

**CITY OF SHADY COVE
OREGON**

**CONTRACT & BID DOCUMENTS
FOR THE CONSTRUCTION OF
CLEVELAND STREET SCA IMPROVEMENTS
HIGHWAY 62 TO SLOAN'S WAY**

PROJECT NO. S20-001

March 30, 2022

**KAS & Associates, Inc.
304 South Holly Street
Medford, OR 97501
(541) 772-5807 (Phone)
Scott D. Pingle, P.E., S.E.
City Engineer**

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**CITY OF SHADY COVE
SHADY COVE, OREGON**

ADVERTISEMENT FOR BIDS

Sealed Bids addressed to the City of Shady Cove, Oregon and endorsed “ATTN: TOM CORRIGAN, CITY ADMINISTRATOR – BID FOR THE CONSTRUCTION OF CLEVELAND STREET SCA IMPROVEMENTS – HIGHWAY 62 TO SLOAN’S WAY – PROJECT NO. S20-001”, will be received at City Hall, 22451 Highway 62, Shady Cove, Oregon 97539, (mailing address: P.O. Box 1210, Shady Cove, Oregon 97539), until, but not after 2:00 p.m. Pacific Daylight Time on **March 30, 2022**, at which time all Bids will be publicly opened and read.

The bidder will complete the work, in all respects by **July 27, 2022**. The work shall consist of supplying all labor, equipment, and materials necessary to construct improvements including but not limited to the following approximate quantities for major work items:

- 500 CY General Excavation
- 100 CY Embankment Installation
- 82 LF 12” HDPE Storm Drain
- 7 EA Concrete Inlets
- 1515 LF Concrete Curb and Gutter
- 830 TONS of Aggregate Base
- 4293 SF Concrete Walks
- 1739 SF Concrete Driveways
- 221 TONS Level 2, ½” ACP Mixture

Contract Documents may be reviewed at KAS & Associates, Inc., 304 S. Holly St., Medford, Oregon 97501, and copies may be obtained for a non-refundable fee of thirty dollars (\$30.00).

MAKE CHECKS PAYABLE TO: CITY OF SHADY COVE

For inquiries concerning said project, contact Scott Pingle, City Engineer, (541) 772-5807. Bids shall only be made on the forms furnished by KAS & Associates, Inc and will not be provided until the non-refundable fee is paid.

A MANDATORY Pre-Bid meeting and Site Inspection will be held at City Hall, 22451 Highway 62, Shady Cove, Oregon on **March 15, 2022** at 10:00 a.m. All prospective bidders are REQUIRED to attend.

A surety bond, cashiers, or certified check from the bidder, payable to the City of Shady Cove in the amount of ten percent (10%) of the bid must accompany each bid as security.

All projects require the Contractor to provide a “Performance” bond and a “Payment” bond, each equal to the total amount of the contract.

The bidder must include with the bid a completed Oregon Bidder Residency Statement and Non-Collusion Affidavit included with the contract documents.

No bid will be received or considered unless the bidder is registered with the Construction Contractor's Board as required by provisions by ORS 701.021.

Bidders shall submit proof of pre-qualification for classes of work described above at least five days prior to the opening of the bids.

All projects in excess of \$50,000.00 require the Contractor to pay prevailing wage rates. No bid shall be considered unless the Compliance Statement is signed and completed by the bidder as part of the bid that the provisions of ORS 279C.800 through 279C.870 Prevailing Wage Rates will be complied with.

Contractors awarded a contract must provide proof of a current City of Shady Cove Business License and required insurance (as required in the City's contract form) at the time of execution of the contract. A contract is not accepted unless such proof of insurance is provided.

The City of Shady Cove may reject any bid not in compliance with all prescribed public bidding procedures and requirements and reserves the right to reject for any good cause or all bids, waive formalities, or to accept any bid which appears to serve the best interest of the City.

PROPOSAL

TO: City of Shady Cove
 City Hall
 22345 Hwy. 62
 Shady Cove, OR 97539

BIDDER'S DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in the Proposal are those named herein, that this Proposal is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Proposal is made without any connection or collusion with any person submitting another Proposal on the Contract.

The undersigned further declares that the Bidder has received, read and understood all Bid Documents; received, read and understood all addenda; the bidder has taken no exceptions other than those clearly stated in this proposal; the bidder will be liable for increased costs (and attorney fees) for retaining a replacement bidder if the undersigned bidder is awarded the contract but refuses to sign the contract; the bidder has examined the plans and specifications, has visited the site, and made such investigation as is necessary to determine the character of the materials and conditions to be encountered in the work.

CONTRACT EXECUTION, BONDS AND CERTIFICATES OF INSURANCE

The Bidder agrees that if this Proposal is accepted, the bidder will, within 10 days, not including Sundays and legal holidays, after Notice of Award, sign the Contract in the form annexed hereto, and will at that time, deliver surety bond or bonds as required, and deliver required proof of insurance as specified in these Documents. The bid security attached in the sum of ten percent of the total price for the bid or combination of bids is to become the property of the Owner in the event the contract and bond are not executed within the time above set forth as liquidated damages for the delay and additional expense to the Owner caused thereby.

The Bidder agrees, to the extent of this Proposal, to furnish all machinery, tools, apparatus, and other means of construction and do the work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

START OF CONSTRUCTION AND CONTRACT TIME

The Bidder agrees that the "Contract Time" shall be as defined in the specifications and that the bidder will complete the work, in all respects, by **July 27, 2022**.

In the event the Bidder is awarded the Contract and shall fail to complete the work within the time limit or extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the Owner, for each consecutive calendar day thereafter, as specified in the General Conditions, Subsection 00180.85, that the project remains incomplete.

ADDENDA

The Bidder hereby acknowledges that addenda(s) numbered _____ through _____ have been received, examined and included as part of the Contract Documents.

LAWS AND SALES AND USE TAXES

The Bidder will comply with all the laws of the Federal Government, State of Oregon, and the City of Shady Cove which are pertinent to construction contracts of this nature even though such laws or municipal ordinances may not have been quoted or referred to in these specifications. The Bidder further agrees that all Federal, State, and local sales and use taxes are included in the stated bid prices for the work.

LUMP SUM AND UNIT PRICE WORK

It is understood that all the work will be performed under a lump sum or unit price basis and that for the lump sum or unit price all services, materials, labor, equipment, and all work necessary to complete the project in accordance with the plans and specifications shall be furnished for the said lump sum or unit price named. It is understood that the quantities stated in connection with the price schedule for the contract are approximate only and payment shall be made at the unit prices named for the actual quantities incorporated in the completed work. If there shall be an increase in the amount of work covered by the lump sum price, it shall be computed on a basis of "Extra Work" for which an increase in payment will have been earned and if there be a decrease in the lump sum payment, it shall be made only as a result of negotiation between the undersigned and the Owner. Furthermore, it is understood that any estimate with respect to time, materials, equipment, or service which may appear on the plans or in the specifications is for the sole purpose of assisting the undersigned in checking the undersigned's own independent calculations and that at no time shall the undersigned attempt to hold the Owner, the Engineer, or any other person, firm or corporation responsible for any errors or omissions that may appear in any estimate.

All items for the contract for which forms are provided in the bid documents have been completed in full by the showing of a lump sum price or prices for each and every item and by the showing of other information indicated by the proposal form. The undersigned submits the unit prices set forth as those at which the bidder will perform the work involved. The extensions in the column headed "Total" are made up for the sole purpose of facilitating comparison of bids and if there are any discrepancies between the unit prices and the totals shown, the unit prices shall govern.

The foregoing prices shall include all labor, materials, equipment, overhead, profit, insurance, and all other incidental expenses to cover the finished work of the several kinds called for. Unit prices are to be shown in both words and figures. In case of discrepancy, the amounts shown in words will govern.

BID SCHEDULE
CLEVELAND STREET SCA IMPROVEMENTS
HIGHWAY 62 TO SLOAN'S WAY
PROJECT NO.: S20-001

DIVISION	QUANTITY	UNIT	UNIT PRICE (IN FIGURES)	UNIT PRICE (IN WORDS)	TOTAL AMOUNT
00210 MOBILIZATION					
1	Mobilization				
	1	LS	\$ _____	\$ _____	\$ _____
00225 WORK ZONE TRAFFIC CONTROL					
2	Temporary Work Zone Traffic Control, Complete				
	1	LS	\$ _____	\$ _____	\$ _____
00280 EROSION AND SEDIMENT CONTROL					
3	Erosion Control, Complete				
	1	LS	\$ _____	\$ _____	\$ _____
00310 REMOVAL OF STRUCTURES AND OBSTRUCTIONS					
4	Asphalt Pavement Saw-Cutting				
	1723	LF	\$ _____	\$ _____	\$ _____
5	Removal of Asphalt & Concrete Surfacing				
	1247	SY	\$ _____	\$ _____	\$ _____
6	Remove and Temporary Relocation of Existing Mailbox				
	3	EA	\$ _____	\$ _____	\$ _____
7	Construct New Multiple Support Mailbox per RD100 and RD101				
	2	EA	\$ _____	\$ _____	\$ _____

8 Remove and Relocate Existing Street Signs Similar to TM670

3 EA \$ _____ \$ _____ \$ _____

9 Remove and Relocate Existing Church Sign

1 EA \$ _____ \$ _____ \$ _____

00320 CLEARING AND GRUBBING

10 Clearing and Grubbing

1 LS \$ _____ \$ _____ \$ _____

00330 EARTHWORK

11 General Excavation

500 CY \$ _____ \$ _____ \$ _____

12 Embankment Installation

100 CY \$ _____ \$ _____ \$ _____

13 Swale Grading

240 LF \$ _____ \$ _____ \$ _____

00390 RIPRAP PROTECTION

14 Loose RIPRAP, Class 50

2 CY \$ _____ \$ _____ \$ _____

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

15 12" HDPE with Class "B" Backfill

82 LF \$ _____ \$ _____ \$ _____

16 8" HDPE with Class "B" Backfill

12 LF \$ _____ \$ _____ \$ _____

17 (2) 4" PVC Sleeves in Common Trench with Class "B" Backfill (18" Deep)
110 LF \$ _____ \$ _____ \$ _____

18 3" Dia. Weep Hole Pipe through Curb
3 LF \$ _____ \$ _____ \$ _____

00470 MANHOLES, CATCH BASINS, AND INLETS

19 Concrete Inlets, Type G-1 (Z1)
1 EA \$ _____ \$ _____ \$ _____

20 Concrete Inlets, Type G3 with 5' Width (A1-A, Z3-A)
2 EA \$ _____ \$ _____ \$ _____

21 Concrete Inlets, Type CG-3 with 5' Width over Existing Inlet (Z3)
1 EA \$ _____ \$ _____ \$ _____

22 Concrete Field Inlet (Z3-A2)
1 EA \$ _____ \$ _____ \$ _____

23 Concrete Field Inlet over Existing Pipe (Z5-A)
1 EA \$ _____ \$ _____ \$ _____

24 Modify Concrete Inlet Z5 to Grade with Solid Cover
1 EA \$ _____ \$ _____ \$ _____

00480 DRAINAGE CURBS

25 Drainage Curbs, Standard Curb and Gutter with 18" Gutter
1515 LF \$ _____ \$ _____ \$ _____

26 Concrete Curbs at Sidewalk Ramps (Back or Side)
50 LF \$ _____ \$ _____ \$ _____

27 Drainage Curb, 6" x 8" AC Drainage Curb
7 LF \$ _____ \$ _____ \$ _____

28 Drainage Curbs, Typical Curb Openings and Scour Pad, Complete
10 EA \$ _____ \$ _____ \$ _____

00490 WORK ON EXISTING SEWERS AND STRUCTURES

29 Adjust Boxes
2 EA \$ _____ \$ _____ \$ _____

30 Minor Adjustment of Manholes
4 EA \$ _____ \$ _____ \$ _____

31 Connect 12" HDPE to Existing 24" CMP with 12" Insert-A-Tee
1 EA \$ _____ \$ _____ \$ _____

00640 AGGREGATE SUBBASE, BASE AND SHOULDERS

32 Aggregate Base (8" Roads, 2" Walks and Driveway)
830 TON \$ _____ \$ _____ \$ _____

33 Aggregate Shoulders (3" Deep)
8 TON \$ _____ \$ _____ \$ _____

007444 ASPHALT CONCRETE PAVEMENT

34 Level 2, 1/2" ACP Mixture
221 TON \$ _____ \$ _____ \$ _____

00749 MISCELLANEOUS ASPHALT CONCRETE STRUCTURES

35 Extra for Asphalt Approaches
7 EA \$ _____ \$ _____ \$ _____

00759 MISCELLANEOUS PORTLAND CEMENT CONCRETE STRUCTURES

36 Concrete Walks (4" Thick, Unreinforced)

4293	SF	\$	\$	\$
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37 Concrete Driveways (6" Thick, Unreinforced)

1739	SF	\$	\$	\$
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38 Truncated Domes on New Surfaces (2' x 5')

6	EA	\$	\$	\$
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00867 TRANSVERSE PAVEMENT MARKINGS - LEGENDS AND BARS

39 Pavement Bar, Type A: Continental Crosswalk (2' x 9')

180	SF	\$	\$	\$
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01040 PLANTING

40 Topsoil (4" Thick)

20	CY	\$	\$	\$
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TOTAL			\$	
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The City of Shady Cove reserves the right to reject any and all bids, waive formalities, or accept any bid which appears to serve the best interests of the City in accordance with ORS 279B.100.

If the Bidder is awarded a construction Contract on this Proposal, the Surety who will provide the Performance Bond and Payment Bond will be:

Whose Address is: _____

Agent Name: _____ Phone No. _____

Firm Name of Bidder

Signature of Bidder

Printed Name of Bidder

Official Title

State of Incorporation

CCB Number

Dated this _____ day of _____ 2022.

Name of Bidder _____

Address _____

Telephone No. _____

OREGON
BIDDER RESIDENCY STATEMENT

****THIS PAGE MUST BE COMPLETED, SIGNED, & RETURNED****

FAILURE TO DO SO WILL RESULT IN BID REJECTION

The 1987 Oregon Legislative Assembly enacted a reciprocal preference law which states, in part: (See ORS 279A.120)

For the purpose of awarding the contract, a public contracting agency shall, add a percent increase to the bid of a non-resident bidder equal to the percent, if any, of the preference given to that bidder in the state in which the bidder resides.

“Resident Bidder” means a bidder that has paid unemployment taxes or income taxes in this state during the 12 calendar months immediately preceding submission of the bid, has business address in this state, and has stated in the bid whether the bidder is a “resident bidder” ...

“Non-resident Bidder” means a bidder who is not a “resident bidder.”

1. CHECK ONE: Bidder is Resident Bidder
 Non-Resident Bidder

2. If a resident Bidder, enter your Oregon business address:

3. If a non-resident Bidder, enter state of residency:

Bidder certifies that the information provided above is true and accurate.

Signature: _____ Title: _____

Name (Print or Type): _____

Firm: _____

Telephone: _____ Date: _____

NON-COLLUSION AFFIDAVIT

****THIS MUST BE COMPLETED, SIGNED AND RETURNED****

FAILURE TO DO SO WILL RESULT IN BID REJECTION

We hereby certify that the bid submitted is genuine and not a sham or collusive bid, or made in the interest or on behalf of any person not therein named; and we further certify that that we have not directly or indirectly induced or solicited any bidder or suppliers to put in a sham bid, or any other person or corporation to refrain from bidding; and that we have not in any manner sought by collusion to secure our advantage over any other bidder or bidders.

We hereby agree to furnish to the City of Shady Cove, before commencing the work under this Contract, the certificates of insurance, as specified in these documents.

We hereby certify that we will represent and warrant all work done by our subcontractors and that the work will be done in good workmanlike manner under our direct supervision. We will notify the City of Shady Cove, prior to any subcontract work being done, and provide the name of the subcontractor or subcontractors to be used and the percentage of work that each subcontractor will perform.

Name of Firm _____

By: _____
(Authorized Signature)

Title: _____

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM

Instructions for First-Tier Subcontractors Disclosure

Bidders are required to disclose information about certain first-tier subcontractors when the contract value for a Public Improvement is greater than \$100,000.00 (see ORS 279C.370). Specifically, when the contract amount of the first-tier subcontractor (furnishing labor) is greater than or equal to: (i) 5% of the project bid, but at least \$15,000; or (ii) \$350,000 regardless of the percentage, you must separately disclose the following information about that Subcontractor Listing with two (2) hours of bid closing:

- a) The Subcontractor's name and address,
- b) The Subcontractor's Construction Contractor Board registration number, if one is required,
- c) Dollar amount of work.

If you will not be using any subcontractors that are subject to the above disclosure requirements, you are required to indicate "NONE" on the form.

THE CITY OF SHADY COVE MUST REJECT A BID IF A BIDDER FAILS TO SUBMIT THE DISCLOSURE FORM WITH THIS INFORMATION WITHIN TWO HOURS OF BID CLOSING. THE BIDDER MAY SUBMIT THE DISCLOSURE FORM WITHIN THE BID PACKET, BY SEPARATE ENVELOPE OR BY FACSIMILE.

To determine disclosure requirements, the Agency recommends that you disclose subcontract information for any subcontractor as follows:

- 1) Determine the lowest possible contract price. That price will be the base bid amount less all alternate deductive bid amounts (exclusive of any options that can only be exercised after contract award).
- 2) Provide the required disclosure information for any first-tier subcontractor whose potential contract services (i.e., subcontractor's base bid amount plus all alternate additive bid amounts, exclusive of any options that can only be exercised after contract award) are greater than or equal to: (i) 5% of the lowest contract price, but at least \$15,000, or (ii) \$350,000 regardless of the percentage. Total all possible work for each subcontractor in making this determination (e.g., if a subcontractor will provide \$15,000 worth of services on the base bid and \$40,000 on an additive alternate, then the potential amount of subcontractor's services is \$55,000. Assuming that \$55,000 exceeds 5% of the lowest contract price, provide the disclosure for both the \$15,000 services and the (\$40,000 services).
- 3) **Submission:** A Bidder shall submit the disclosure form required by this rule within two (2) working hours of Bid Closing in the manner specified in the Bid Documents.
- 4) **Responsiveness:** Compliance with the disclosure and submittal requirements of ORS 279C.370 is a matter of Responsiveness. Bids which are submitted by Bid Closing, but for which the separate disclosure submittal has not been made by the specified deadline, are nonresponsive and shall not be considered for Contract award. The Agency is not required to determine the accuracy or the completeness of the subcontractor disclosure.
- 5) **Substitution:** A contractor may substitute a first-tier subcontractor under the provisions or ORS 279C.585. A subcontractor may file a complaint under ORS 279C.590 based on the disclosure requirements.

The disclosure shall be submitted on the following form:

City of Shady Cove
FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM
 (As Required by ORS 279C.370 and OAR 137-049-360)
CLEVELAND STREET SCA IMPROVEMENTS
HIGHWAY 62 TO SLOAN'S WAY
PROJECT NO. S20-001
Bid Closing Date: March 30, 2022

SUBCONTRACTOR NAME & ADDRESS	CCB NUMBER	WORK TYPE	AMOUNT

If you will not be using any subcontractors that are subject to the above disclosure requirements, check **None** _____.

Contractor: _____
Signature: _____
Title: _____
Date: _____

COMPLIANCE STATEMENT

State of Oregon
Minimum Wage Provisions

If the proposed bid price will exceed \$50,000.00 the undersigned, as bidder, acknowledges that provisions of ORS 279C.800 – 279C.870 relating to workers on public works to be paid not less than prevailing rate of wage shall be included in the contract, or in the alternative, if the project is to be funded with federal funds and is subject to the Davis-Bacon Act (40 U.S.C. §276a) bidder agrees to comply with the Davis-Bacon Act requirements if awarded a Contract for:

Project Name: Cleveland Street SCA Improvements – Highway 62 to Sloan’s Way
 Project No.: S20-001
 Date of Opening: March 30, 2022
 Place of Opening: City Hall
 22451 Hwy. 62
 Shady Cove, Oregon 97539

Signature

By: _____

Title: _____

Date: _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, THAT _____
 hereinafter called Principal, and _____,
 a corporation duly organized under the laws of the State of _____,
 having a principal place of business at _____,
 in the State of _____ and authorized to do business in the State of Oregon, as Surety,
 are held and firmly bound unto the City of Shady Cove, Oregon, hereinafter called the Obligee, in
 the penal sum of _____ Dollars.(\$ _____).

