown.
- Use aggregate wedge when abrupt edge is 2 inches or greater.



EXCAVATION ABRUPT EDGE

NOTES:

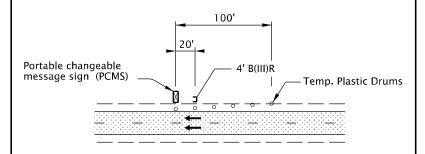
- Abrupt edges may be created by paving, operations, excavations or other roadway work. Use abrupt edge signing for longitudinal abrupt edges of 1 inch or greater.
- If the excavation is located on left side of traffic, replace the 8' B(III)R barricades with 8' B(III)L barricades and replace the "RIGHT" (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:

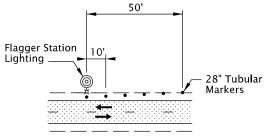
- Install PCMS beyond the outside shoulder, when possible.
- Use the appropriate type of barricade panels for PCMS location. Right shoulder, use Type B(III)R Left shoulder, use Type B(III)L
- Use six drums in shoulder taper on 20' spacing. The drums and barricade may be omitted when PCMS is placed behind 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)
- 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.
- Temp. Plastic Drums See TCD Spacing Table for max. spacing.
- • 28" Tubular Markers See TCD Spacing Table for max. spacing.

UNDER TRAFFIC

UNDER CONSTRUCTION

- 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.
- Provide a truck mounted attentuator (TMA) to protect the active work area on high speed divided highways or freeways when positive protection is not available, 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

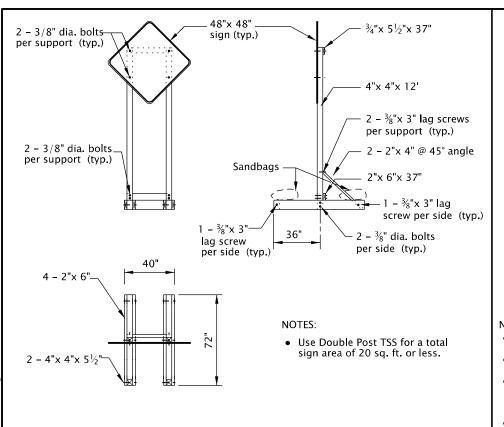
OREGON STANDARD DRAWINGS

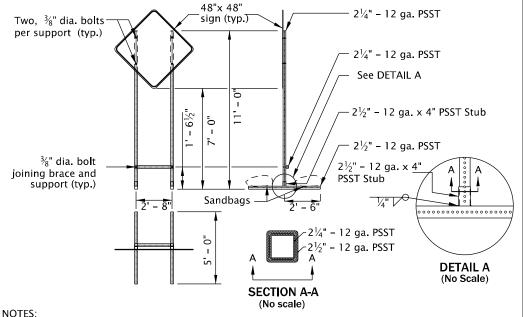
TABLES, ABRUPT EDGE AND **PCMS DETAILS**

2024

REVISION DESCRIPTION 07-2022 Added a note for TPARs 07-2024 Added a note for TMAs CALC. BOOK NO. SDR DATE 12-JUL-2024 TM800

Effective Date: December 1, 2024 - May 31, 2025

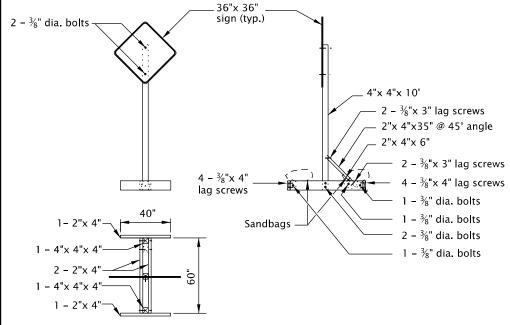




PERFORATED STEEL SQUARE TUBE (PSST) DETAIL

- 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.

