

Mayor
Honorable Tom Ellis

City Manager
Jason A. Tuck, ICMA-CM



Date: May 13, 2019
To: All Interested Parties
From: City of Happy Valley, Engineering Division
RE: Downloading Solicitations Disclaimer

The City of Happy Valley offers certain solicitation documents, including Invitations to Bid and Requests for Proposal, online for downloading. The City requires each prospective bidder/proposer downloading these documents to follow the specific requirements detailed below. If a potential bidder or proposer does not comply with these requirements the bidder/proposer risks the possibility of not receiving a complete solicitation packet and may be deemed a non-responsive bidder.

Please note the solicitation available for download is the original document released to the public. All prospective bidders/or proposers are responsible for downloading any and all addendums or amendments listed along with the solicitation packet on the City's website. Once a potential bidder or proposer has completed, signed, and returned to the City the attached "RETURN RECEIPT" form, the City will automatically forward any and all subsequent addendums, amendments, or other documents relevant to the solicitation.

Disclaimer

The recipient of any downloaded documents from this website shall be responsible for completing and returning to the City of Happy Valley's Engineering Division, the attached "RETURN RECEIPT" form. It is imperative that it is returned as soon as possible. By doing so, the recipient will allow the City of Happy Valley to send any additional documentation, including addendums, amendments, and other information, which may be issued relative to a particular document. The City takes no responsibility for informing recipients of changes to original documents if the attached "RETURN RECEIPT" form has not been sent to the Engineering Division representative listed on the form. The recipient shall be responsible for the accuracy of the information on the form submitted.

Any unidentified modifications to the original document issued by the City shall be null and void. In those instances where modifications are unidentified, the original document issued by the City of Happy Valley shall take precedence. The recipient of any downloaded documents is responsible for clearly identifying any and all changes or modifications to document upon submission to the City.

16000 SE Misty Drive, Happy Valley, Oregon 97086-4288
Telephone: (503) 783-3800 Fax: (503) 658-5174
happyvalleyor.gov



16000 SE Misty Drive
Happy Valley, OR 97086
503.783.3800 phone

**ACKNOWLEDGEMENT OF RECEIPT
RETURN RECEIPT FORM**

Project Title: _____

Firm Name: _____

Address: _____
Street Address City and State Zip

Phone: _____ Fax: _____

Contact Name: _____ Email: _____

I would like to receive any subsequent addenda via email.

I have read and thoroughly understand the disclaimer, instructions, and all other conditions related to downloading solicitation documents from the City of Happy Valley's web page.

I hereby attest that this information, to the best of my knowledge, is valid and correct.

Signature: _____ Date: _____

Next Step: When you have completed this form, please send it to the attention of Karleen Aichele at the following email:

Email: karleena@happyvalleyor.gov



BID DOCUMENT PACKAGE

FOR THE

2019 STREET IMPROVEMENTS PROJECT

Happy Valley, Oregon

ODOT CLASSIFICATION:

Asphalt Concrete Paving & Oiling, and Pavement Marking

CITY MAYOR & COUNCIL

Mayor Tom Ellis

Councilor Brett Sherman (President)

Councilor Markley Drake

Councilor David Golobay

Councilor David Emami

Chris Randall

Public Works Director

Carol Earle, P.E.

City Engineer

CITY BID OPENING:

DATE & TIME: **Thursday, May 30, 2019** **2:00** (Bids Due, Time of Opening)
4:00 (List of Sub-Contractors Due)

LOCATION: **City of Happy Valley City Hall**
16000 SE Misty Dr
Happy Valley, OR 97086



Expires 6.30.19

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SCHEDULE OF BID & CONTRACT AWARD

INVITATION TO BID PUBLICATION (WITH PLAN SET & SPECIFICATIONS)	Monday, May 13, 2019
LAST DATE TO PROTEST SPECIFICATIONS	Thursday, May 23, 2019
BID OPENING	Thursday, May 30, 2019 at 2:00 PM
FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM DUE	Thursday, May 30, 2019 at 4:00 PM
NOTICE OF INTENT TO AWARD	WITHIN FOURTEEN (14) DAYS OF DATE OF BID OPENING
LAST DATE TO PROTEST AWARD	SEVEN (7) DAYS AFTER NOTICE OF INTENT TO AWARD

IN PARTNERSHIP BETWEEN:



&

CURRAN-MCLEOD, INC.
CONSULTING ENGINEERS, INC.