For the payment of which well and truly made, we bind ourselves, our heirs, executors,
 administrators, successors and assigns, jointly and severally, firmly by these presents.

The condition of this Bond is such that, whereas, the Principal herein is herewith submitting a certain
 BID for the construction of Cleveland Street SCA Improvements – Highway 62 to Sloan’s Way -
 PROJECT No. S20-001.

Said BID, by reference thereto, being hereby made a part hereof.

NOW, THEREFORE, if the said BID submitted by the said Principal be accepted, and the Contract
 be awarded to said Principal, and if the said Principal shall execute the proposed Contract and shall
 furnish Performance Bond and Payment Bond proof of insurance as required by the Contract
 Documents within the time fixed by said Documents, then this obligation shall be void, otherwise to
 remain in full force and effect. If the Principal shall fail to execute the proposed Contract and
 furnish the Bonds and proof of insurance, the Surety hereby agrees to pay to the Obligee the penal
 sum as liquidated damages, within ten days of such failure.

The Surety, for value received, stipulates and agrees that the obligations of the Surety and its BOND
 shall be in no way impaired or affected by any extension of the time within which the Obligee may
 accept such BID; and the Surety waives notice of any such extension.

Signed this _____ day of _____, 2022

 Principal

By: _____

 Surety

By: _____
 Attorney-In-Fact

(A certified copy of the Agent’s Power-of-Attorney must be attached hereto.)

IMPORTANT – Surety companies executing BONDS must appear on the Treasury Department’s most current list
 (Circular 570 as amended) and be authorized to transact business in the State of Oregon.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned _____, as Principal, further referred to in this bond as Contractor, and _____, duly authorized to transact Surety business in the State of Oregon, as Surety, are jointly and severally held and firmly bound unto City of Shady Cove, as Obligee, further referred to in this bond as City, in the penal sum of _____ Dollars (\$ _____), for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Contractor herein has made and entered into a certain Contract, a copy of which is attached hereto, with City of Shady Cove, which Contract, together with the General Requirements, Specifications, applicable Plans, and schedule of Contract prices, is by this reference made a part hereof, under which Contract the Contractor agrees to furnish certain materials and to perform certain work consisting of:

**Construction of Cleveland Street SCA Improvements
Highway 62 To Sloan's Way
Project No. S20-001**

THE CONDITIONS OF THIS OBLIGATION IS SUCH THAT:

1. This Performance Bond shall guarantee the improvement against defects in materials or workmanship for a period of two (2) years from the date of written acceptance by City.
2. If Contractor faithfully performs the terms, conditions and provisions of the said Contract for the duration thereof, including the one year guarantee period, and shall well and truly and fully do and perform all matters and things undertaken to be performed under said Contract, upon the terms set forth therein and within the time prescribed therein, and in all respects performs said Contract according to law, then this obligation is null and void; otherwise it shall remain in full force and effect.
3. Contractor shall indemnify and save harmless City against any 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 said Contract by Contractor or his subcontractors.
4. If Contractor is declared by City to be in default under the Contract, the Surety shall promptly remedy the default, perform all of Contractor's obligations under the Contract in accordance with its terms and conditions and pay to City all damages that are due under the Contract.
5. This bond is subject to claims under ORS 279C.380 through 279C.390.
6. In no event shall the Surety be liable for a greater sum than the penalty of this bond.
7. The Surety, for the value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed hereunder or the specifications accompanying the same, shall in any way affect its obligations in this bond, and it does hereby waive notice of any such change, extension of

time, alteration or addition to the terms of the Contract, or to the work or to the Contract Documents.

8. Nonpayment of the bond premium shall not invalidate this bond.

IN WITNESS WHEREOF, the seal and signatures of the Contractor is hereto affixed and the corporate seal and name of said Surety is hereto affixed and attested by its duly authorized attorney-in-fact. The bond number and the name, address, and telephone number of the agent authorized to receive notices concerning this bond are as follows:

Bond Number: _____

Bond Agent: _____

Address: _____

Telephone: _____

SIGNED this _____ day of _____ 2022.

WITNESS:

CONTRACTOR: _____

By: _____

Title: _____

(Corporate Seal)

Legal Address: _____

Attest: _____

Corporate Secretary

WITNESS:

SURETY: _____

By: _____

Title: _____

(Corporate Seal)

Legal Address: _____

Attest: _____

Corporate Secretary

(The Attorney-In-Fact, who executes this bond in behalf of the Surety Company, must attach a certified copy of his Power-of-Attorney as evidence of this authority).

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS:

That the undersigned _____, as Principal, further referred to in this bond as Contractor, and _____, duly authorized to transact Surety business in the State of Oregon, as Surety, are jointly and severally held and firmly bound unto City of Shady Cove, as Obligee, further referred to in this bond as City, in the penal sum of _____ Dollars (\$ _____), for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the said Contractor herein has made and entered into a certain Contract, a copy of which is attached hereto, with City of Shady Cove, which Contract, together with the General Requirements, Specifications, applicable Plans, and schedule of Contract prices, is by this reference made a part hereof, under which Contract the Contractor agrees to furnish certain materials and to perform certain work consisting of:

**Construction of Cleveland Street SCA Improvements
Highway 62 To Sloan's Way
Project No. S20-001**

THE CONDITIONS OF THIS OBLIGATION IS SUCH THAT:

9. If Contractor faithfully performs the terms, conditions and provisions of the said Contract within the time prescribed therein, and makes payment promptly, as due, to all subcontractors, and all persons supplying to the Contractor and his subcontractors, (claimants, as defined in ORS 279C.600 through 279C.620), equipment, supplies, labor, or materials for the prosecution of the work, or any part thereof, provided for in said Contract; and shall pay all other just debts, dues, and demands incurred in the performance of the said Contract and shall pay City such damages as may accrue under said Contract, then this obligation is null and void; otherwise it shall remain in full force and effect.
10. Contractor shall indemnify and save harmless City against any 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 payment of the said Contract by Contractor or his subcontractors.
11. If Contractor is declared by City to be in default under the Contract, the Surety shall promptly remedy the default, perform all of Contractor's obligations under the Contract in accordance with its terms and conditions and pay to City all damages that are due under the Contract.
12. This bond is subject to claims under ORS 279C.380 through 279C.390.
13. In no event shall the Surety be liable for a greater sum than the penalty of this bond.
14. The Surety, for the value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract, or to the work to be performed hereunder or the specifications accompanying the same, shall in any way affect its obligations in this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract, or to the work or to the Contract Documents.
15. Nonpayment of the bond premium shall not invalidate this bond.

IN WITNESS WHEREOF, the seal and signatures of the Contractor is hereto affixed and the corporate seal and name of said Surety is hereto affixed and attested by its duly authorized attorney-in-fact. The bond number and the name, address, and telephone number of the agent authorized to receive notices concerning this bond are as follows:

Bond Number: _____

Bond Agent: _____

Address: _____

Telephone: _____

SIGNED this _____ day of _____ 2022.

WITNESS: CONTRACTOR: _____

By: _____

(Corporate Seal)

Title: _____

Legal Address: _____

Attest: _____

Corporate Secretary

WITNESS: SURETY: _____

By: _____

(Corporate Seal)

Title: _____

Legal Address: _____

Attest: _____

Corporate Secretary

(The Attorney-In-Fact, who executes this bond in behalf of the Surety Company, must attach a certified copy of his Power-of-Authority as evidence of this authority).

CERTIFICATIONS OF REPRESENTATION

Contractor, under penalty of perjury, certifies that:

(a) The number shown on this form is its correct taxpayer ID (or is waiting for the number to be issued to it; and

(b) Contractor is not subject to backup withholding because (i) it is exempt from backup withholding or (ii) it has not been notified by the Internal Revenue Service (IRS) that it is subject to backup withholding as a result of a failure to report all interest or dividends, or (iii) the IRS has notified it that it is no longer subject to backup withholding. Contractor further represents and warrants to City that (a) it has the power and authority to enter into and perform the work, (b) the Contract, when executed and delivered, shall be a valid and binding obligation of Contractor enforceable in accordance with its terms, and

(c) The work under the Contract shall be performed in accordance with the highest professional standards, and

(d) Contractor is qualified, professionally competent and duly licensed to perform the work. Contractor also certifies under penalty of perjury that its business is not in violation of any Oregon tax laws, and it is a corporation authorized to act on behalf of the entity designated above and authorized to do business in Oregon or is an independent contractor as defined in the contract documents, and has checked four or more of the following criteria:

_____ (1) I carry out the labor or services at a location separate from my residence or is in a specific portion of my residence, set aside as the location of the business.

_____ (2) Commercial advertising or business cards or a trade association membership are purchased for the business.

_____ (3) Telephone listing is used for the business separate from the personal residence listing.

_____ (4) Labor or services are performed only pursuant to written contracts.

_____ (5) Labor or services are performed for two or more different persons within a period of one year.

_____ (6) I assume financial responsibility for defective workmanship or for service not provided as evidenced by the ownership of performance bonds, warranties, errors and omission insurance or liability insurance relating to the labor or services to be provided.

Contractor

Date

Taxpayer ID No.

CITY OF SHADY COVE
CONTRACT FOR PUBLIC WORKS CONSTRUCTION

THIS CONTRACT, made and entered into, in duplicate, this ____ day of _____, 2022,
 by and between the City of Shady Cove, hereinafter called "City", and _____,
 hereinafter called "Contractor"

City and Contractor agree:

1. Contract Documents:

This contract is made as a result of an Advertisement for Bid issued by City for Construction of Cleveland Street SCA Improvements – Highway 62 To Sloan’s Way, Project No. S20-001. Contractor was awarded the bid as the lowest responsible bidder. In the event of any inconsistencies in the terms of this contract, the contract documents defined in the Advertisement for Bid and Contractor’s bid, this contract shall take precedence over the contract documents, which shall take precedence over the bid. This contract and attached exhibits constitute the entire agreement between the parties. No waiver, consent, or modification or change of terms of this contract shall bind either party unless in writing and signed by both parties. Such waiver, consent, modification or change, if made, shall be effective only in the specific instance and for the specific purpose given. There are no understandings, agreements, or representations, oral or written, not specified herein regarding this contract. Contractor, by signature of its authorized representative, hereby acknowledges that he/she has read this contract, understands it, and agrees to be bound by its terms and conditions.

2. Scope:

Contractor shall begin and complete the project described in the contract documents within the time prescribed in the contract documents. The following exceptions, alterations, or modifications to the contract documents are incorporated into this contract:

3. Price & Payment:

City shall pay Contractor amounts earned under the contract. All payments will be made at the times and in the manner provided in the contract documents.

4. Performance and Payment Bonds:

Contractor shall, within five days after execution of the contract and prior to doing any work under the contract, furnish bonds to the City of Shady Cove in a form and with a surety satisfactory to City in the penal sum of \$ _____ conditioned upon the faithful payment and performance of this contract upon the part of the Contractor as required by ORS 279C.380.

5. Indemnification:

Contractor agrees to defend, indemnify and save City, its officers, employees and agents harmless from any and all losses, claims, actions, costs, expenses, judgments, subrogations, or other damages resulting from injury to any person (including injury resulting in death,) or damage (including loss or destruction) to property, of whatsoever nature arising out of or incident to the performance of this contract by Contractor (including but not limited to, Contractor's employees, agents, and others designated by Contractor to perform work or services attendant to this contract.) Contractor shall not be held responsible for any losses, expenses, claims, subrogations, actions, costs, judgments, or other damages, directly, solely, and approximately caused by the negligence of City.

6. Insurance:

Contractor shall, at its own expense, at all times during the term of this agreement, maintain in force:

6.1 Commercial General Liability. Bodily injury and Property Damage, Premises and Operations, Products and Completed Operations, Contractual Liability, Personal and Advertising Injury, Independent Contractor's Liability, Owners Contractors Protective Liability, if applicable.

Coverage to be written on ISO Occurrence form CG 00 0101093 or a substitute form providing equivalent coverage. Coverage to be written on an occurrence basis.

The City of Shady Cove, its Council, officers and boards, employees, commissions agents, and volunteers shall be Named as Additional Insured with Respects to General Liability with the following limits of Liability Insurance. A provision that such insurance afforded by the policy for the benefit of the Additional Insured shall be Primary & Non-Contributory, including On-Going and Completed Operations to any insurance maintained by the Additional Insured. Waiver of Subrogation and Per Project Aggregate shall be included.

Limits of Liability:	\$4,000,000 General Aggregate
	\$4,000,000 Products-Completed Operations Aggregate
	\$2,000,000 Each Occurrence

6.2 Worker's Compensation. Worker's compensation insurance in compliance with ORS 656.017, which requires subject employers to provide Oregon workers' compensation coverage for all their subject workers.

Employer Liability Limits:	\$500,000 Each Accident
	\$500,000 Employee – Disease
	\$500,000 Policy Limit - Disease

6.3 Automobile Liability. Automobile liability insurance with a combined single limit, or the equivalent, of not less than \$1,000,000 for each accident for Bodily Injury and Property Damage, including coverage for owned, hired or non-owned vehicles, as applicable.

6.4 Commercial Umbrella Liability.

Limits of Liability:	\$2,000,000 Per Occurrence
	\$2,000,000 Aggregate

Contractor shall submit certificates of insurance acceptable to the City with the signed contract prior to the commencement of any work under this agreement. These certificates shall contain provision that coverage afforded under the policies cannot be canceled and restrictive modifications cannot be made until at least 30 days prior written notice has been given to City. Insuring companies or entities are subject to the City's acceptance. If requested, complete copies of insurance policies; trust agreements, etc. shall be provided to the City. The Contractor shall be financially responsible for all pertinent deductibles, self-insured retentions and/or self-insurance.

7. Compliance with Law:

7.1. This contract will be governed by and construed in accordance with laws of the State of Oregon. Contractor shall promptly observe and comply with all present and future laws, orders, regulations, rules and ordinances of federal, state, City and city governments with respect to the services including, but not limited to, provisions of ORS 279C.505, 279C.515, 279C.520 and 279C.530.

7.2. Pursuant to ORS 279C.520(2) any person employed by Contractor who performs work under this contract shall be paid at least time and a half pay for all overtime in excess of 40 hours in any one week, except for persons who are excluded or exempt from overtime pay under ORS 653.010 to 653.261 or under 29 U.S.C. Sections 201 to 209.

7.3. Contractor is a "subject employer" as defined in ORS 656.005 and shall comply with ORS 656.017. Prior to commencing any work, Contractor shall certify to City that Contractor has workers' compensation coverage required by ORS Chapter 656. If Contractor is a carrier insured employer, Contractor shall provide City with a certificate of insurance. If Contractor is a self-insured employer, Contractor shall provide City with a certification from the Oregon Department of Insurance and Finance as evidence of Contractor's status.

7.4. Any claim, action, suit or proceeding (collectively, "the claim") between the City (and/or any other or department of the State of Oregon) and the Contractor that arises from or relates to this contract shall be brought and conducted solely and exclusively within the Circuit Court of Jackson County for the State of Oregon. If, however, the claim must be brought in a federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon filed in Jackson County, Oregon. Contractor, by signature herein of its authorized representative, hereby consents to the *in personam* jurisdiction of said courts. In no event shall this section be construed as a waiver by City of any form of defense or immunity, based on the Eleventh Amendment to the United States Constitution, or otherwise, from any claim or from the jurisdiction.

8. Default: A default shall occur under any of the following circumstances:

8.1 If the Contractor fails to begin the work under contract within the time specified, or fails to perform the work with sufficient workers or equipment or with sufficient materials to insure the prompt completion of the project, or shall neglect or refuse to remove materials or perform anew such work as shall be rejected as defective or unsuitable, or shall discontinue the prosecution of the work.

8.2 If the Contractor shall become insolvent or declared bankrupt, or commit any act of bankruptcy or insolvency, or allow any final judgment to stand against the Contractor unsatisfied for a period of forty-eight (48) hours, or shall make an assignment for the benefit of creditors.

8.3 From any other cause whatsoever, shall not carry on the work in an acceptable manner.

8.4 Contractor commits any material breach or default of any covenant, warranty, certification, or obligation it owes under the Contract;

8.5 Contractor loses its QRF status pursuant to the QRF Rules or loses any license, certificate or certification that it required to perform the Services or to qualify as a QRF;

8.6 Contractor attempts to assign rights in, or delegate duties under the Contract.

9. Remedies:

In addition to the rights and remedies to which the City may be entitled by law for the enforcement of its rights under this contract, City shall have full power and authority, without violating this

contract, to take prosecution of the work from the Contractor, and appropriate or use any or all of the materials and equipment on the ground that may be suitable and acceptable and may cause a contract for the completion of this contract according to its terms and provisions, or use such methods as required for the completion of the contract, in any acceptable manner. All costs and charges incurred by the City together with the costs of completing the work under the Contract shall be deducted from any money due or which shall become due the Contractor. In case the expense so incurred by the City shall be less than the sum which would have been payable under the contract if it had been completed by the Contractor, then the Contractor shall be entitled to received the difference less any damages for delay to which the City may be entitled. In case such expense shall exceed the sum, which would have been payable under the contract, the Contractor and the surety shall be liable and agree to and shall pay the City the amount of the excess with damages for delay of performance, if any.

10. Termination:

10.1 Mutual consent. This contract may be terminated at any time by mutual consent of both parties.

10.2 City's Convenience. This contract may be terminated at any time by City upon 30 days' notice in writing and delivered by certified mail or in person.

10.3 For Cause. City may terminate or modify this contract, in whole or in part, effective upon delivery of written notice to Contractor, or at such later date as may be established by City under any of the following conditions:

a. If City funding from federal, state, county, or other sources is not obtained and continued at levels sufficient to allow for the purchase of the indicated quantity of services;

b. If federal or state regulations or guidelines are modified, changed or interpreted in such a way that the services are no longer allowable or appropriate for purchase under this contract or are no longer eligible for the funding proposed for payments authorized by this contract; or

c. If any license or certificate required by law or regulation to be held by Contractor to provide the services required by this contract for any reason denied, revoked, suspended, or not renewed.

10.4 For Default or Breach.

a. Either City or Contractor may terminate this contract in the event of a breach of the contract by the other. Prior to such termination the party seeking termination shall give to the other party written notice of the breach and intent to terminate. If the party committing the breach has not entirely cured the breach within 15 days of the date of the notice, or within such other period as the party giving notice may authorize or require, then the contract may be terminated at any time thereafter by a written notice of termination by the party giving notice.

- b. Time is of the essence for Contractor's performance of each and every obligation and duty under this contract. City by written notice to Contractor of default or breach, may at any time terminate the whole or any part of this contract if Contractor fails to provide services called for by this contract within the time specified herein or in any extension thereof.
- c. The rights and remedies of City provided in this subsection (10.4) are not exclusive and are in addition to any other rights and remedies provided by law or under this contract.

10.5 Obligation/Liability of Parties:

Termination or modification of this contract pursuant to subsections 10.1, 10.2, 10.3 and 10.4 above shall be without prejudice to any obligations or liabilities or either party already accrued prior to such termination or modification. However, upon receiving a notice of termination (regardless whether such notice is given pursuant to subsections 10.1, 10.2, 10.3 and 10.4 of this section, Contractor shall immediately cease all activities under this contract, unless expressly directed otherwise by City in notice of termination. Further, upon termination, Contractor shall deliver to City all contract documents, information, works-in-progress and other property that are or would be deliverables had the contract been completed. City shall pay Contractor for work performed prior to the termination date if such work was performed in accordance with the Contract.