- $2\frac{1}{4}$ " 12 ga. PSST to extend entire length inside of the $2\frac{1}{2}$ " 12 ga. x 4" PSST Stub.
- Do not use bolt to secure 2¼" PSST inside of the 2½" 12 ga. x 4" PSST Stub.
- Weld steel according to American Welding Society (AWS) D.1.1.

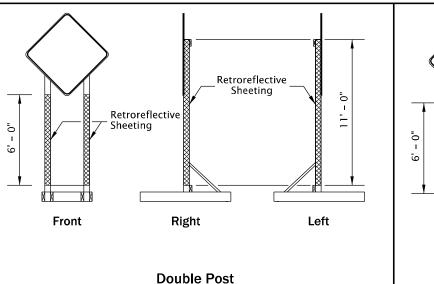


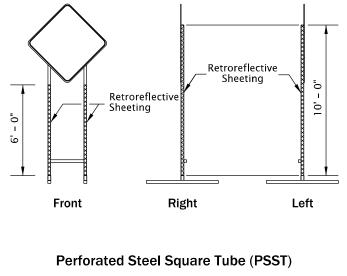
NOTES:

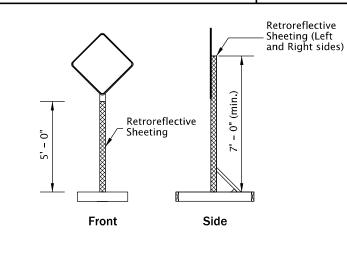
- Use Single Post TSS for a total sign area of 12 sq. ft. or less.
- Use Single Post TSS for mounting "Business Access" (CG20-11) signs. Do not mount signs on Type II or III Barricades.

SINGLE POST DETAIL

DOUBLE POST DETAIL







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.

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.