Location: 16000 SE Misty Drive
Happy Valley, OR 97086;
Telephone: (503) 783-3800;
Fax: (503) 658-5174
Website: happyvalleyor.gov

Location: 6655 SW Hampton St, Suite 210,
Portland, OR 97223;
Telephone: (503) 684-3478;
Fax: (503) 624-8247

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SECTION 1

INVITATION TO BID

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1.1 INVITATION TO BID

Notice is hereby given that the City of Happy Valley will open sealed bids from qualified contractors for the

2019 STREET IMPROVEMENTS PROJECT

ODOT CLASS OF WORK: Asphalt Concrete Paving and Oiling, and Pavement Markings

PUBLIC BID OPENING **Thursday, May 30, 2019 at 2:00 PM**

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM DUE **Thursday, May 30, 2019 at 4:00 PM**

No bids will be received or considered if submitted electronically or after the time of closing.

Generally, this project includes reconstruction, repair, and overlay street improvement for four (4) streets: SE Crest Hill Rd (*Schedule 'A'*), SE Chula Vista St/Ct (*Schedule 'B'*), SE Sieben Park Way (*Schedule 'C'*), & SE William Otty Rd (*Schedule 'D'*), all within the City of Happy Valley, Oregon.

Schedules 'A' (SE Crest Hill Rd) and 'B' (SE Chula Vista St/Ct) include the following proposed work:

- **Pavement Grinding to Full-Depth (4" +/-): 3,900+/-** square yards,
- **Cement-Treated Sub-Grade (CTB): 3,900+/-** square yards (**115** tons PCC, 6% Application Rate),
- **Paving Street to 4" Thickness: 3,900+/-** square yards (**900** tons),
- **Drainage:** Install **one (1)** new catch basin & **30+/-** lineal feet of HDPE storm line,
- **Striping: 10+/-** square feet of stop bars, and
- **Street Asphalt Repair: 250+/-** square yards of repair to 10" below top of existing base rock.

Schedule 'B' (SE Chula Vista St/Ct) also includes the following bid alternatives:

- **Bid Alternative #1:** Remove & replace **1.300+/-** lineal feet of curb, and
- **Bid Alternative #2:** Remove & replace **two (2)** existing catch basins.

Schedules 'C' (SE Sieben Park Way) and 'D' (SE William Otty Rd) include the following proposed work:

- **Pavement Grinding up to 2" Depth: 650+/-** square yards,
- **Overlay Street to 1" Thickness: 5,000+/-** square yards (**280** tons),
- **Striping: 30+/-** square feet of 12" bars, **2,400+/-** lineal feet of longitudinal striping (4" and 8"), **80+/-** lineal feet of parking striping (2"), **6+/-** each of stencils ("Book Drop", Bicycle),
- **Speed Humps: 2+/-** each of speed hump asphalt and striping restoration in-place, and
- **Street Asphalt Repair: 140+/-** square yards of repair to 10" below top of existing base rock.

Construction must be completed no later than **Friday, August 30, 2019**. Once construction on the project has begun, the contractor must reach substantial completion within **60** days of commencing activity.

Project and bid documents are available on the City's website (<https://www.happyvalleyor.gov/>) for downloading. Project and bid documents may also be purchased for **\$20** or reviewed at City Hall offices, located at *16000 SE Misty Drive, Happy Valley, OR 97086*, telephone (503) 783-3800. **Hours of operation are Monday through Friday from 8 AM to 5 PM.**

To perform work, bidders must be prequalified with the Oregon Department of Transportation for the class of work defined above. Proof of prequalification must be submitted to the City by **2:00 PM** on the **Date of Public Bid Opening**.

Sealed bids are to be sent to **Carol Earle, P.E.**, City Engineer at the **City Hall address** noted above, and may not be submitted by electronic means. All bids received by the date and time of Public Bid Opening will be opened at the City Hall address at the designated date and time noted above.

This public works contract is subject to State of Oregon prevailing rates of wage requirements, per **ORS 279C.800** through **279C.870**. The City will not receive or consider bids unless the bid contains a statement by the bidder that the bidder will comply with **ORS 279C.830**.

Bidders must be qualified in accordance with the applicable parts of **ORS 279C** in order to enter into a contract with the City. No bid shall be considered unless the bidder is registered with the Oregon Construction Contractors. Bidder shall also identify whether bidder is a current resident, as defined in **ORS 279A.120**.

The City of Happy Valley may reject any and all bids that do not comply with prescribed public bidding and contracting procedures and requirements, including the requirement to demonstrate the bidder's responsibility under **ORS 279C.375(3)(b)**, Award and Execution of Contract, and that the City of Happy Valley may reject for good cause any and all bids after finding that doing so is in the public interest.