11. Funds Available and Authorized:

City has sufficient funds currently available and authorized for expenditure to finance the costs of this contract within the City's fiscal year budget. Contractor understands and agrees that City's payment of amounts under this contract attributable to work performed after the last day of the current fiscal year is contingent on City appropriations, or other expenditure authority sufficient to allow City in the exercise of its reasonable administrative discretion, to continue to make payments under this contract. In the event City has insufficient appropriations, limitations or other expenditure authority, City may terminate this contract without penalty or liability to City, effective upon the delivery of written notice to Contractor, with no further liability to Contractor.

12. Prevailing Wage Rates: The Contractor shall fully comply with the provisions of ORS 279C.800 through 279C.870 pertaining to prevailing wage rates.

13. Assignment and Subcontracts:

Contractor shall not assign this contract without the written consent of City. Any attempted assignment without written consent of City shall be void. Contractor shall be fully responsible for the acts or omissions of any assigns or subcontractors and of all persons employed by them, and the approval by City of any assignment or subcontract shall not create any contractual relation between the assignee or subcontractor and City. Contractor may not substitute any subcontractors from the submitted list of First-Tier Subcontractor Disclosure Form without written consent of the City, or by following the procedures of ORS 279C.585 and OAR 137-049-0360.

14. Governing Law; Jurisdiction; Venue:

This contract shall be governed and construed in accordance with the laws of the State of Oregon without resort to any jurisdiction's conflict of laws, rules or doctrines. Any claim, action, suit or proceeding (collectively, "the claim") between the City (and/or any other or department of the State of Oregon) and the Contractor that arises from or relates to this contract shall be brought and conducted solely and exclusively within the Circuit Court of Jackson County for the State of Oregon. If, however, the claim must be brought in a federal forum, then it shall be brought and conducted solely and exclusively within the United States District Court for the District of Oregon filed in Jackson County, Oregon. Contractor, by the signature herein of its authorized representative, hereby consents to the *in personam* jurisdiction of said courts. In no event shall this section be construed as a waiver by City of any form of defense or immunity, based on the Eleventh Amendment to the United States Constitution, or otherwise, from any claim or from the jurisdiction.

15. **MERGER CLAUSE:** THIS CONTRACT AND ATTACHED EXHIBITS CONSTITUTE THE ENTIRE AGREEMENT BETWEEN THE PARTIES. NO WAIVER, CONSENT, MODIFICATION OR CHANGE OF TERMS OF THIS CONTRACT SHALL BIND EITHER PARTY UNLESS IN WRITING AND SIGNED BY BOTH PARTIES. SUCH WAIVER, CONSENT, MODIFICATION OR CHANGE, IF MADE, SHALL BE EFFECTIVE ONLY IN THE SPECIFIC INSTANCE AND FOR THE SPECIFIC PURPOSE GIVEN. THERE ARE NO UNDERSTANDINGS, AGREEMENTS, OR REPRESENTATIONS, ORAL OR WRITTEN, NOT SPECIFIED HEREIN REGARDING THIS CONTRACT. CONTRACTOR, BY SIGNATURE OF ITS AUTHORIZED REPRESENTATIVE, HEREBY ACKNOWLEDGES THAT HE/SHE HAS READ THIS CONTRACT, UNDERSTANDS IT, AND AGREES TO BE BOUND BY ITS TERMS AND CONDITIONS.

16. Warranty:

The Contractor shall guarantee the improvement against defects in materials or workmanship for a period of two (2) years from the date of Second Notification by the City of Shady Cove.

17. Liquidated Damages: In the event that the Contractor shall fail to complete the work within the time limit or the extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid according to Section 00180.85 of the Standard Specifications.

18. Prior Approval Required: Approval of the City of Shady Cove Council or Public Contracting Officer is required before any work may begin under this contract.

CONTRACTOR

CITY OF SHADY COVE

By: _____
Signature

By: _____

Printed Name

Its: _____

GENERAL REQUIREMENTS

**SEE - "2021 OREGON STANDARD
SPECIFICATIONS FOR CONSTRUCTION"**

SPECIAL SPECIFICATIONS AND PROVISIONS

FOR

CLEVELAND STREET SCA IMPROVEMENTS HIGHWAY 62 TO SLOAN'S WAY

PROJECT NO. S20-001

The requirements for contract work are contained in the “**OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2021**” Oregon Department of Transportation/ Oregon Chapter APWA. All work performed under this contract shall conform to the Standard Specifications supplemented and/or modified as follows:

1. Street Sign Relocations, Bid Item 8, may use existing posts, if in good condition and install “similar to” TM670 or Contractor may choose to use perforated steel square tube posts and install per TM681 and TM687.
2. Remove and Relocate Existing Church Sign, Bid Item 9. Contractor shall use existing steel post, if possible, or supply new steel post and install in concrete footing to depth and diameter as existing. Contractor may elect to use existing sign and install new post that is approved by the Engineer.
3. The pay item for Erosion Control, Bid Item 3, includes all erosion and sediment control measures, as outlined on plan sheet C7 and required to eliminate “track out”.
4. The pay item for Clearing and Grubbing, Bid Item 10, includes removing trees and stumps, grass sod and organic materials, roots and trimming tree branches to 7’ clear above the finished surface of the concrete walks and 14’ above street improvements.
5. The pay item for Temporary Work Zone Traffic Control, Bid Item 2, may require a Traffic Control Plan and Permit from ODOT for all items within the Highway 62 right-of-way.
6. All concrete walks and driveways shall have light broom finish, perpendicular to the street. The sidewalks and driveways shall have control joints at approximately 5’ spacing.
7. Where Standard Details do NOT exactly match the work required in the field, Contractor may use a combination of Standard Details or provide work or materials “similar to” Standard Details to complete the work, with approval from the Engineer. Bid Items designated as EA (each) or LS (lump sum) shall include ALL labor and materials required to complete the work.
8. Contractor shall use clean, non-organic excavated materials from site for needed embankment. Embankment areas shall be properly stepped prior to embankment placement. Excess excavated material shall be removed from site.

PART 00100 – GENERAL CONDITIONS

SECTION 00110 – Organization, Conventions, Abbreviations, and Definitions

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

00110.20 Definitions –Substitute the following:

Bid Booklet – The official version that is obtained directly from KAS & Associates, Inc. at 304 South Holly Street, Medford, Oregon 97501 for a non-refundable fee, as specified in the Advertisement. The Bid Booklet and Plans may be reviewed at KAS & Associates, Inc. or at other possible locations without charge.

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 –Substitute the following:

All Contractors shall comply with all laws of Oregon pertaining to the qualification of bidders and shall be prequalified by either the Oregon Department of Transportation (ODOT), City of Medford or Jackson County in the Class or Classes of Work required by the Contract. The Contractor shall provide evidence of prequalification to the Engineer at least five days before the published opening of bids.

00120.01 General Bidding Requirements – Substitute the following:

Bidders may submit Bids by paper only from a Bid Booklet obtained directly from KAS & Associates, Inc. at 304 South Holly Street, Medford, Oregon 97501 for a non-refundable fee, as specified in the Advertisement.

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

Bidders must obtain the plans and specifications (Solicitation Documents) from the office of KAS & Associates, Inc., 304 South Holly Street, Medford, Oregon 97501; (541) 772-5807, between 8 a.m. and 4:00 p.m., Monday through Thursday. Each request must include both the name of the person ordering or obtaining the Solicitation Documents, and the name of the Entity intending to use them. The Agency will add the name of the Entity intending to use the Solicitation Documents to the list of Holders of Bidding Plans. Bidders are cautioned that only Solicitation Documents obtained from KAS & Associates, Inc. may be used to submit bids.

Informational Plans and Specifications (not for bidding) are available at KAS & Associates, Inc. and copies of the Oregon Standard Specifications may be purchased at the ODOT Procurement Office – Construction, Contractor Plans, 455 Airport Road SE, Building K, Salem, Oregon 97301-5348; (telephone 503-986-6936). The Standard Specifications may also be downloaded from the ODOT's web site:

http://www.oregon.gov/ODOT/HWY/SPECS/standard_specifications.shtml

00120.15 Examination of Work Site and Solicitation Documents; Consideration of Conditions to be Encountered – Add the following paragraphs:

Requests for clarifications specified above should go to:

Scott D. Pingle, P.E., S.E.
 KAS & Associates, Inc.
 304 South Holly Street
 Medford, OR 97501
 (541) 772-5807
scott@kasinc.com

00120.30 Changes to Plans, Specifications, or Quantities before Opening of Bids – Substitute the following: The Agency reserves the right to issue Addenda making changes or corrections to the Plans, Specifications, or Quantities. The Agency will provide Addenda to Bidders by email or physical copies as soon as available.

Bidders shall be responsible for checking with the Agency for Addenda. Bidders should check with Agency weekly until the week of the Bid Closing and daily the week of Bid Closing.

Bidders, not the Agency, shall be responsible for failure of Bidders to check for Addenda. Bids shall incorporate all Addenda. Bids may be rejected if opened and found by the Agency to not be based on all Addenda issued before Bid Closing.

00120.40 Preparation of Bid – Bids not in compliance with the requirements of this Subsection will be considered non-responsive. Substitute the following:

00120.40 (a) General – Bidders shall not alter, in any manner, the documents bound within the Bid Section. Bidders shall complete the certifications and statements included in the Bid Section of the Bid Booklet according to the instructions. Signature of the Bidder's authorized representative thereon constitutes the Bidder's confirmation of an agreement to all certifications and statements contained in the booklet. Entries on documents in the Bid Section shall be in ink or typed. Signatures and initials shall be in ink.

The bidder shall properly complete and bind all documents in the Bid Section, as designated in 00120.10, between the front and back covers of the Bid Booklet, except that the Bid Bond is not required if another permissible type of Bid guaranty is provided (See 00120.40(e)).

00120.40 (c) Bid Schedule Entries - Using figures, Bidders shall fill in all blank spaces in the Bid Schedule. For each item in the Bid Schedule, Bidders shall enter the unit price and the product of the unit price multiplied by the quantity given. The unit price shall be greater than zero, shall contain no more than two decimals, and shall be expressed in U.S. dollars and cents (for example, \$150.25 or \$0.37). Bidders shall also enter the total amount of the Bid obtained by adding amounts for all items in the Bid Schedule. Corrections or changes of item entries shall be in ink, with incorrect entry lined out, correct entry entered and initialed.

00120.40 (d) Bidder's Address and Signature Pages – Bidders shall include in the Bid the Address to which all communications concerning the Bid and Contract should be sent. The bid must be signed by a duly authorized representative of the Bidder.

00120.40 (e) Bid Guaranty – All Bids must be accompanied by a Bid Guaranty in the amount of 10% of the total amount of the Bid. The guaranty shall be either a Surety bond, irrevocable letter of credit issued by an insured institution as defined in ORS 706.008 or security in the form of a cashier's check or certified check made payable to the Agency. (see ORS 279C.365 (4))

If a Surety bond is submitted, Bidders shall use the Agency's standard Bid Bond form included with the Bid Booklet. Bidders shall submit the bond with original signatures and the Surety's seal affixed.

Acceptable Surety companies are limited to those authorized to do business in the State of Oregon.

Forfeiture of Bid guaranties is covered by 00130.60 and return of guaranties is covered by 00130.70.

00120.40 (f) Disclosure of First-Tier Subcontractors – Delete the end of the section starting with “The Subcontractor Disclosure Form may be submitted for a paper Bid (see 00120.05(b)(1)) by:” and substitute the following:

The Subcontractor Disclosure Form may be submitted either:

- By filling out the Subcontractor Disclosure Form included in the Bid Booklet and submitting it together with the Bid at the time and place designated for receipt of Bids,
- By removing it from the Bid Booklet, filling it out and submitting it separately to the Agency at the address or Fax number given in the Bid Booklet.

Subcontractor Disclosure Forms submitted by any method will be considered late if not received by the Agency within two working hours of the time designated for receiving Bids.

The Agency is not responsible for partial, failed, illegible or partially legible submittals, and such forms may be rejected as incomplete.

In the event that multiple Subcontractor Disclosure Forms are submitted, the last version received prior to the deadline will be considered to be the intended version.

Bids not in compliance with the requirements of the Subsection will be considered non-responsive.

00120.40 (g) Disclosure of Conflict of Interest – Delete this Section and substitute the following:

The Agency does **NOT** require any Conflict of Interest Disclosure Forms.

00120.45 Submittal of Bids – Bids may be submitted by mail, parcel delivery service or hand delivery to the Agency at the address and time given in the Bid Booklet. Submit Bids in a sealed envelope marked with the word “Bid”, the name of the Project, and the words “To Be Opened Only by Authorized Personnel” on the outside. If a delivery or courier service is used, the Bidder shall place the sealed envelope containing the Bid inside the delivery or courier service's envelope.

Bids submitted after the time set for receiving Bids will not be opened or considered. The Agency assumes no responsibility for the receipt and return of late Bids.

Closing time for acceptance of Bids is 2:00 p.m. local time on the day of Bid Opening.

00120.50 Submitting Bids for More than One Contract – Section deleted.

00120.60 Revision or Withdrawal of Bids – Substitute the following:

Information entered into the Bid Booklet by the Bidder may be changed after the Bid has been delivered to Agency's address given in the Bid Booklet, provided that:

- Changes are prepared according to the instructions identified in the Bid Booklet;
- Changes are received at the same offices, addresses, and times identified in the Bid Booklet for submitting Bids; and
- The changes are submitted in writing or by electronic transmission to the number(s) given in the Bid Booklet, signed by an individual authorized to sign the Bid. Electronic submittals received by the Agency shall constitute an original document.

A Bidder may withdraw its Bid after it has been delivered to Agency's address given in the Bid Booklet, provided that:

- The written withdrawal request is submitted on the Bidder's letterhead, either in person or by electronic transmission;
- The request is signed by an individual who is authorized to sign the Bid, and proof of authorization to sign the Bid accompanies the withdrawal request; and
- The request is received at the same offices, addresses, and times identified in the Bid Booklet for submitting Bids.

00120.70 Rejection of Nonresponsive Bids – Substitute the following:

A Bid will be considered irregular and will be rejected if the irregularity is deemed by the Agency to render the Bid non-responsive. Examples of irregularities include without limitation:

- The Bid Section documents provided are not properly used or contain unauthorized alterations.
- The Bid is incomplete or incorrectly completed.
- The Bid contains improper additions, deletions, alternate Bids, or conditions.
- The Bid or Bid modifications are not signed by a person authorized to submit Bids or modify Bids, as required by 00120.01.
- The Bid is submitted on documents not obtained directly from KAS & Associates, Inc., or is submitted by a Bidder who has not been identified by the Agency as a Holder of Bidding Plans, as required by 00120.05.
- A member of a joint venture and the joint venture submit Bids for the same Project. Both Bids may be rejected.
- The Bid has entries not typed or in ink or has signatures or initials not in ink (save for changes received electronically as provided by 00120.60).
- Each change or correction is not individually initialed.
- White-out tape or white-out liquid is used to correct item entries.
- The price per unit cannot be determined.
- The Bid guaranty is insufficient or improper.
- The original Bid Bond form is not used or is altered.
- The Oregon Construction Contractors Board registration number and expiration date are not shown on the Bid if required in the Solicitation Document.
- A disclosure of first-tier Subcontractors, if required under 00120.40(f), is not received within two working hours of the time Bids are due to be submitted, or the disclosure form is not complete.
- The Bidder has not complied with the DBE requirements of the solicitation.
- The Bid does not acknowledge all issued Addenda.
- The Bid contains entries that are not greater than zero.
- The Bid contains entries with more than two decimals to the right of the decimal point.
- The Bid entries are not expressed in U.S. dollars and cents.
- The Bidder has not submitted required Conflict of Interest Disclosure Form(s), if any, (See 00120.40(g).)

SECTION 00130 – Award and Execution of Contract

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

00130.10 Award of Contract – Substitute the following for the fourth paragraph:

The Agency will provide Notice of Intent to Award to all Holders of Bidding Plans via the email addresses provided by the bidder, or as otherwise established by the Agency.

00130.15 Right to Protest Award – Substitute the following:

Adversely affected or aggrieved Bidders, limited to the three apparent lowest Bidders and any other Bidder directly in line for Contract Award, may submit to the Agency a written protest of the Agency's intent to Award within three working days following posting of the Notice of Intent to Award. The protest shall specify the grounds upon which it is based.

The Agency is not obligated to consider late protests.

00130.50 Execution of Contract and Bonds - Substitute the following:

00130.50 (a) By the Bidder - Substitute the following for the first paragraph:

The successful Bidder shall deliver the required number of Contract Documents, with the properly executed Contract, Performance Bond, Payment Bond, certification of workers' compensation coverage, and the required certificates of insurance, to the Agency within 15 Calendar Days after the date on which the Contract Documents are sent or otherwise conveyed to the Bidder under 00130.10. The Bidder shall return the originals of all documents received from the Agency and named in this Subsection, with original signatures. Certificates of insurance shall also be originals. No copies of these documents will be accepted by the Agency.

00130.50 (b) By the Agency - Substitute the following:

Within seven Calendar Days after the Agency has received and verified the properly executed documents specified in 00130.50(a) and received legal sufficiency approval from the Agency's Attorney (if required), the Agency will execute the Contract. The Agency will then send a fully-executed original Contract booklet to the successful Bidder, who then officially becomes the Contractor.

SECTION 00140 – Scope of Work

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

00140.50 Environmental Pollution Changes - Delete the second paragraph in its entirety.

00140.90 Final Trimming and Cleanup – add the following bulleted items to this subsection:

- Repair and restore soil grades and re-seed any damaged or settled areas, at the Contractor's expense.
- Where private property(s) will be affected by construction but cannot realistically be restored to its pre-existing condition before the contractor will leave the site, agreement shall be reached with the owners of the property(s) regarding how the site shall be left and the Engineer shall review the agreement before the excavation or other work begins.

- Review clean-up of areas adjacent to private property with owners or owner's agents, grade non-landscaped shoulders, park rows, or unsightly areas caused by the construction to a smooth condition free of sudden transitions, piles, or trip hazards, unless specific objections are raised by the property owner or owner's agent. If objections are raised, contact the Engineer to inspect site and provide direction. Do not negatively impact trees or other adjacent plants. Notify affected owners and occupants of adjacent properties of completion of clean-up prior to leaving the site. Verify that no other clean-up work remains.

SECTION 00150 – Control of Work

Comply with Section 00150 of the Standard Specifications supplemented and/or modified as follows:

00150.15 Construction Stakes, Lines, and Grades:

00150.15 (a) General – The Contractor shall perform no Work until a pre-construction meeting with the Engineer and the Inspector has been held to establish and verify field control. Work performed without field controls will be subject to removal at the Contractor's expense.

00150.50 Cooperation with Utilities - Replace subsection (b) with the following:

The Agency has not made arrangements for planned Adjustments of Utilities. The Contractor shall meet with affected Utility Company representatives on a weekly basis or as requested to coordinate utility relocation efforts. The Plans will not normally show the anticipated new location of Utilities that have been or will be adjusted. The Contractor is advised that the requirements of Subsection 00150.50 (c), (d) and (e) still apply to work done under this contract.

00150.75 Protection and Maintenance of Work During Construction – Add the following paragraph:

The Contractor shall clean and/or maintain existing streets, buildings, sidewalks, and other adjacent private improvements that are outside the work limits of this project if dirtied or damaged by construction activities. There will be no separate or added payment for this work.

00150.97 Responsibility for Materials and Workmanship – Add the following subsection:

(d) Neither the final certificate of payment nor any provision in the Contract Documents shall relieve the Contractor of responsibility for faulty materials or workmanship and, unless otherwise specified, the Contractor shall remedy any defects due thereto and pay for any damage to other work within the warranty period, as specified in the Contract. The Agency shall give notice of observed defects with reasonable promptness.

SECTION 00160 – Source of Materials

Comply with Section 00160 of the Standard Specifications.

SECTION 00165 – Quality of Materials

Comply with Section 00165 of the Standard Specifications supplemented and/or modified as follows:

00165.00 General – Add the following:

References to ODOT specifications, test methods and reporting requirements shall apply to all materials and workmanship incorporated into this project, unless otherwise excluded under the Section and/or subsection for that work item.

The Contractor is responsible to provide all testing and meet all ODOT Quality Control and Acceptance requirements through the use of an independent testing agency.