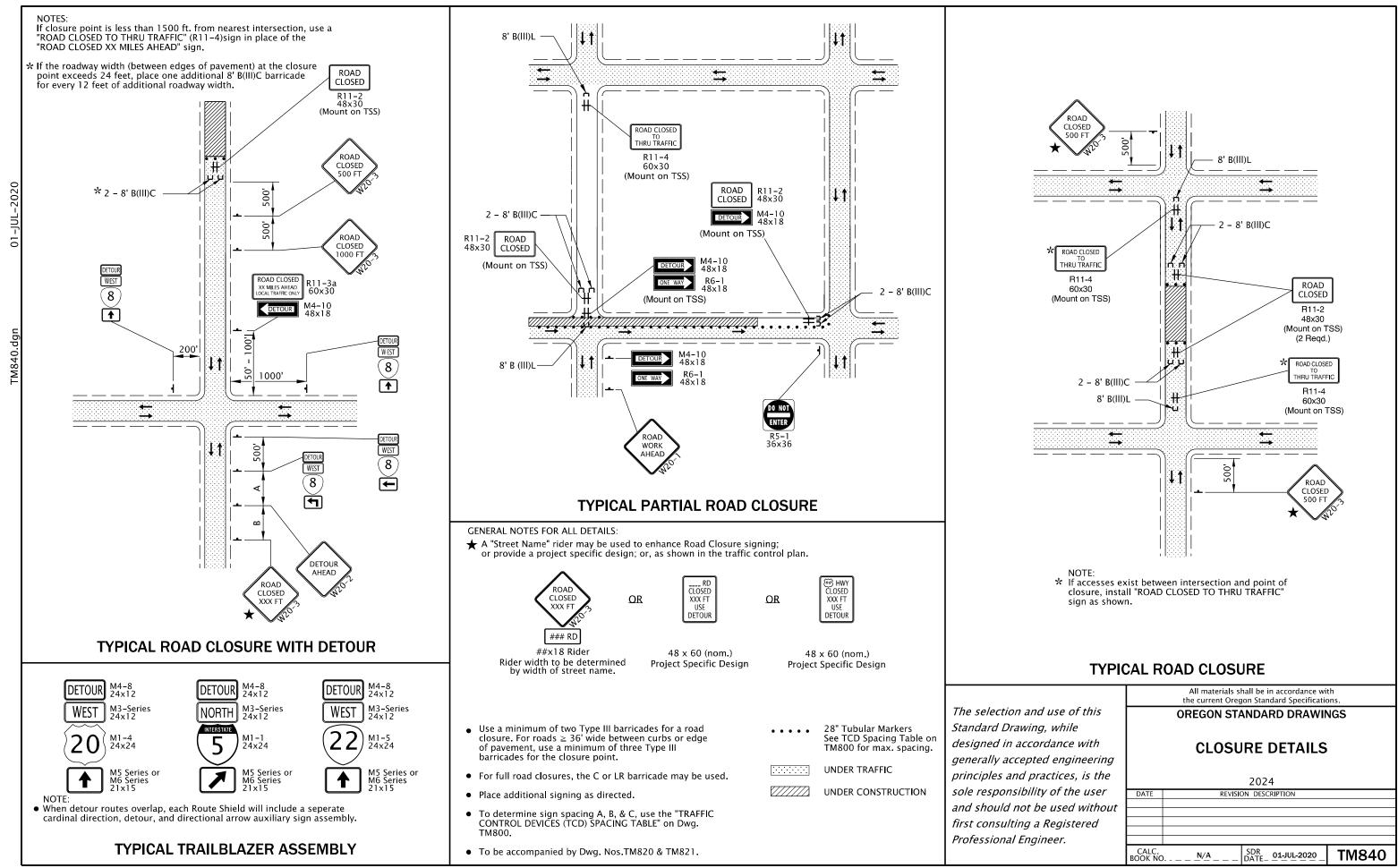
OREGON STANDARD DRAWINGS
TEMPORARY SIGN SUPPORTS

All materials shall be in accordance with the current Oregon Standard Specifications

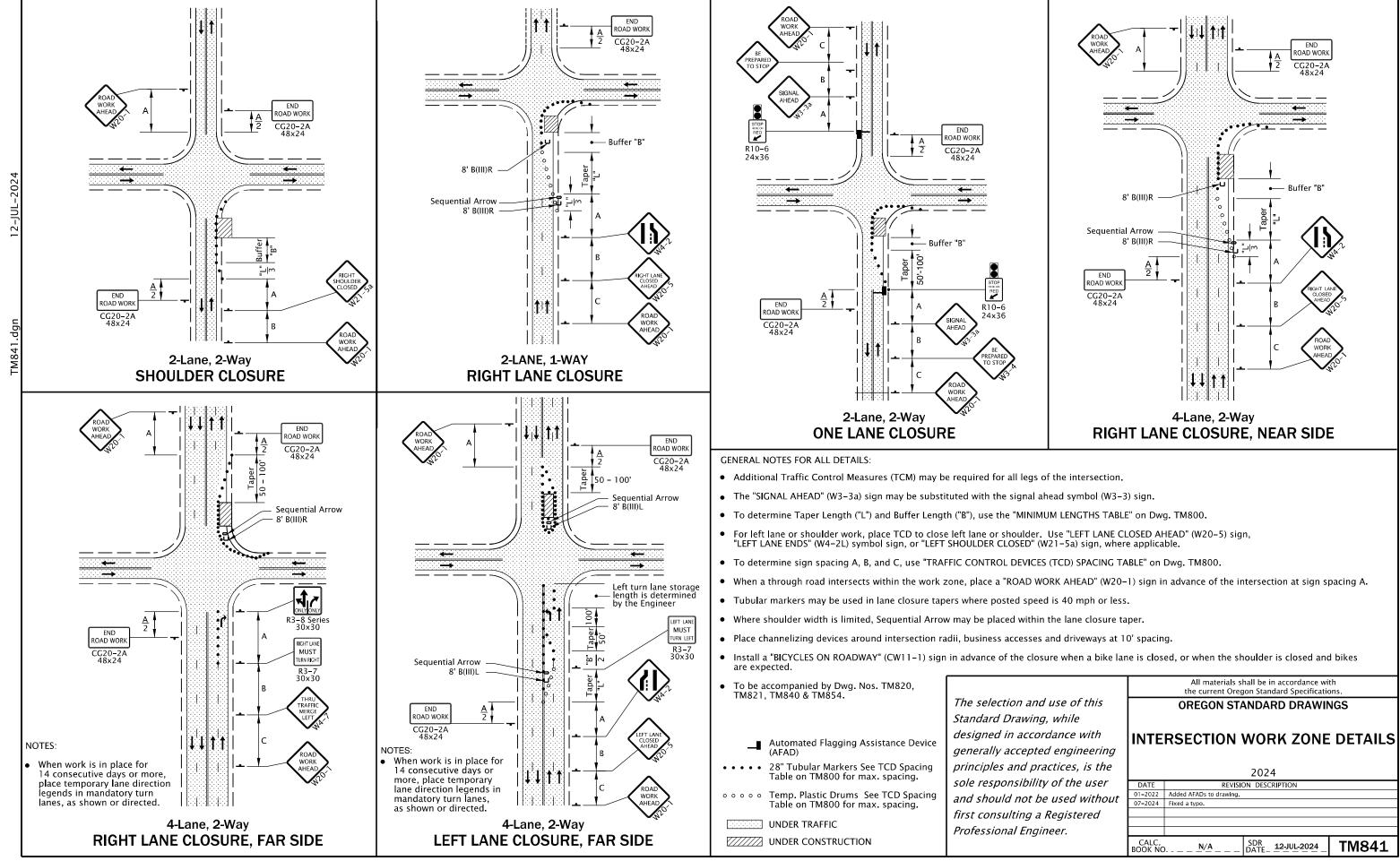
DATE REVISION DESCRIPTION