SECTION 00170 – Legal Relations and Responsibilities

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

00170.03 Furnishing Right-of-Way and Permits - Add the following bullet points to this subsection:

- Notify all adjacent property owners, occupants, other utility companies, and organizations operating underground facilities in the area at the time of the permit application. Provide adequate prior notice (min 24 hours or as required) to allow those impacted by the work to adjust their schedules and patterns accordingly.
- Coordinate & adjust work as required to accommodate requests for shared trenching, common excavation, or coordination of layout and saw-cutting when requested by concurrent construction projects and utility facility operators. Notifications can be accomplished by mail, telephone conversation, door hangers, or door-to-door visit.

Provide the following information in the notifications and update if the information provided changes:

- Who will be doing the work & for whom (name and 24 hr phone number of contractor or permit holder).
- What the project will consist of (e.g. excavation, patching, flatwork, etc),
- Where the work will be done (in the public way and/or on private property),
- When construction will begin and end (dates and time of day if outside normal working hours)

00170.85 Responsibility for Defective Work – Modify (2) **General Warranty for Local Agency Projects** paragraph two as follows:

The Contractor shall warrant all Work and workmanship, including Changed Work, Additional Work, Incidental Work, On-Site Work, and Extra Work, and Materials and Equipment incorporated in the Work, for the Warranty period stated in the Contract, from the date of Second Notification, except that warranties according to 00170.85(b)(1) and manufacturer’s warranties and extended warranties according to 00170.385(c) shall not be abridged.

SECTION 00180 – Prosecution and Progress

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

00180.41 Project Work Schedules – Modify paragraph three as follows:

One of the following Type “A”, “B”, or “C” schedules will be required under the Contract. The type of schedule shall depend upon the complexity and duration of the project and shall be approved by the Engineer. A two-week revolving progress schedule and/or weekly progress meetings will also be implemented if found necessary by the Engineer.

SECTION 00190 – Measurement of Pay Quantities

Comply with Section 00190 of the Standard Specifications.

SECTION 00195 – Payment

Comply with Section 00195 of the Standard Specifications supplemented and/or modified as follows:

00195.50 (c) Forms of Retainage - Replace this subsection with the following:

00195.50 (c) Forms of Retainage – The only acceptable form of Retainage is Cash, Alternate A as described below in subsection (1).

(1) Cash, Alternate A - Retainage will be deducted from progress payments and held by the Agency until final payment is made in accordance with 00195.90, unless otherwise specified in the Contract.

SECTION 00196 – Payment for Extra Work

Comply with Section 00196 of the Standard Specifications.

SECTION 00197 – Payment for Force Account Work

Comply with Section 00197 of the Standard Specifications.

SECTION 00199 – Disagreements, Protests and Claims

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

00199.40 (a) Decision by the Engineer - Replace paragraph three, four and five as follows:

The Engineer will advise the Contractor of the decision to accept or deny the claim, and the reasons for any full or partial denial of the claim, within 30 Calendar Days of receipt of the Contractor's claim, or the receipt of requested additional information or documentation regarding the claim, whichever is later, unless the Engineer and Contractor have agreed upon a longer response time. If the Contractor does not accept the Engineer's decision, the Contractor may, within 10 Calendar Days of receipt of the written decision, request in writing that the Engineer arrange a review at Step 2 (See (c) below).

00199.40 (b) Step 1: Region Level Review – Delete this subsection.

00199.40 (c) Step 2: Agency Level Review – Replace this subsection as follows:

The Contractor shall request a meeting with the Agency to present the claim for final Agency review. The presentation will take place within 21 Calendar Days of the Agency's receipt of the Contractor's written request, or as otherwise agreed by the parties.

If the Agency determines that the Contractor must furnish additional information or documentation to allow proper analysis of the claim, the Agency 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 or documentation.

The Agency will provide a written decision to the Contractor within 30 Calendar Days of the final Step 2 meeting.

If the Contractor does not accept the Step 2 decision, the Contractor may, within 10 Calendar Days of receipt of the written decision, request in writing through the Engineer that the claim be advanced to Step 3 or 4 (See (d) and (e) below), as applicable.

00199.40 (d) Step 3: Arbitration; Claims Review Board – Delete this subsection.

00199.40 (e) Step 4: Litigation – Delete the second and third bullet point.

STANDARD SPECIFICATIONS

**SEE - "2021 OREGON STANDARD
SPECIFICATIONS FOR CONSTRUCTION"**

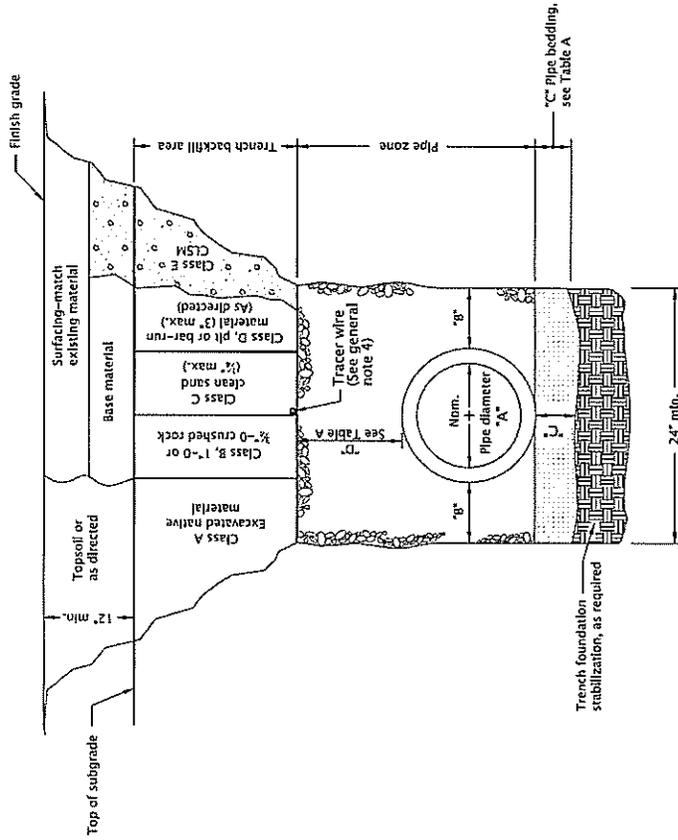
STANDARD DRAWINGS

SEE - "OREGON STANDARD DRAWINGS", INCLUDED

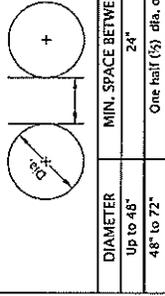
TABLE A

"A" (in)	"B" (in)	"C" (in)	"D" (in)
4	10	4	8
6	10	4	8
8	10	6	10
10	10	6	10
12	12	6	10
15	12	6	10
18	16	6	12
21	16	6	12
30	18	6	12
24	18	6	12
36	24	6	14
42	24	6	14
48	24	6	14
54	24	6	14
60	24	6	14
66	24	6	14
72	24	6	14

For pipes over 72" diameter, see general note 3.



MULTIPLE INSTALLATIONS



DIAMETER	MIN. SPACE BETWEEN PIPES
Up to 48"	24"
48" to 72"	One half (1/2) dia. of pipe

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Surfacing of paved areas shall comply with street cut Std. Dwg. RD302.
2. For pipe installation in embankment areas where the trench method will not be used and the pipe is $\geq 36"$ diameter, increase dimension "B" to nominal pipe diameter.
3. Pipes over 72" diameter are structures, and are not applicable to this drawing.
4. See Std. Dwg. RD336 for tracer wire details (When required).

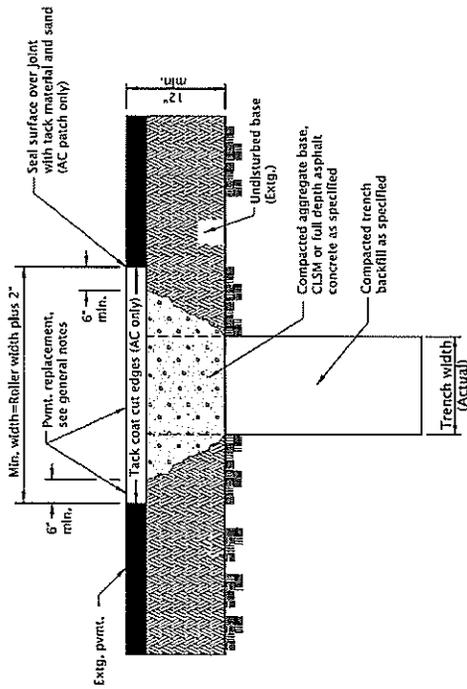
CALC. BOOK NO. --- N/A --- SDR DATE --- 14-JUL-2014 ---
 NOTE: All materials and workmanship shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS
 TRENCH BACKFILL, BEDDING,
 PIPE ZONE AND MULTIPLE
 INSTALLATIONS

DATE	2021
REVISION DESCRIPTION	

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 consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

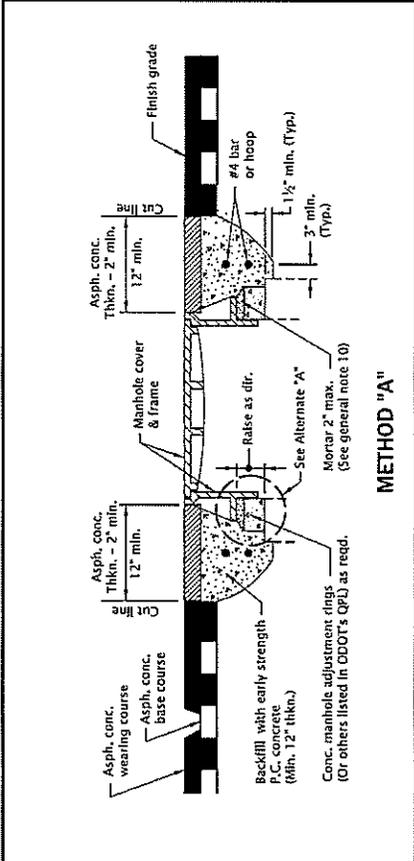
1. All existing AC or PCC pavement shall be sawcut prior to repaving.
2. Concrete pavement shall be replaced with concrete to a minimum thickness of 8" or to the thickness of removed pavement, whichever is greater.
3. For joining new concrete to existing concrete, see contract plans for sepecific details.
4. Place AC min. minimum thkn. of 6" or the thkn. of the removed pavement, whichever is greater. Compact as specified.

CALC. BOOK NO.	N/A	SDR DATE	20-JUL-2020
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications			
OREGON STANDARD DRAWINGS			
STREET CUT			
DATE	2021	KEYWORD	DESCRIPTION

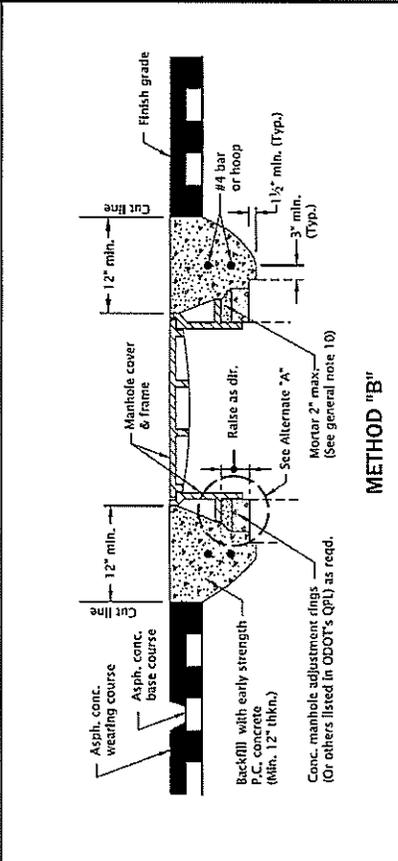
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 – May 31, 2022

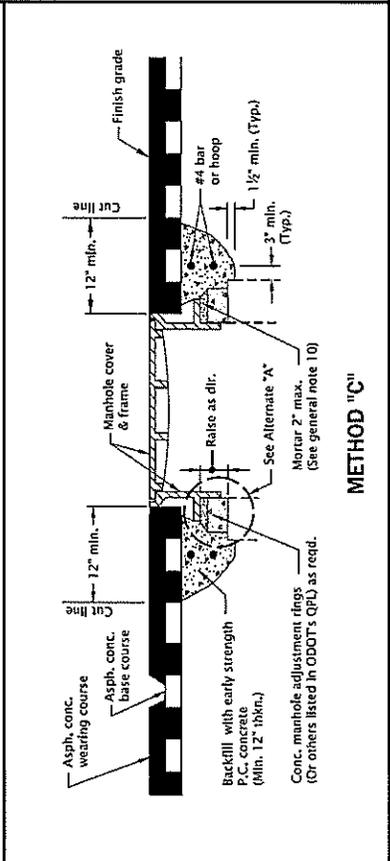
RD302



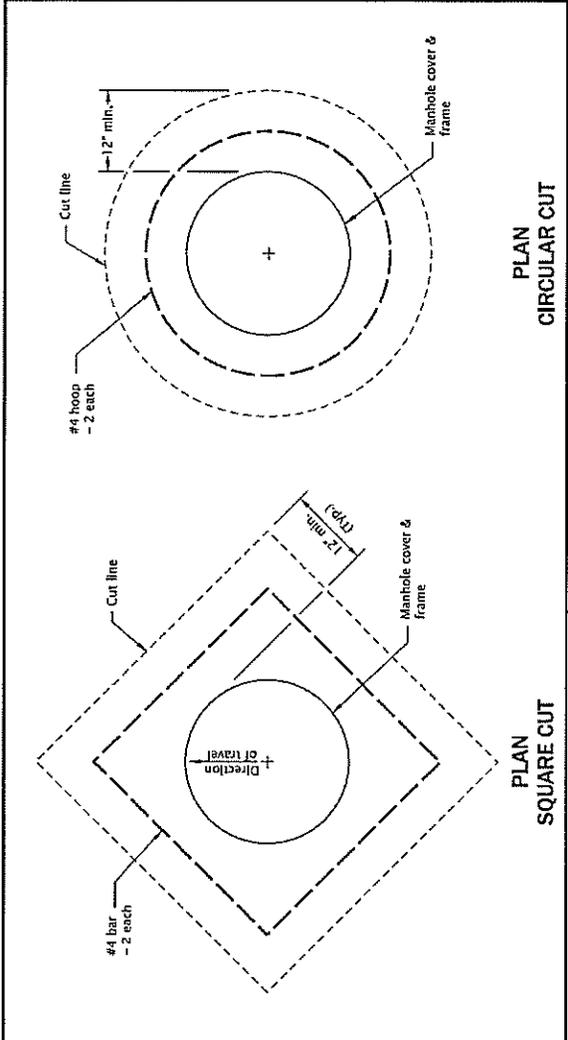
METHOD "A"



METHOD "B"



METHOD "C"

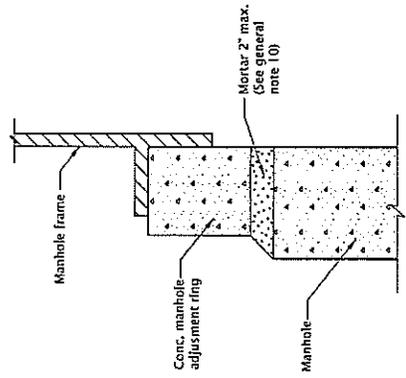


PLAN CIRCULAR CUT

PLAN SQUARE CUT

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 joints with asphalt seal and sand.
8. See Std. Dwg. RD3356 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. RD3356 for tracer wire details.
12. See Std. Dwg. RD3356 for manhole covers and frames.



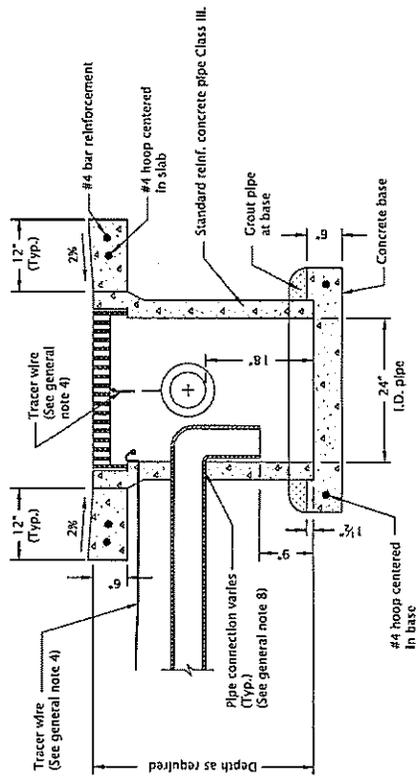
ALTERNATE "A"

SDR DATE	21-JUL-2015
NOTE:	All drawings and specifications shall be in accordance with the current Oregon Standard Specifications.
OREGON STANDARD DRAWINGS	
MANHOLE FRAME ADJUSTMENT	
DATE	2021
REVISION DESCRIPTION	

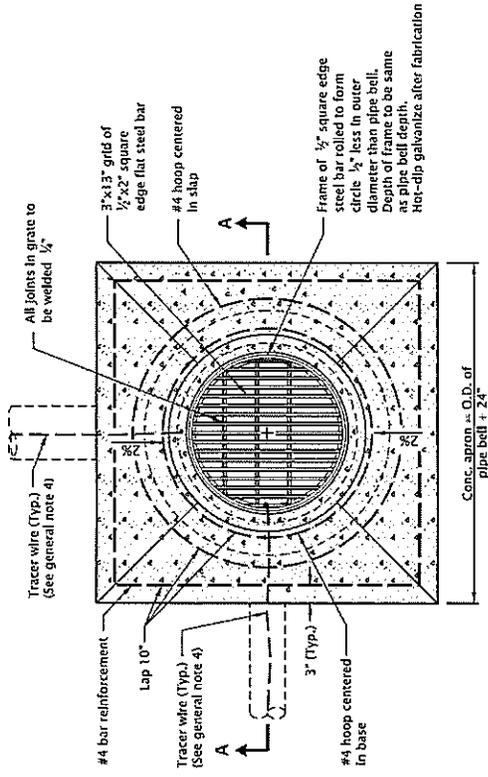
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 – May 31, 2022

RD360



SECTION A-A



PLAN

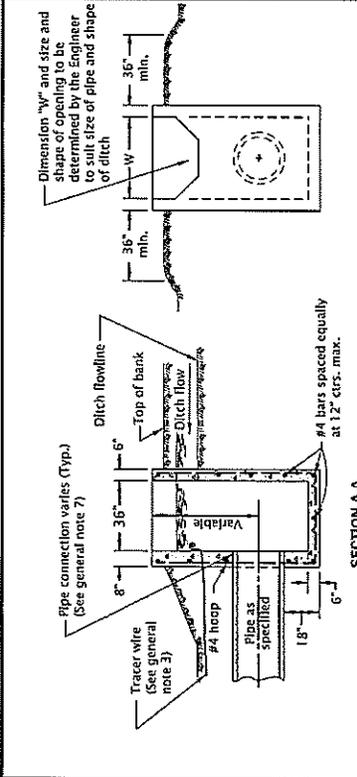
- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
1. Grates shall be bicycle-safe.
 2. Precast concrete inlets may be used when specified or approved. All precast inlets shall conform to requirements of ASTM C913.
 3. Anchor vertical leg of inlet pipe if not a gised joint.
 4. See Std. Dwg. RD336 for tracer wire details.
 5. All reinforcement shall be 2" clear of nearest face of conc., unless otherwise shown.
 6. Max. connecting pipe diameter varies with pipe material.
 7. All concrete shall be commercial grade concrete.
 8. See Std. Dwg. RD339 for pipe to structure connections.
 9. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.

CALC. BOOK NO.	N/A	SDR DATE	14-JUL-2014
NOTE: All materials and workmanship shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
AREA DRAINAGE BASIN OR FIELD INLET			
DATE	2021	REVISION DESCRIPTION	

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 consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

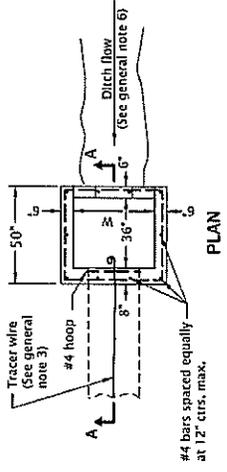
RD374



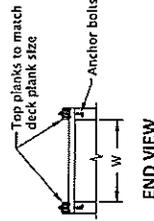
END VIEW



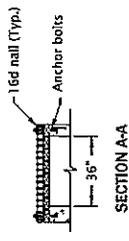
NOTE:
All reinforcement to be #4 bars at 12" ctrs. max.



SIPHON BOX

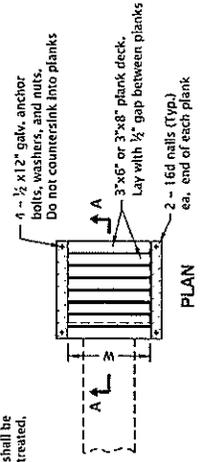


END VIEW

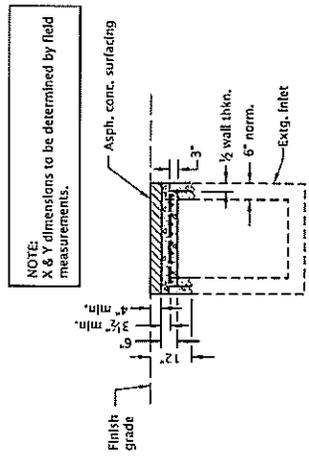


SECTION A-A

NOTE:
All wood shall be pressure treated.

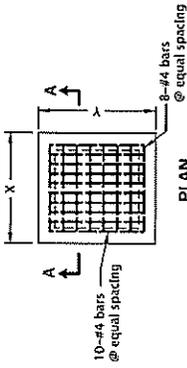


**SIPHON BOX COVER
SIPHON BOX AND COVER**

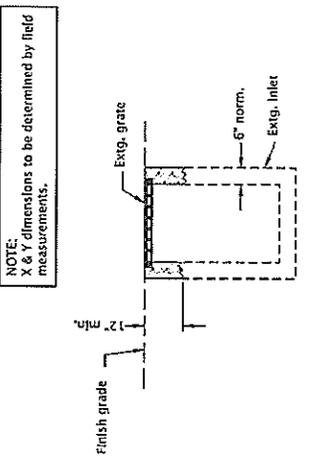


SECTION A-A

Place bars in concrete inlet cap 1 1/2" min. clear of bottom face of concrete and 3 1/2" min. clear of top face of concrete.

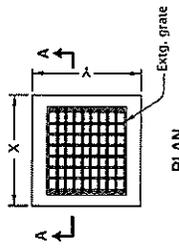


CONCRETE INLET CAP



SECTION A-A

NOTE:
X & Y dimensions to be determined by field measurements.



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

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- 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 used, conform to details for Type 1 grate, RD364.
- See Std. Dwg. RD336 for tracer wire details.
- Max. pipe diameter varies with pipe material.
- All precast products shall conform to requirements of ASTM C913.
- Alignment of ditch, siphon box, and pipe varies, see project plans.
- See Std. Dwg. RD339 for pipe to structure connections.

CALC. BOOK NO. ... N/A ...

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 consulting a Registered Professional Engineer.

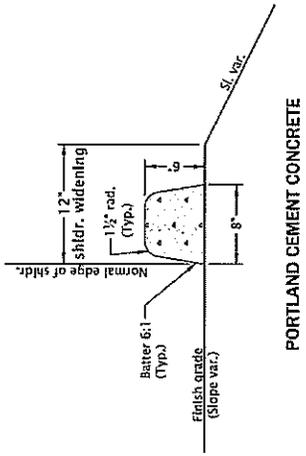
SDR DATE	3-4-JUL-2014
NOTE:	All materials and methods shall be in accordance with the current Oregon Standard Specifications.
OREGON STANDARD DRAWINGS MISCELLANEOUS DRAINAGE STRUCTURES SIPHON BOX, INLET CAP & INLET ADJUSTMENT	
DATE	2021
REVISION DESCRIPTION	

Effective Date: December 1, 2021 - May 31, 2022

RD376

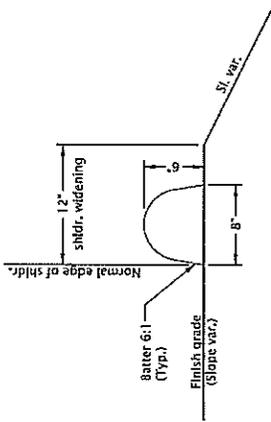
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. For PCC drainage curbs, construct curb expansion joints at 200' maximum spacing, and at points of tangency.
2. For PCC drainage curbs, construct curb contraction joints at 15' maximum spacing.
3. Dimensions are nominal, vary to conform with curb machine approved by the engineer.
4. When bonding to dense graded ACP, apply epoxy cement between surfaces.
5. When drainage curb is required, curb alignment shall be the same as face of guardrail, as shown above. When a run of drainage curb, or any part thereof, is placed under guardrail, curb height shall be 4".
6. For other curb types, see Std. Dwg. RD700.
7. For guardrail details not shown, see Std. Dwg. RD400.

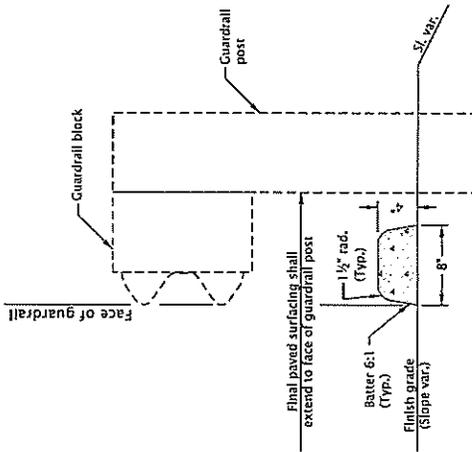


PORTLAND CEMENT CONCRETE

DRAINAGE CURBS
(See general note 4)

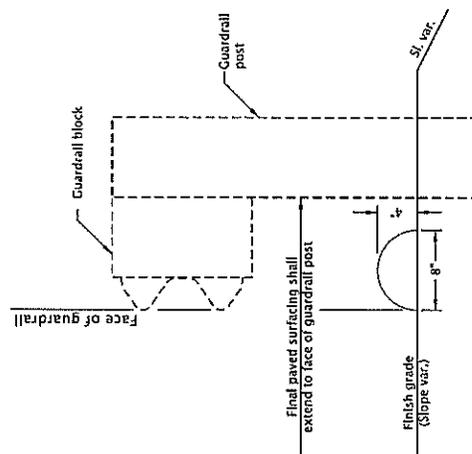


ASPHALT CONCRETE



PORTLAND CEMENT CONCRETE

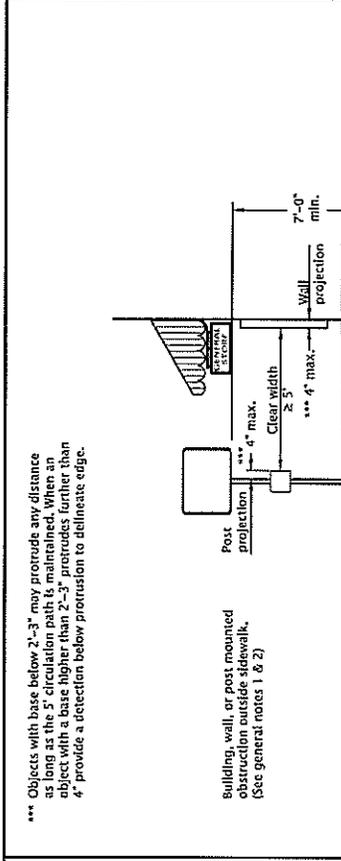
DRAINAGE CURBS UNDER GUARDRAIL
(See general note 4)



ASPHALT CONCRETE

CALC. BOOK NO.	N/A
SOR DATE	20-JUL-2020
NOTE:	All projects and work orders shall be in accordance with the current Oregon Standard Specifications.
OREGON STANDARD DRAWINGS	
DRAINAGE CURBS	
DATE	2021
REVISION	DESCRIPTION

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 consulting a Registered Professional Engineer.



*** Objects with base below 2'-3" may protrude any distance as long as the 5' circulation path is maintained. When an object with a base higher than 2'-3" protrudes further than 4", provide a detection below protrusion to delineate edge.

Building, wall, or post mounted obstruction outside of sidewalk. (See general notes 1 & 2)

Finish grade

Slope 1.5% max. (Max. 2.0% finished surface slope)

Clear width $\geq 5'$

Post projection $\leq 4"$ max.

Wall projection $\leq 2\frac{1}{2}"$ max.

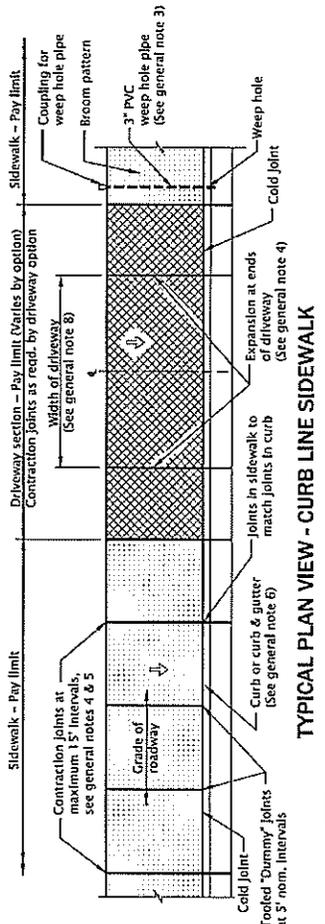
7'-0" min.

Curb detectable range

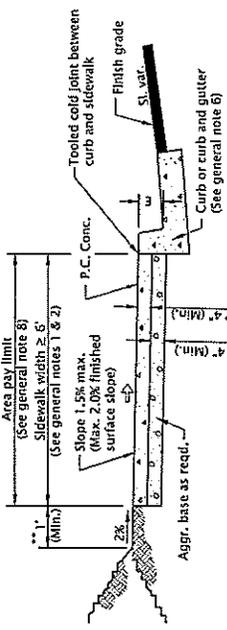
CLEAR CIRCULATION PATH

Length $\geq 5'$ in multiple of 5' increments

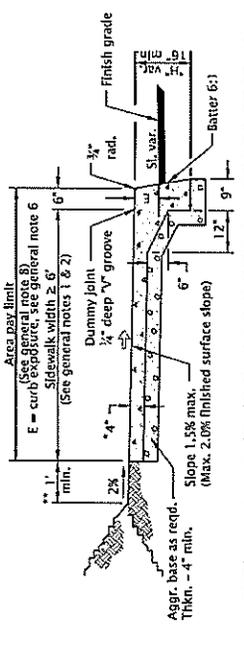
REQUIRED SIDEWALK WIDENINGS AROUND OBSTRUCTIONS



TYPICAL PLAN VIEW - CURB LINE SIDEWALK



TYPICAL CURB SIDEWALK CROSS SECTION



TYPICAL MONOLITHIC CURB & SIDEWALK CROSS SECTION

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
E = curb exposure, see general note 6

1. Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences, and buildings.
2. Curb type and sidewalk width as shown on plans or as directed.
3. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
4. Place contraction joint over top of pipe. See Sid. Dwg. RD700 for weep hole details. 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 Sid. Dwg. RD722 for expansion joints details.
5. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Sid. Dwg. RD722 for contraction joints details.
6. For curb details, see Sid. Dwg. RD700 & RD701. ODOT standard E-7.

7. Sidewalk details are based on applicable ODOT standards.
8. Fully lowered sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Sid. Dwg. RD725, RD730, RD735, RD740, RD745 & RD750.
9. See project plans for details not shown.

LEGEND

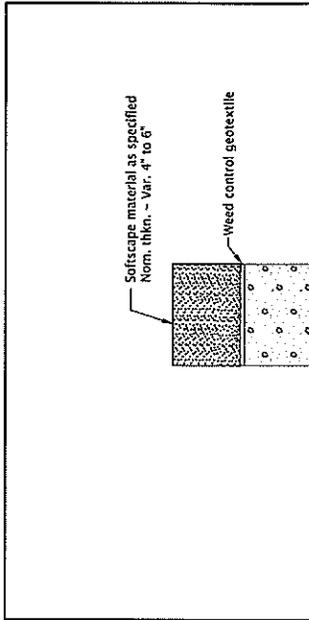
- Sidewalk pay limit.
- Driveway pay limit, varies by option. (See general note 8).
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

CALC. BOOK NO.	N/A	SOR DATE	21-JUN-2019
NOTE: All materials and workmanship shall be in accordance with the current Oregon Standard Specifications			
OREGON STANDARD DRAWINGS			
CURB LINE SIDEWALKS			
DATE		2021	REVISION DESCRIPTION

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 consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

RD720



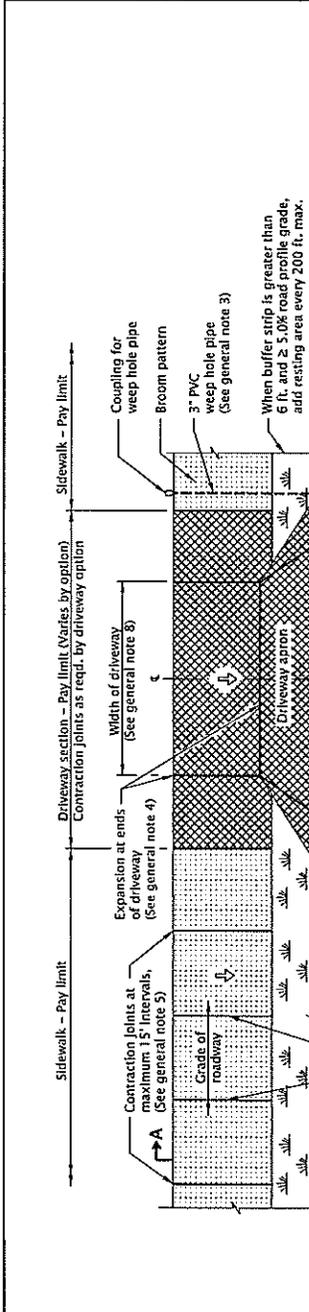
NON-PLANTED SOFTSCAPE CROSS SECTION

- NOTES:**
- 1 Use softscape materials allowed by jurisdiction.
 2. Approved softscape materials:
 - a) Loose, durable round rock 2"-4" in diameter
 - b) Lava rock 2"-4" diameter
 - c) Wood chips/bark mulch
 - d) Sand
 3. No crushed aggregate or pea gravel allowed.
 4. Install softscape material flush with the top of sidewalk.

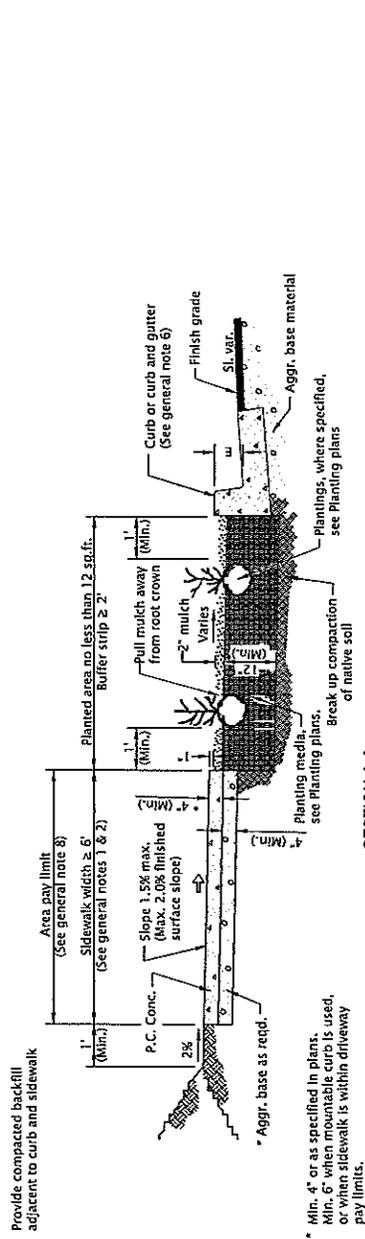
- LEGEND**
- Sidewalk pay limit.
 - Driveway pay limit, varies by option, (See general note 8).
 - Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

SDR DATE: 20-JUL-2020
 NOTE: All attached and unattached files shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS	
SEPARATED SIDEWALKS	
DATE	REVISION DESCRIPTION
2021	



TYPICAL PLAN VIEW - SEPARATED SIDEWALK



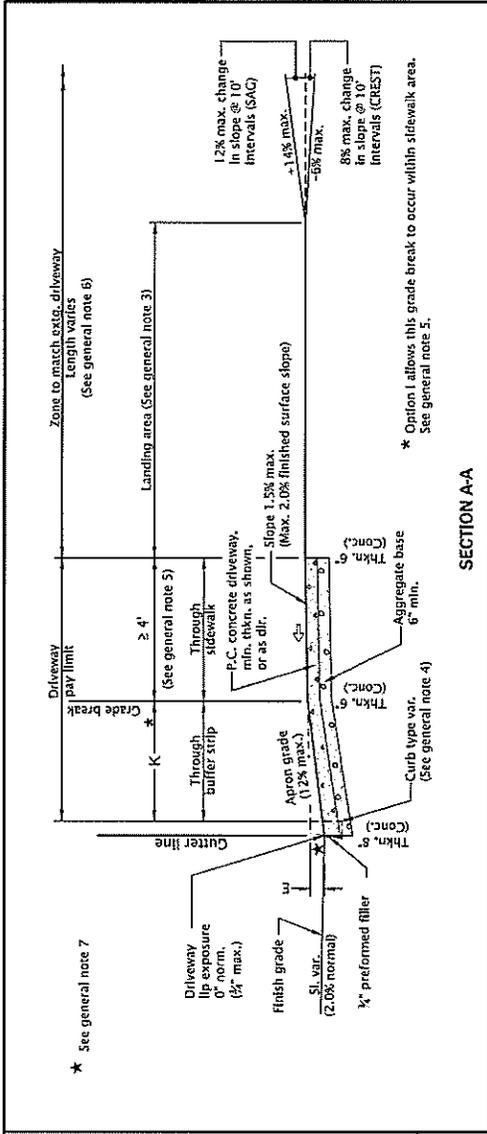
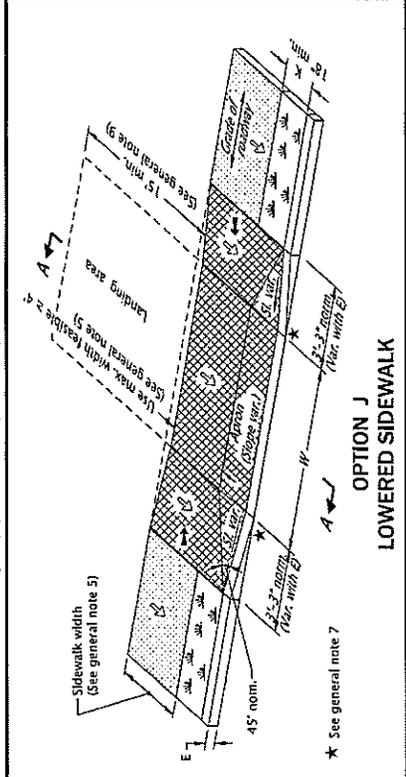
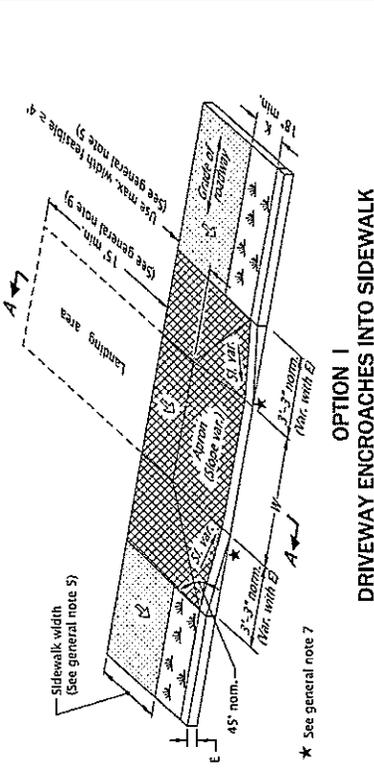
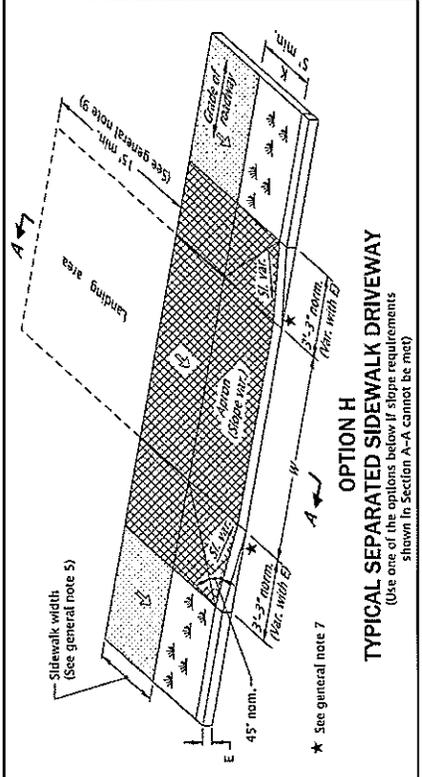
SECTION A-A

E = curb exposure, see general note 6

- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:**
1. Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
 2. Curb type and sidewalk width as shown on plans or as directed.
 3. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
 4. Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Sid. Dwg. RD700 for weep hole details.
 5. Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures.
 6. For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Sid. Dwg. RD722 for expansion joint details.
 7. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp.
 8. See Sid. Dwg. RD722 for contraction joint details.
 9. Curb and gutter shown; see project plans for the curb design specified. For curb details, see Sid. Dvgs. RD700 & RD701.
 10. ODOT standard E=7.
 11. Sidewalk details are based on ODOT applicable standards.
 12. Driveway encroaches into sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Sid. Dvgs. RD725, RD730, RD735, RD740, RD745 & RD750.
 13. See project plans for details not shown.
 14. Provide plantings in areas 12.5F or greater, as shown or directed. Treat areas less than 12.5F with mulch surfacing.