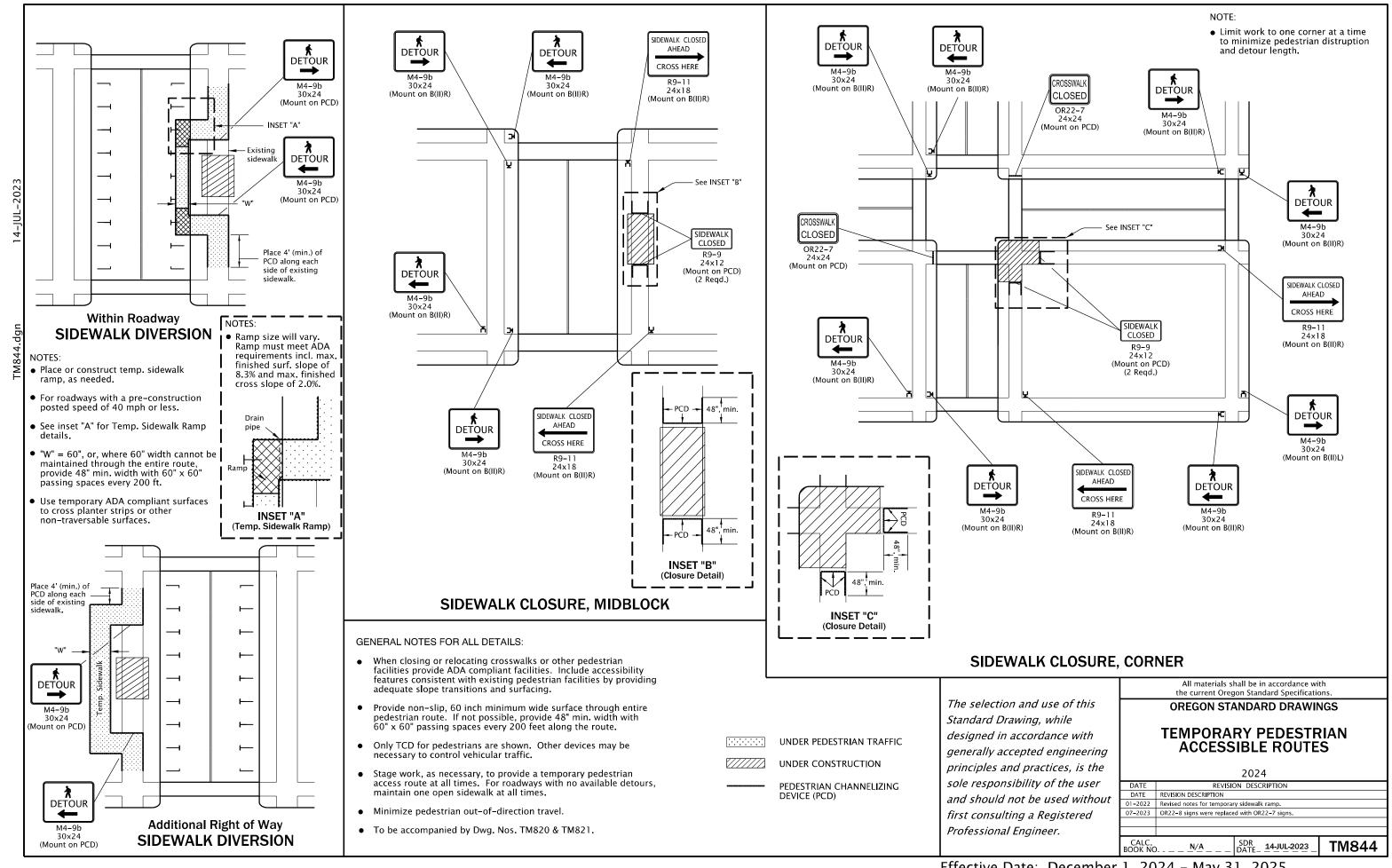
CALC. BOOK NO. _ N/A _ DATE 14-JUL-2023 TM821