Effective Date: December 1, 2021 - May 31, 2022

RD721



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Details are based on applicable ODOT Standards.
- Only use details allowed by Jurisdiction.
- The following dimensions are as shown on plans, or as directed: driveway width, driveway slope, sidewalk width, buffer strip width, curb exposure, driveway lip exposure, landing area length and width. See project plans for details not shown.
- Curb, gutter, and sidewalk types varies, see plans. See Std. Dwg. RD700 & RD701 for curb details. See Std. Dwg. RD721 for sidewalk details. See Std. Dwg. RD722 for joint details.
- A greater than or equal 4" unobstructed clear passage with cross slope 1.5% max. (Max. 2.0% finished surface slope) is required behind driveway apron.
- Where existing driveway is in good condition, and meets slope requirements, construct only as much landing area as required for satisfactory connection with new work.
- Check the gutter flow depth at driveway locations to assure that the design flood does not overtop the back of sidewalk at driveway. If overtopping occurs place an Inlet at upstream side of driveway or perform other approved design mitigation.
- Construct a full depth expansion joints with (1/2" (in) preformed joint filler at ends of each driveway.
- Tooled joints are required at all driveway slope break lines.
- 15' min. of the driveway behind the sidewalk should be surfaced to prevent tracking of gravel onto the sidewalk.
- Any dimensions except those of general note 5 may be amended by local agencies for their use.

SDR DATE: 20-JUL-2020
NOTE: All materials and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS
SEPARATED SIDEWALK DRIVEWAYS
OR ALLEYS (OPTIONS H, I & J)
LOCAL JURISDICTIONS

DATE: 2021
REVISION DESCRIPTION

W Width of driveway
K Buffer strip width
E Curb exposure

Driveway pay limit
See project plans for details (not shown)

Cross slope 1.5% max.
(Max. 2.0% finished surface slope)
(Normal sidewalk cross slope)

Running slope 7.5% max.
(Max. 6.3% finished surface slope)

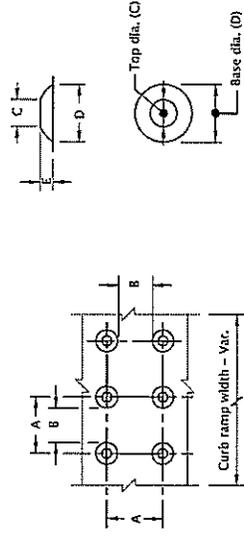
NOTE: The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

NOTE: This drawing is to be used by local agencies to assist them in the design of driveways on their facilities.

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Detectable warning surface details & locations are based on applicable ODOT Standards.
2. See project plans for details not shown. See Std. Dwg. RD700 & RD701 for curbs.
3. The detectable warning surface shall extend the full width of the curb ramp opening, shared use path, blended transition, turning space, or other roadway entrance as applicable. A gap of up to 2 inches on each side of the detectable warning surface is permitted (measured at the leading edge of the detectable warning surface panel as shown in Detail "A").
4. Detectable warning surface shall be placed at the back of curb for a minimum depth of 2 ft. in the direction of pedestrian travel at curb ramps that are adjacent to traffic. Detectable warning surface may be radial or rectangular, but must comply with the truncated dome size and spacing standards. Detectable warning surface may be cut to meet necessary shape as shown in plans. Detectable warning surface across a grade break is prohibited. Place abutting panels within 1/4 inch of each other and install anchors, as specified by manufacturers, along cut edge.
5. Color to be safety yellow if no color specified in construction note. Alternative colors require a design exception on or along state highways.
6. Detectable warning surface shall be used in the following locations:
 - a) Curb ramps at street crossings
 - b) Crossing Islands (Accessible Route Islands)
 - c) Rail crossings.
7. Where public transportation stations (rail, bus, etc.) use platform boarding, detectable warning surface shall be placed along the full edge length of the station, when not protected by platform screens or guards. (see Std. Dwg. RD908).
8. Detectable warning surface shall not be used on the following locations:
 - a) End of sidewalk transitions that are not at a crosswalk. (see Std. Dwg. RD950, RD952 and RD960).
 - b) Driveways, unless constructed with curb return or are signalized.
 - c) Parking lots, access aisles and passenger/loading zones where curb ramp does not lead to vehicular way.
9. Where no curb is present, the detectable warning surface shall be placed at the edge of the roadway.
10. On or along state highways, curb and gutter is required at curb ramps.

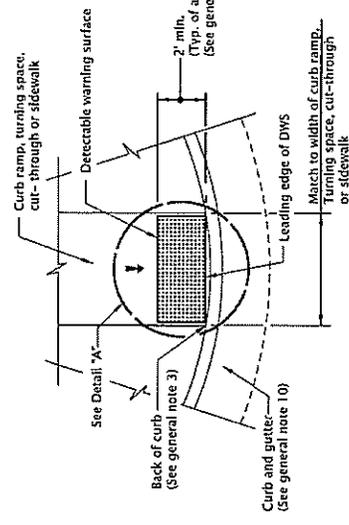
	A	B	C	D	E
MIN.	1.60"	0.65"	0.45"	0.90"	0.20"
MAX.	2.40"	—	0.91"	1.40"	0.20"



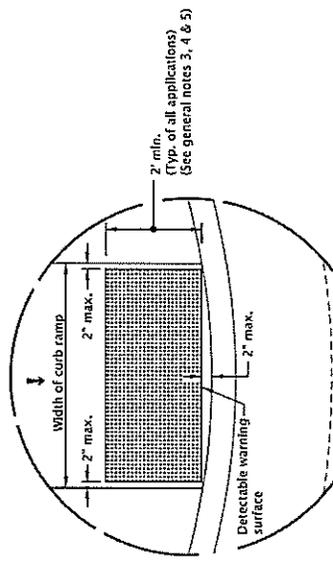
TRUNCATED DOME

TRUNCATED DOME DETAILS

TRUNCATED DOME SPACING



DETECTABLE WARNING SURFACE DETAIL



DETAIL "A"

LEGEND:

- Detectable warning surface
- 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)

CALC. BOOK NO. NA SDR DATE 19-JUL-2021

NOTE: All materials and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

DETECTABLE WARNING SURFACE DETAILS

DATE	REVISIONS CREATED	REVISION DESCRIPTION
07/2021	07/2021	2021
07/2021	07/2021	07/2021

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 consulting a Registered Professional Engineer.

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

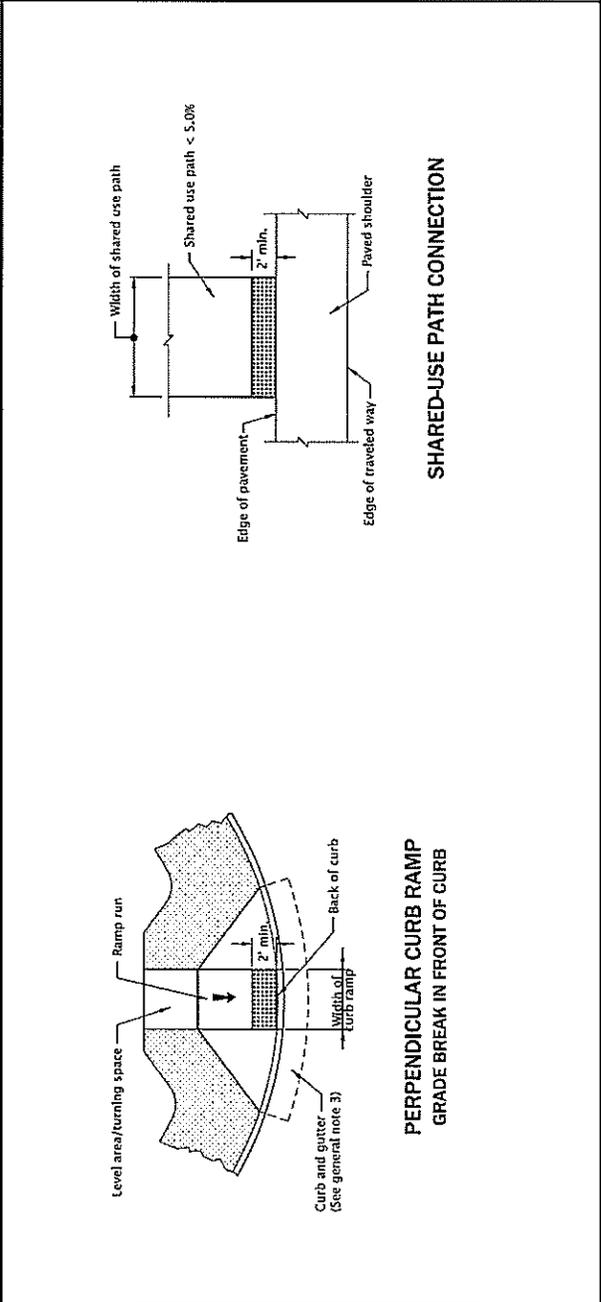
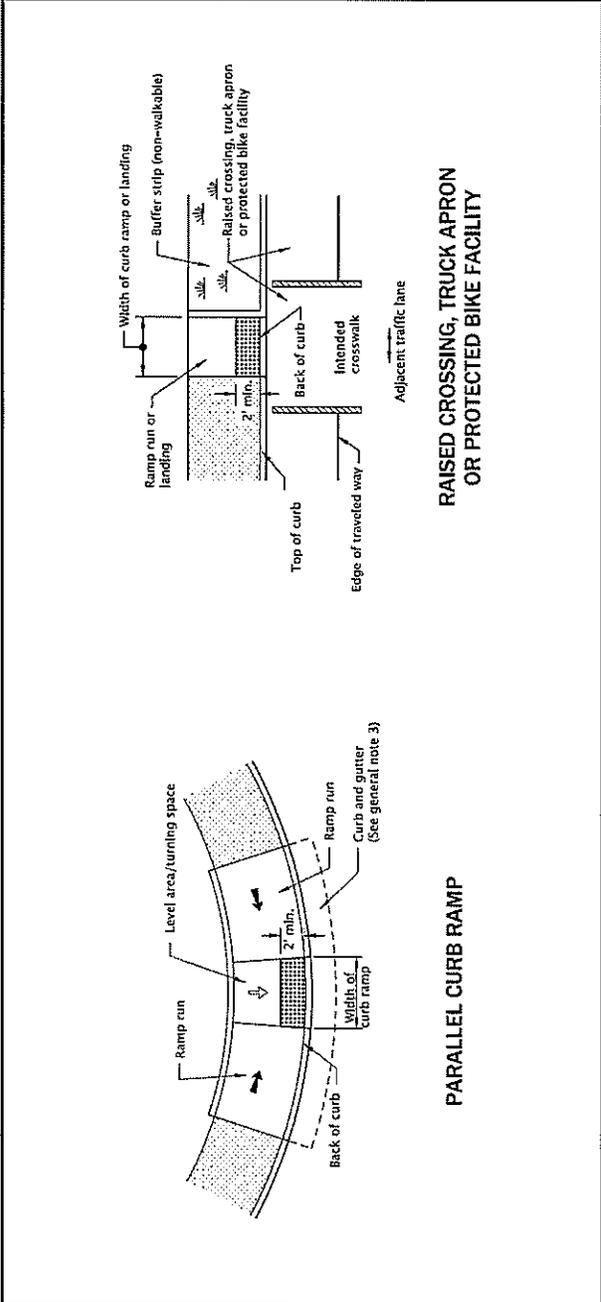
1. Detectable warning surface details & locations are based on applicable ODOT Standards.
2. See project plans for details not shown. See Sid. Dvgs. RD700 & RD701 for curbs. See Sid. Dwg. RD902 for detectable warning surface installation details.
3. On or along state highways, curb and gutter is required at curb ramps.
4. Detectable warning surface placement for perpendicular ramps vary as shown.

LEGEND:

-  Marked or intended crossing location
-  Sidewalk
-  Detectable warning surface
-  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)

CALC. BOOK NO.	N/A	SOR DATE	20-JULY-2020
NOTE: All materials and methods shall be in accordance with the current Oregon Standard Specifications			
OREGON STANDARD DRAWINGS			
DETECTABLE WARNING SURFACE PLACEMENT FOR CURB RAMPS			
DATE	2021	BY	ELVEN DESCRIPTION
DATE		BY	
DATE		BY	

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 consulting a Registered Professional Engineer.



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on applicable ODOT Standards.
2. See Std. Dwg's. RD700 & RD701 for curbs, RD720 & RD721 for sidewalks, RD902 through RD908 for detectable warning surface installation details, RD912 through RD916 for curb ramp placement options.
3. Site conditions normally require a project specific design. See project plans for details not shown.
4. Tooled dummy joints are required at all curb ramp grade break lines, (see Std. Dwg. RD722).
5. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
6. Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
7. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.
8. Return curb may be provided in lieu of flared slope only if protected from traverse travel by landscaping, see Std. Dwg. RD721. Return curb shall not reduce width of approaching sidewalk.
9. Curb ramps for shared use paths intersecting a roadway shall be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp opening will be $\geq 8'$ wide.
10. Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
11. On or along state highways, curb and gutter is required at curb ramps.

LEGEND:

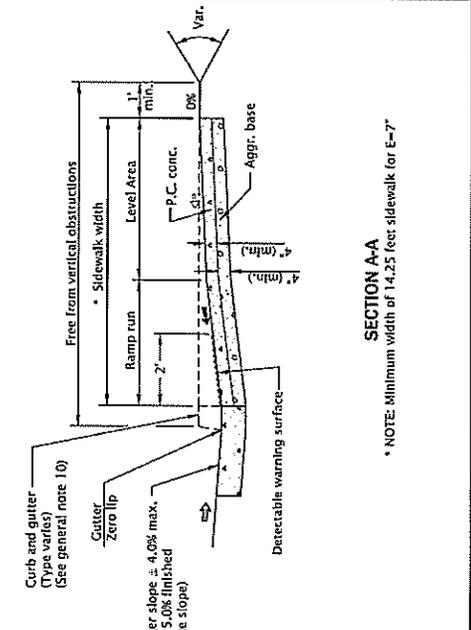
- Sidewalk
- Detectable warning surface
- Level area (turning space/landing)
- Unobstructed 4.5' x 4.5'
- Obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing).
- Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
- Running slope 7.5% max. (Max. 8.3% finished surface slope)
- Counter slope 4.0% max. ascending or descending. (Max. 5.0% finished surface slope) Slope as required for drainage
- Flare slope (Max. 10% finished surface slope)

CALC. BOOK NO. --- N/A ---	SQR DATE --- 20-JULY-2020 ---
NOTE: All material and methods shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS	
PERPENDICULAR CURB RAMP	
DATE --- 2021 ---	REVISION DESCRIPTION ---

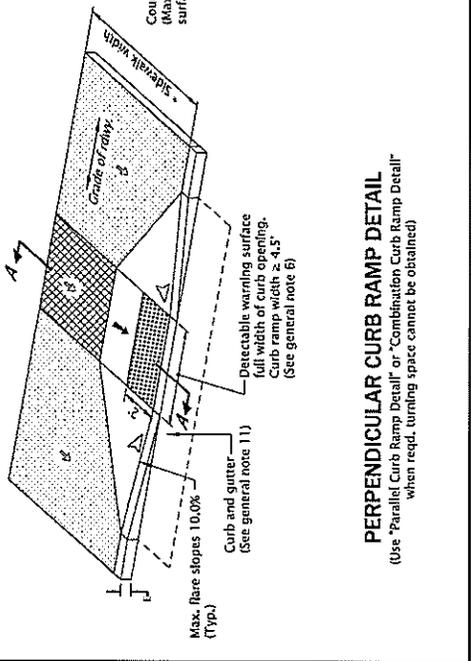
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 – May 31, 2022

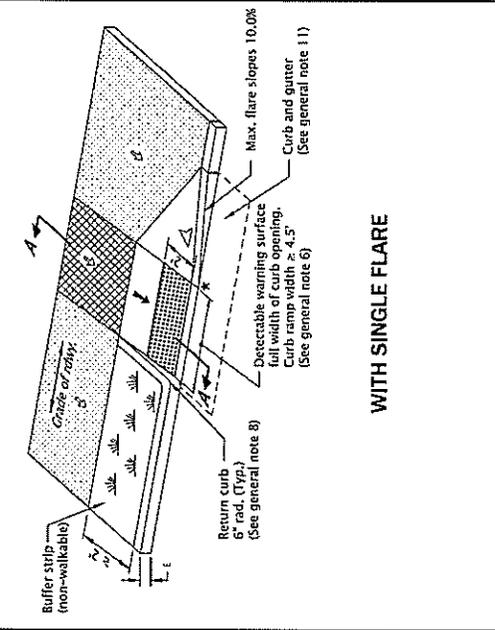
RD910



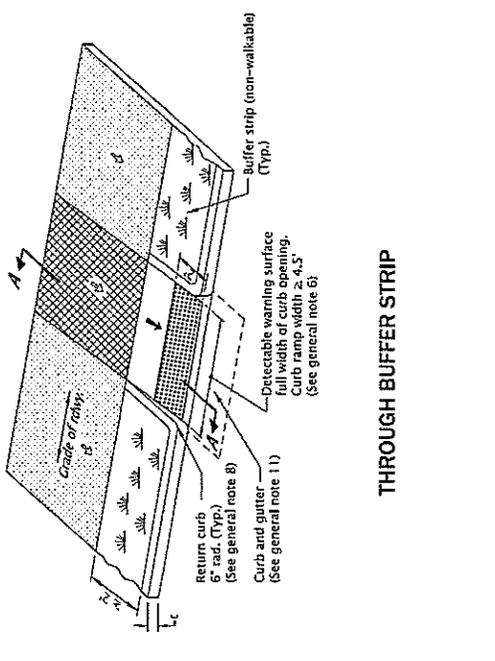
SECTION A-A
* NOTE: Minimum width of 14.25 feet sidewalk for E-7'



PERPENDICULAR CURB RAMP DETAIL
(Use "Parallel Curb Ramp Detail" or "Combination Curb Ramp Detail" when req'd, turning space cannot be obtained)



WITH SINGLE FLARE



THROUGH BUFFER STRIP

RD910.dgn 20-JUL-2020

RD910

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on applicable ODOT Standards.
2. See Std. Dwg. RD700 & RD701 for curbs.
3. See Std. Dwg. RD720 & RD721 for sidewalks.
4. See Std. Dwg. RD902 through RD908 for detectable warning surface installation details.
5. See Std. Dwg. TM240 for crosswalk closure detail.
6. Site conditions normally require a project specific design. See project plans for details not shown.
7. Tooled dummy joints are required at all curb ramp grade break lines, (see Std. Dwg. RD722).
8. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
9. Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
10. 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.
11. When 2 ramp runs are immediately adjacent, the curb exposure (E) between the adjacent side may range between 3" and full design exposure.
12. Curb ramps for shared use paths intersecting a roadway shall be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp opening will be $\geq 8'$ wide.
13. 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.
14. On or along state highways, curb and gutter is required at curb ramps.

- LEGEND:**
- Sidewalk
 - Detectable warning surface
 - Level area (Turning space/landing)
 - Unobstructed 4.5' x 4.5'
 - With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing).
 - For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
 - Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
 - Running slope 7.5% max. (Max. 8.3% finished surface slope)
 - Counter slope 4.0% max. ascending or descending. (Max. 5.0% finished surface slope) Slope as required for drainage
 - 4'x4' clear space

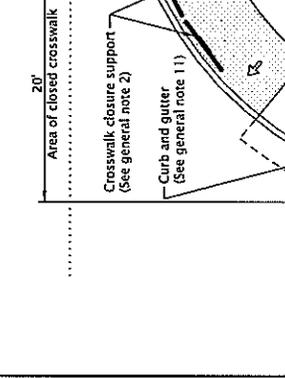
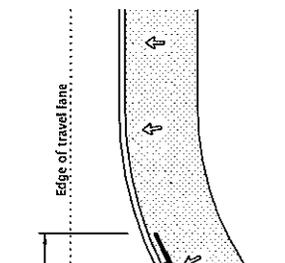
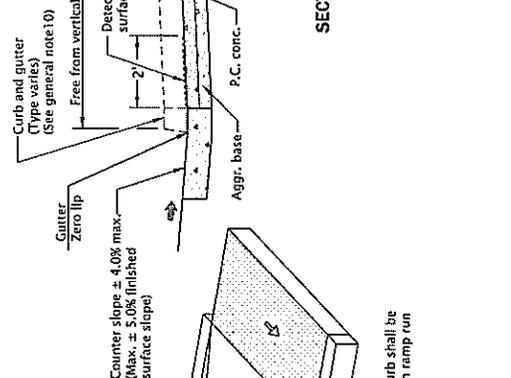
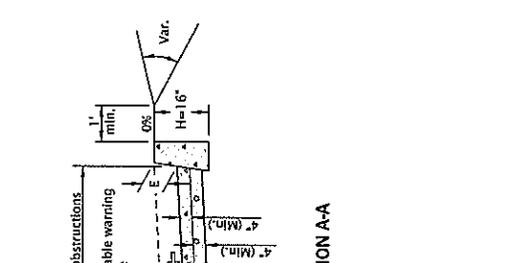
CALC. BOOK NO.	N/A	SDR DATE	19-JUL-2021
NOTE: All materials and workmanship shall be in accordance with the current Oregon Standard Specifications.			

OREGON STANDARD DRAWINGS

PARALLEL CURB RAMP

DATE: 07-2020
DRAWING CREATED: 07-2021
REVISIONS: 2021

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PARALLEL CURB RAMP WITH CROSSWALK CLOSURE

OPTION "PL-1"

PARALLEL CURB RAMP WITH CROSSWALK CLOSURE

OPTION "PL-2"

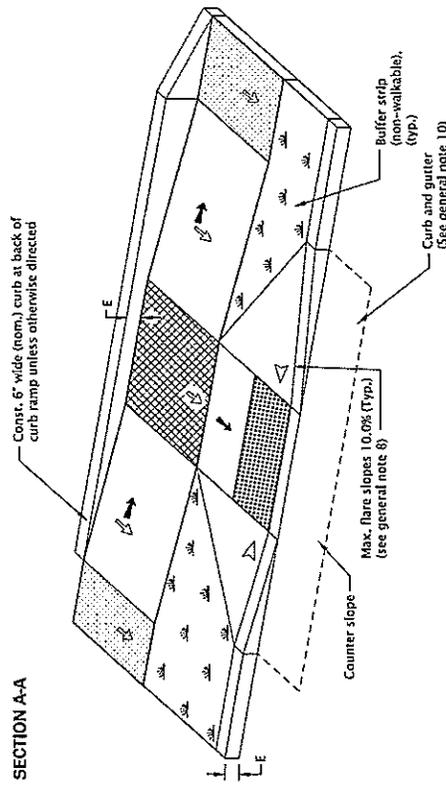
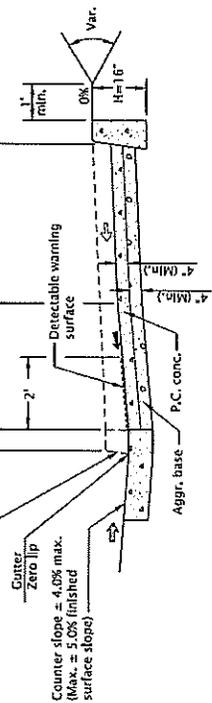
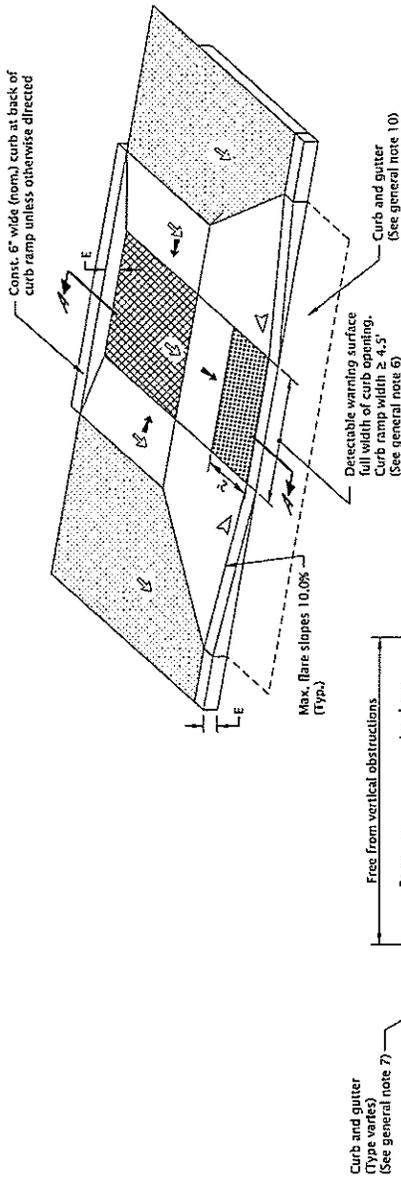
Effective Date: December 1, 2021 – May 31, 2022

RD920.dgn 19-JUL-2021

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. Dwg. RD700 & RD701 for curbs.
See Std. Dwg. RD720 & RD721 for sidewalks.
3. Site conditions normally require a project specific design. See project plans for details not shown.
4. Tooled dummy joints are required at all curb ramp slope break lines. (See Std. Dwg. RD722).
5. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
6. Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
7. Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
8. Return curb may be provided in lieu of flare slopes only if protected from traverse travel by landscaping, see Std. Dwg. RD721. Return curb shall not reduce width of approaching sidewalk.
9. Curb ramps for shored use paths intersecting a roadway shall be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp opening will be 24" wide.
10. On or along state highways, curb and gutter is required at curb ramps.
11. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.

- LEGEND:**
- Marked or intended crossing location
 - Sidewalk
 - Detectable warning surface
 - Level area (turning space/landing)
Unobstructed 4.5' x 4.5'
With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing).
 - For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
 - Cross slope 1.5% max.
(Max. 2.0% finished surface slope)
(Normal sidewalk cross slope)
 - Running slope 7.5% max.
(Max. 8.3% finished surface slope)
 - Counter slope 4.0% max. ascending or descending,
(Max. 5.0% finished surface slope)
Slope as required for drainage
 - Flare slope
(Max. 10% finished surface slope)



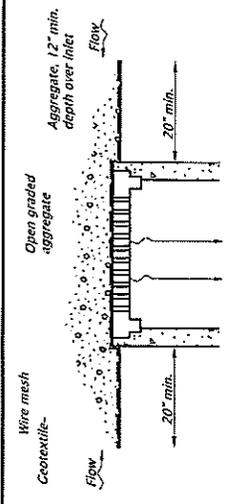
COMBINATION CURB RAMP DETAIL

CALC. BOOK NO. --- N/A ---	SDR DATE --- 19-JUL-2021 ---
NOTE: All materials and workmanship shall be in accordance with the current Oregon Standard Specifications.	
OREGON STANDARD DRAWINGS	
COMBINATION CURB RAMP	
2021	
DATE: 07-19-2021	DRAWING CREATED: 07-19-2021
BY: JLD	REVIEWED BY: JLD
DATE: 07-19-2021	REVIEWED DATE: 07-19-2021

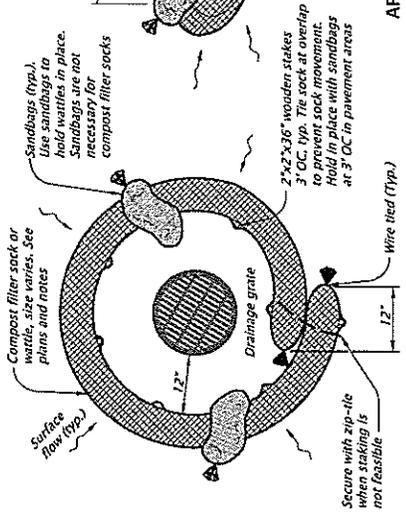
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Effective Date: December 1, 2021 – May 31, 2022

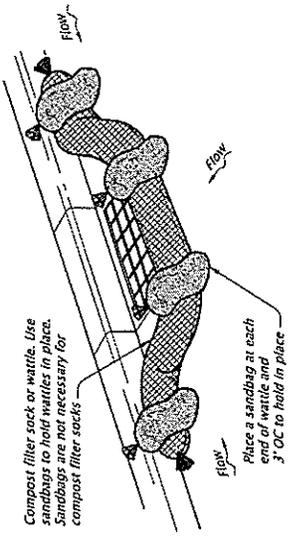
RD930



GEOTEXTILE/WIRE MESH/AGGREGATE - TYPE 2
NOT TO SCALE

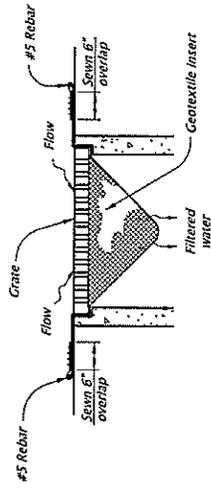


AREA DRAIN PLAN

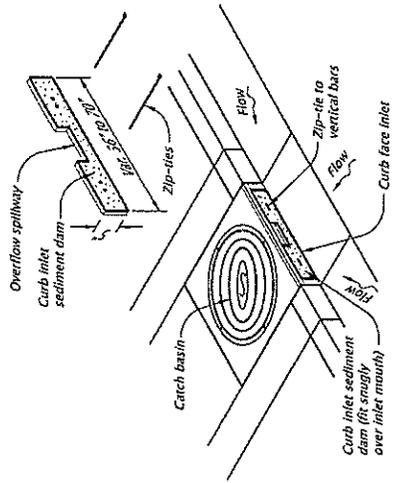


CURB INLET PERSPECTIVE VIEW

COMPOST FILTER SOCK OR WATTLE - TYPE 7
NOT TO SCALE



PREFABRICATED FILTER INSERT - TYPE 3
NOT TO SCALE



CURB INLET SEDIMENT DAM - TYPE 10
NOT TO SCALE

(Type 7 cont.)
Use 12" to 18" dia sock in non-traffic areas or areas where the larger socks can be used safely.
Use synthetic mesh socks for temporary installations.

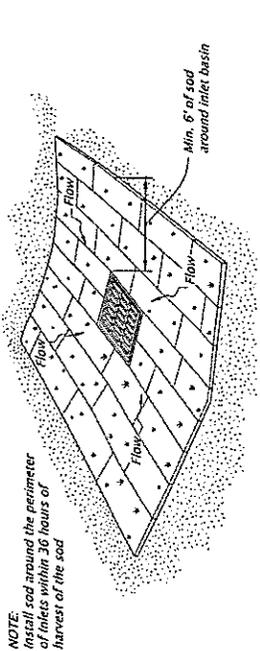
Type 10 - Curb inlet sediment dam fit curb inlet sediment dam into inlet mouth. Curb inlet sediment dam is required for use with inlet filter insert where at-grade inlet grate and curb inlet are combined at a catch basin.

Type 11 - Wattle barrier with filter insert install prefabricated filter insert per Type 3 detail.
Install wattles over opening and 36" to each side of opening tight against curb. Adjust wattle to force storm water to flow through filter insert or wattle prior to leaving the site.
Adjust, replace or modify the inlet protection is needed to prevent sediment laden water from entering the catch basin.

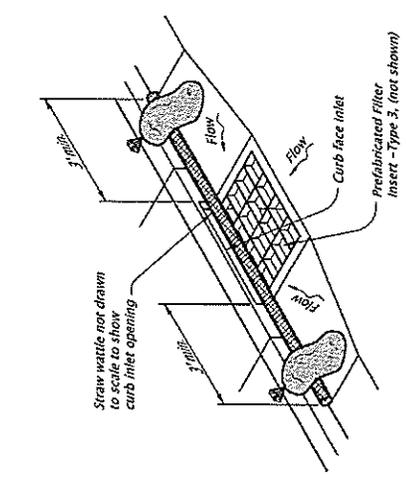
NOTES:
Type 2 - Geotextile/wire mesh/aggregate Place the wire mesh over the grate. Place sediment force geotextile over the wire mesh and perimeter area around structure.
Install aggregate over the geotextile fabric.

Type 3 - Prefabricated filter inserts Install prefabricated filter inserts according to the plans, special provisions, and manufacturer recommendations.
Prefabricated inserts with provisions for overflow are allowed only when accompanied by additional BMP's to prevent the potential of sediments entering project storm systems.
Field fabricated inserts are not allowed.

Type 7 - Composite filter sock Drive 2"x2" wood stakes a minimum of 6" into ground and flush with the top of the sock.
Overlap ends of sock per manufacturers recommendations (12 min., 36" max.).
Use 6" to 12" dia sock on roadside in traffic areas.



SOD PROTECTION - TYPE 6
NOT TO SCALE



WATTLE BARRIER WITH FILTER INSERT - TYPE 11
NOT TO SCALE

NOTE:
Install sod around the perimeter of inlets within 36 hours of harvest of the sod

DATE	DESCRIPTION
MAY 2023	REMOVED CURE BOOK NUMBER
JUN 2021	MOVED FROM CURB OVERFLOW TO THE STREET DRAINAGE
2021	

DATE: _____ JANUARY, 2021

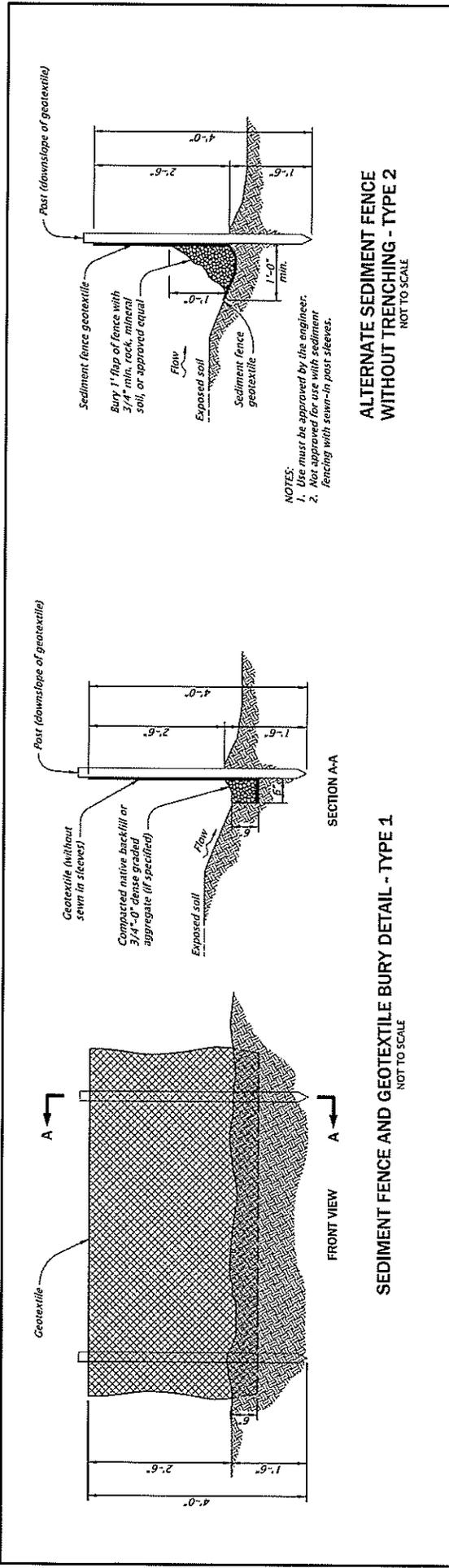
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

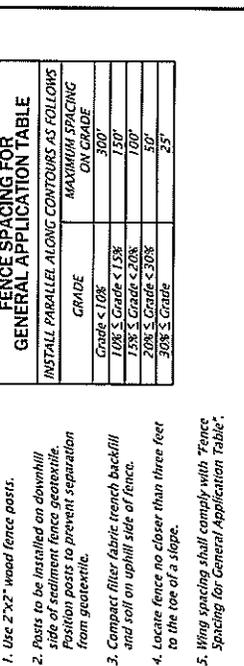
INLET PROTECTION

TYPE 2, 3, 6, 7, 10 AND 11

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 consulting a Registered Professional Engineer.



SEDIMENT FENCE AND GEOTEXTILE BURY DETAIL - TYPE 1
NOT TO SCALE



ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2
NOT TO SCALE

- GENERAL NOTES:**
- Use 2"x2" wood fence posts.
 - Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.
 - Compact filter fabric trench backfill and soil on uphill side of fence.
 - Locate fence no closer than three feet to the toe of a slope.
 - Wing spacing shall comply with "Fence Spacing for General Application Table".