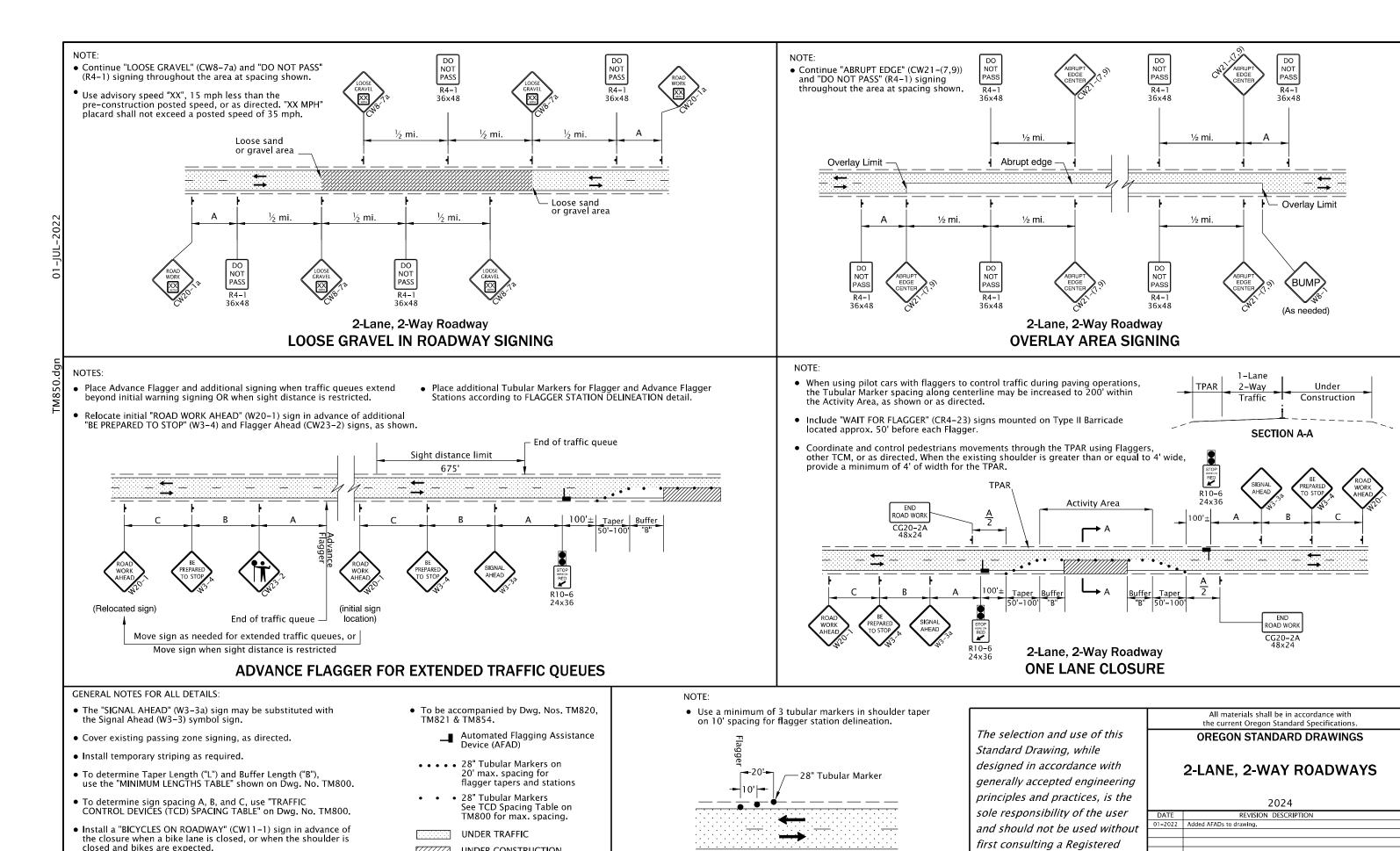
SIGN POST REFLECTIVE SHEETING PLACEMENT



Effective Date: December 1, 2024 - May 31, 2025







FLAGGER STATION DELINEATION

UNDER CONSTRUCTION

CONSTRUCTION UNDER TRAFFIC

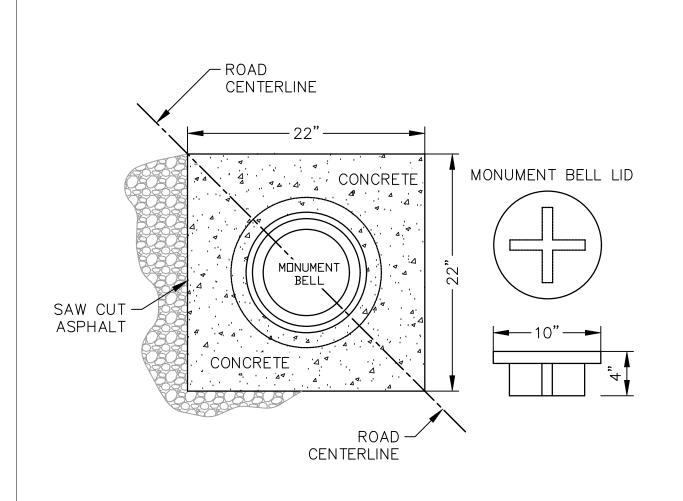
At night, flagger stations shall be illuminated according to the FLAGGER STATION LIGHTING DELINEATION detail on Dwg No. TM800.

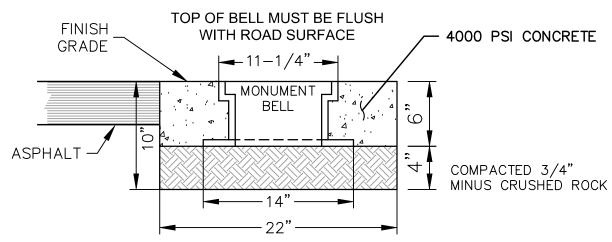
CALC. BOOK NO.

SDR DATE 01-JUL-2022

TM850

Professional Engineer.





NOTE:
MONUMENT BOXES TO BE CAST
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REVISION	3/20	RM		
			15	
			OR	

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



APPROVAL DATE: 6/1/2020

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SCALE: N.T.S. STANDARD DRAWING

M100