FENCE SPACING FOR GENERAL APPLICATION TABLE
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS

GRADE	MAXIMUM SPACING ON GRADE
Grade \leq 10%	300'
10% \leq Grade $<$ 15%	150'
15% \leq Grade $<$ 20%	100'
20% \leq Grade $<$ 30%	50'
30% \leq Grade	25'

POST SPACING TABLE

6. Sediment Fence with Geotextile elongation less than 50%	15'
4. Sediment Fence with Geotextile elongation 50% or more.	25'

DATE: _____ JANUARY, 2021

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

SEDIMENT FENCE

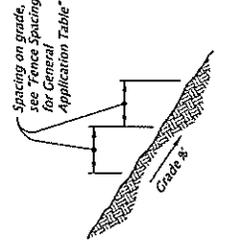
2021

REVISION DESCRIPTION

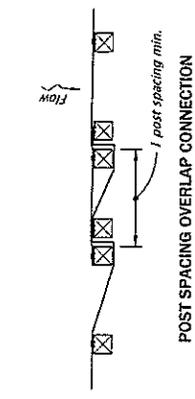
REVISED 1 Removed table 2021

Effective Date: December 1, 2021 - May 31, 2022

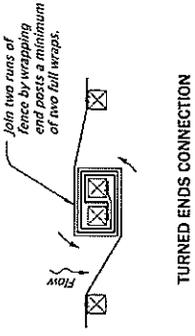
RD1040



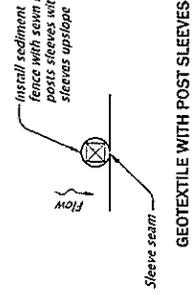
TERMINATION AT CORNER OR PROPERTY LINE



GEOTEXTILE END CONNECTIONS
NOT TO SCALE



GEOTEXTILE WITH POST SLEEVES



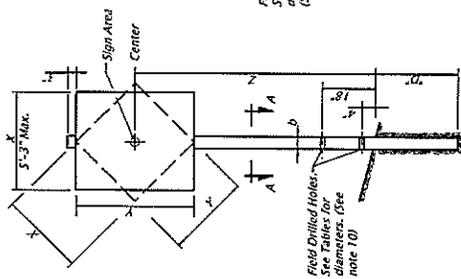
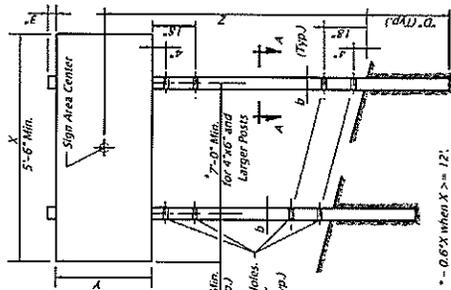
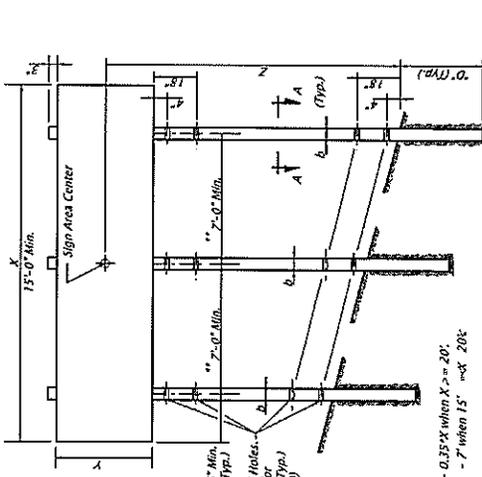
<p>CW</p> <p>STANDARD CROSSWALK TWO 1' WHITE BARS Install per Standard Drawing TM530</p>	<p>EW-S</p> <p>STAGGERED CONTINENTAL CROSSWALK TWO 1' WHITE BARS Install per Standard Drawing TM530</p>	<p>S</p> <p>STOP BAR - 1 WHITE BAR Install per Standard Drawing TM530</p>	<p>S-2</p> <p>STOP BAR - LARGE 2 WHITE BARS Install per Standard Drawing TM530</p>	<p>S-RK</p> <p>RAMP METER STOP BAR 1' & 8' WHITE BARS For multi-lane ramp meter applications</p>
<p>BR</p> <p>BIKE RIGHT TURN STENCIL (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>BS</p> <p>BIKE LANE STANDARD STENCIL (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>BL</p> <p>BIKE LEFT TURN STENCIL (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>BIS</p> <p>BIKE RIGHT TURN STRAIGHT STENCIL (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>BLS</p> <p>BIKE LEFT TURN STRAIGHT STENCIL (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>
<p>SLM</p> <p>SHARED LANE MARKING (white) Center marking within lane width or as shown For proportion details, see current version of Standard Highway Signs</p>	<p>B</p> <p>BIKE STENCIL (white) Used for intersection Bicycle box applications Place marking within bicycle box, centered with motor vehicle lane width</p>	<p>BD</p> <p>BIKE DETECTOR MARKING (white) Place Bicycle Detector pavement marking in optimum location where bicycle actuates the traffic signal</p>	<p>GRN</p> <p>GREEN SUPPLEMENTAL BICYCLE LANE SOLID LINE (green)</p>	<p>BLE-G</p> <p>GREEN SUPPLEMENTAL BICYCLE LANE DOTTED LINE (green)</p>
<p>BUS</p> <p>BUS (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>ON</p> <p>ONLY (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>SCH</p> <p>SCHOOL (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>SCH-L</p> <p>SCHOOL - LARGE (white) Center marking within width of two lanes For letter proportion details, see current version of Standard Highway Signs</p>	<p>CRS-LG</p> <p>CROSSING - LARGE (white) Center marking within width of two lanes For letter proportion details, see current version of Standard Highway Signs</p>
<p>XNG</p> <p>X-ING (white) Center marking within lane width For letter proportion details, see current version of Standard Highway Signs</p>	<p>P</p> <p>ON-STREET PARKING DETAIL (white)</p>	<p>LEGEND</p> <p>Direction of Travel</p>	<p>NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications.</p> <p>OREGON STANDARD DRAWINGS</p> <p>PAVEMENT MARKING STANDARD DETAIL BLOCKS</p> <p>DATE: 2021 REVISION DESCRIPTION</p>	<p>SR DATE: 01/03/2020</p> <p>CALC. BOOK NO.: N/A</p>

General Notes:

1. Wood posts are available in the following commercial lengths: 12', 14', 16', 18', 20', 22', 24', 26'.
2. Material shall be Douglas Fir-No. 1 and according to Section 02110.40.
3. For horizontal and vertical clearances of permanent signs refer to TM200 and of temporary signs refer to TM672.
4. Wood post design in accordance with the 5th Edition 2009 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signs.
5. Use the 3 second gust wind speeds shown on TM671 for the site specific sign location.
6. General design parameters are $K_r = 0.87$, SF (duration factor) = 1.6, CD (Sign) = 1.20, and $G = 1.14$.
7. The sign width to sign height or sign width to sign width ratio shall not exceed 5.0.
8. Permanent signing uses an $I_r = 0.71$ for a recurrence interval of 10 years.
9. Temporary signing uses an $I_r = 0.45$ for a recurrence interval of 1.5 years.
10. Posts protected by barrier or guardrail do not require field drilled holes.
11. 4" x 4" posts should not be used in snow plow areas.

Post Embedment Installation:

1. Excavate the hole at least 12" larger in diameter than the diagonal dimension of the post. Minimum clear 6" of space around the edges of the post to accommodate compaction equipment.
2. Align the post in the hole to a vertical position.
3. The space around the wood post shall be backfilled to finished ground surface.
4. Backfill with selected general backfill meeting the requirements of 00330.13.
5. Place in layers not greater than 6 inches.
6. Slightly ram and tamp the layers into the excavation area around the post.
7. Dampen during placement if too dry to compact properly.
8. Replace and finish the surface around the post to match the surrounding surface.



ELEVATION
No scale

PERMANENT WOOD POST TABLE

$(X \times Y \times Z)$ in R^2 - Maximum
3 Second Gust Wind Speed (TM671)

POST SIZE $b \times d$	85 MPH		95 MPH		105 and 110 MPH		Field Drilled Hole Diameters	Post Embedment Depth '0"
	Number of Posts		Number of Posts		Number of Posts			
4" x 4"	1	2	1	2	1	2	Not Req'd	4'-0"
4" x 6"	77	134	62	124	56	112	1 1/2"	5'-0"
6" x 6"	270	540	216	432	195	390	2"	5'-0"
6" x 8"	494	988	395	790	356	712	3"	7'-0"

TEMPORARY WOOD POST TABLE

$(X \times Y \times Z)$ in R^2 - Maximum
3 Second Gust Wind Speed (TM671)

POST SIZE $b \times d$	85 MPH		95 MPH		105 and 110 MPH		Field Drilled Hole Diameters	Post Embedment Depth '0"
	Number of Posts		Number of Posts		Number of Posts			
4" x 4"	1	2	1	2	1	2	Not Req'd	4'-0"
4" x 6"	122	244	98	196	88	176	1 1/2"	5'-0"
6" x 6"	426	852	341	682	306	612	2"	5'-0"
6" x 8"	759	1518	624	1248	563	1126	3"	7'-0"

PERMANENT WOOD POST TABLE

$(X \times Y \times Z)$ in R^2 - Maximum
3 Second Gust Wind Speed (TM671)

POST SIZE $b \times d$	85 MPH		95 MPH		105 and 110 MPH		Field Drilled Hole Diameters	Post Embedment Depth '0"
	Number of Posts		Number of Posts		Number of Posts			
4" x 4"	1	2	1	2	1	2	Not Req'd	4'-0"
4" x 6"	122	244	98	196	88	176	1 1/2"	5'-0"
6" x 6"	426	852	341	682	306	612	2"	5'-0"
6" x 8"	759	1518	624	1248	563	1126	3"	7'-0"

TEMPORARY WOOD POST TABLE

$(X \times Y \times Z)$ in R^2 - Maximum
3 Second Gust Wind Speed (TM671)

POST SIZE $b \times d$	85 MPH		95 MPH		105 and 110 MPH		Field Drilled Hole Diameters	Post Embedment Depth '0"
	Number of Posts		Number of Posts		Number of Posts			
4" x 4"	1	2	1	2	1	2	Not Req'd	4'-0"
4" x 6"	122	244	98	196	88	176	1 1/2"	5'-0"
6" x 6"	426	852	341	682	306	612	2"	5'-0"
6" x 8"	759	1518	624	1248	563	1126	3"	7'-0"

PERMANENT WOOD POST TABLE

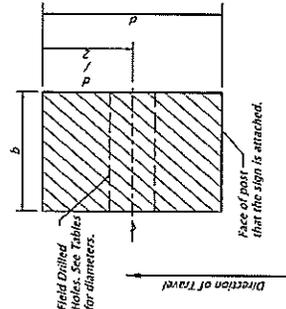
$(X \times Y \times Z)$ in R^2 - Maximum
3 Second Gust Wind Speed (TM671)

POST SIZE $b \times d$	85 MPH		95 MPH		105 and 110 MPH		Field Drilled Hole Diameters	Post Embedment Depth '0"
	Number of Posts		Number of Posts		Number of Posts			
4" x 4"	1	2	1	2	1	2	Not Req'd	4'-0"
4" x 6"	122	244	98	196	88	176	1 1/2"	5'-0"
6" x 6"	426	852	341	682	306	612	2"	5'-0"
6" x 8"	759	1518	624	1248	563	1126	3"	7'-0"

TEMPORARY WOOD POST TABLE

$(X \times Y \times Z)$ in R^2 - Maximum
3 Second Gust Wind Speed (TM671)

POST SIZE $b \times d$	85 MPH		95 MPH		105 and 110 MPH		Field Drilled Hole Diameters	Post Embedment Depth '0"
	Number of Posts		Number of Posts		Number of Posts			
4" x 4"	1	2	1	2	1	2	Not Req'd	4'-0"
4" x 6"	122	244	98	196	88	176	1 1/2"	5'-0"
6" x 6"	426	852	341	682	306	612	2"	5'-0"
6" x 8"	759	1518	624	1248	563	1126	3"	7'-0"



SECTION A-A
No scale

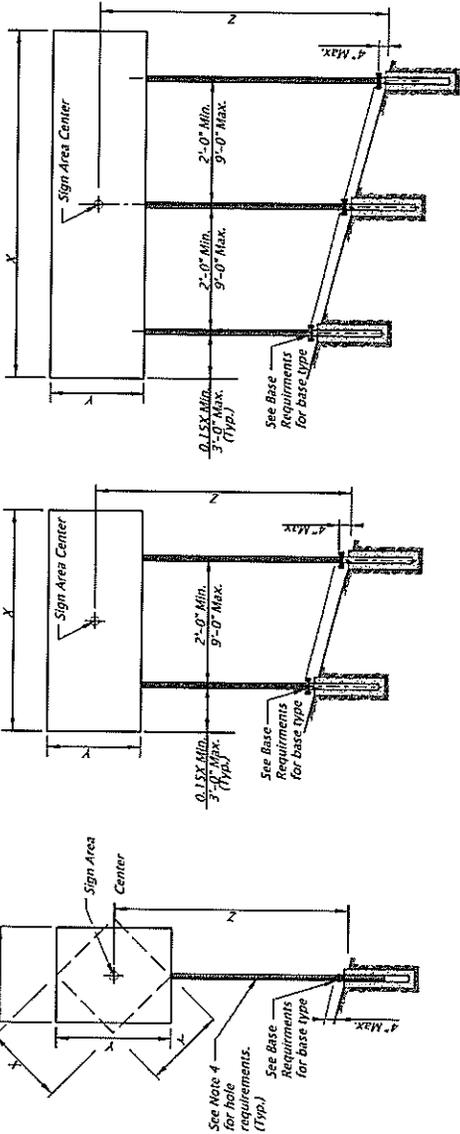
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Accompanied by sheets: TM200, TM671, TM672
CALC. BOOK NO. 5850
SINK DATE: 06-JAN-2017
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS

WOOD POST SIGN SUPPORTS

DATE: 2021
REVISION DESCRIPTION:



SINGLE POST ELEVATION
No scale

TWO POST ELEVATION
No scale

THREE POST ELEVATION
No scale

SINGLE POST ELEVATION
No scale

TWO POST ELEVATION
No scale

THREE POST ELEVATION
No scale

(X * Y * Z) in ft³ - Maximum
3 Second Gust Wind Speed (TM671)

Square Tube Size	85 MPH			95 MPH			105 or 110 MPH			
	Number of Posts	1	2	3	1	2	3	1	2	3
2" - 12 ga.	79	158	237	63	126	189	57	114	171	
2 1/2" - 12 ga.	136	272	408	109	218	327	99	198	294	
2 3/4" - 10 ga.	165	330	495	132	264	396	119	238	357	
2 3/4" & 2 1/2" - 12 ga.	231	462	693	185	370	555	167	334	501	

PERMANENT PERFORATED STEEL SQUARE TUBE TABLE

(X * Y * Z) in ft³ - Maximum
3 Second Gust Wind Speed (TM671)

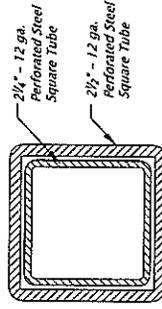
Square Tube Size	85 MPH			95 MPH			105 or 110 MPH			
	Number of Posts	1	2	3	1	2	3	1	2	3
2" - 12 ga.	125	250	375	100	200	300	90	180	270	
2 1/2" - 12 ga.	215	430	645	172	344	516	155	310	465	
2 3/4" - 10 ga.	261	522	783	209	418	627	189	378	567	
2 3/4" & 2 1/2" - 12 ga.	364	728	1092	292	584	876	263	526	789	

TEMPORARY PERFORATED STEEL SQUARE TUBE TABLE

* - See 2 1/4" & 2 1/2" - 12 ga. detail.

GENERAL NOTES:

1. Perforated Steel Square Supports are designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals 4th Edition, 2001, 2002, 2003, and 2006 interim revisions.
2. The design basic wind speed (3 second gust) shall be according to the wind map shown on TM687.
3. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
4. Use 2" x 2" x 1/4" holes at 1" spacing on each of the 4 sides.
5. Steel post shall be galvanized according to ASTM A653.
6. Steel post shall be galvanized according to ASTM A653.
7. General design parameters are Kz = 0.87, Cd (sign) = 1.70, G.C. = 14.
8. Permanent signing uses an Ir = 0.71 for a recurrence interval of 10 years.
9. Temporary signing uses an Ir = 0.45 for a recurrence interval of 1.5 years.
10. The sign width to sign height or sign height to sign width ratio shall not exceed 5:0.
11. For horizontal and vertical clearances of permanent signs refer to TM200 and of temporary signs refer to TM822.
12. Posts protected by barrier or guardrail do not require slip bases.



2 1/4" - 12 ga. PSST to extend entire length inside of the 2 1/2" - 12 ga. PSST.

2 1/4" & 2 1/2" - 12 GA. DETAIL

No scale

Square Tube Size	Number of Posts		
	1	2	3
2" - 12 ga.	Anchor	Anchor	N/A
2 1/2" - 12 ga.	Anchor	Anchor	Slip
2 3/4" - 10 ga.	Slip	Slip	Slip
2 3/4" & 2 1/2" - 12 ga.	Slip	Slip	Slip

1. Anchor - See Drawing TM687 for PSST anchor foundation details.
2. Slip - See Drawing TM688 for PSST slip base foundation details.
3. N/A - Do not use this option.

BASE REQUIREMENTS

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 consulting a Registered Professional Engineer.

Accompanied by dwgs. TM200, TM671, TM687, TM688, TM689, TM822
CALC. BOOK NO. - - - 5752
S.D.K. DATE - - - 10-JUL-2017

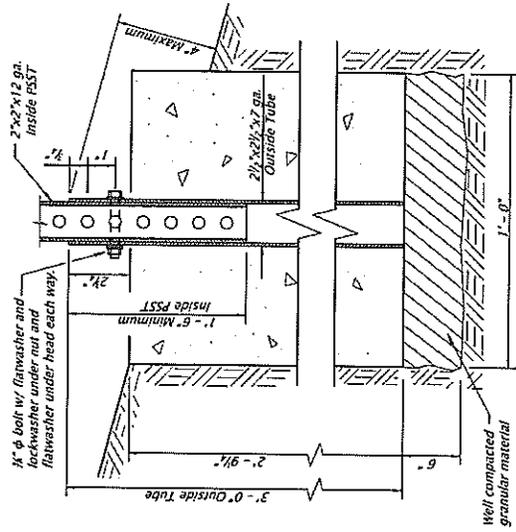
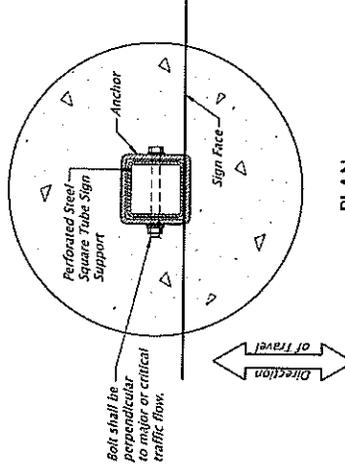
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS
PERFORATED STEEL SQUARE TUBE (PSST) SIGN SUPPORT INSTALLATION

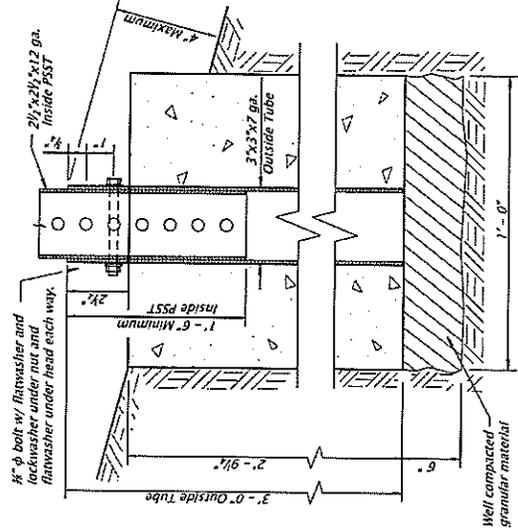
DATE - - - 2021
REVISION DESCRIPTION

General Notes:

1. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
2. Anchor steel shall be hot dipped galvanized or approved equal.
3. Footing concrete shall be Commercial Grade Concrete (fc = 3000 psi) per Specification 00440. The CCC mixture may be accepted at the site of placement according to 00440.1.4.
4. The estimated concrete volume is .09 cubic yards.



2" OPTIONAL ANCHOR DETAIL
No scale



2" ANCHOR DETAIL
No scale

Accompanied by dwgs. TM681, TM688

CALC. BOOK NO. 5752

SUB DATE 06-JAN-2012

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

OREGON STANDARD DRAWINGS
PERFORATED STEEL SQUARE TUBE (PSST) ANCHOR FOUNDATION

DATE	REVISION DESCRIPTION
2021	

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 consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

TM687

PLANS

FOR

**THE CONSTRUCTION OF CLEVELAND STREET SCA IMPROVEMENTS
HIGHWAY 62 TO SLOAN'S WAY**

PROJECT NO. S20-001

APPENDIX A**PREVAILING WAGES**

Prevailing wage rates for this project area and size can be found at the Oregon Bureau of Labor Industries (BOLI) or on the web at:

[HTTP://WWW.OREGON.GOV/BOLI](http://www.oregon.gov/boli)