CITY OF HAPPY VALLEY

*Economic & Community Development Department
Engineering Division*

Carol Earle, P.E.
City Engineer

NOTICE IS DATED the **13th** of **May, 2019**, and published as of this date on:

- Daily Journal of Commerce, Oregon website (<http://www.djcoregon.com/>)
- City of Happy Valley website (<https://www.happyvalleyor.gov/>)

SECTION 2

INSTRUCTIONS TO BIDDERS

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2.1 INSTRUCTIONS TO BIDDERS

EXPLANATION TO BIDDERS:

Any explanation regarding the meaning or interpretation of contract documents must be requested in writing, with sufficient allowance of time for receipt of reply before the time of bid closing. Any such explanations or interpretations shall be made in the form of addenda to the documents and shall be furnished to all bidders, who shall submit all addenda with their bids. Oral explanations and interpretations made prior to the bid closing shall not be binding.

2019 STREET IMPROVEMENTS PROJECT

BID CLOSING & PUBLIC BID OPENING Thursday, May 30, 2019 at 2:00 PM

FIRST-TIER SUBCONTRACTOR DISCLOSURE FORM DUE Thursday, May 30, 2019 at 4:00 PM

2.2 BIDDER'S QUALIFICATIONS:

Bidders must be pre-qualified with the Oregon Department of Transportation (ODOT) in accordance with the applicable parts of **ORS 279** and **ORS 701** and matters which can in any way affect the work hereof in order to enter into a Contract with the City of Happy Valley.

Bids will only be accepted from bidders prequalified with the Oregon Department of Transportation (ODOT) for the Class of Work as described in the bid documents. Proof of pre-qualification must be submitted to the City by 2:00 PM on the Date of Public Bid Opening.

No bids for construction contracts shall be received or considered by the City unless the bidder is licensed with the Oregon Construction Contractors.

In accordance with **ORS 279C.830(2)**, the CONTRACTOR shall:

1. Have a public work bond filed with the Construction Contractors Board prior to starting work on the project, and
2. Include in every sub-contract a provision requiring the sub-contractor to have a public works bond filed with the Construction Contractors Board before starting work.

2.3 EXAMINATION OF THE CONTRACT DOCUMENTS AND WORK SITE:

Bidders should carefully examine the bid and contract documents and familiarize themselves with the work site to fully acquaint themselves with all the conditions and matters which can in any way affect the work or the cost thereof.

Each bidder shall thoroughly examine and be familiar with legal and procedural documents, general conditions, specifications, drawings, plans, addenda (if any), and all other Contract Documents. The

submission of a bid shall constitute an acknowledgment upon which the City may rely, that the bidder is experienced in the uses and interpretation of plans and specifications such as those included in the Contract Documents and has thoroughly examined and is familiar with the Contract Document.

The failure or neglect of a bidder to receive or examine any of the Contract Documents, perform site investigations and/or other investigations or examinations shall in no way relieve the bidder from any obligations with respect to the bid or the contract. No claim for additional compensation will be allowed which is based upon a lack of knowledge of any Contract Documents or existing site conditions.

2.4 CONTRACTOR'S RESPONSIBILITY:

It is understood that the specifications and other contract documents do not purport to control the method of performing the work, but only the requirements as to the nature of the completed work. The Contractor assumes the entire responsibility for the method of performing and installing the work. Suggestions as to the method included in the contract documents shall be deemed advisory only and the feasibility of such methods or the lack thereof shall not affect the Contractor's liability or status as an independent Contractor under this contract.

2.5 LAWS AND REGULATIONS:

The bidder is assumed to be familiar with all applicable Federal, State, County or City laws or regulations, which in any manner affect those engaged or employed in the work or the materials or equipment used in the proposed construction, or which in any way affect the conduct of the work, and no plea of misunderstanding will be considered on account of ignorance thereof. If the bidder shall discover any provision in these specifications, plans or contract documents which is contrary to or inconsistent with any law or regulations, he or she shall report it to the City in writing.

2.6 WAGE RATES:

This contract for public work is subject to **ORS 279C.800** through **279C.870**. No bid will be received or considered by the public contracting agency unless the bid contains a statement by the bidder as a part of its bid that the provisions of **ORS 279C.800** through **ORS 279C.** are to be complied with. The Contractor shall pay the existing rate of wage which may be paid to workers in each trade or occupation required for such public work employed in the performance of the contract either by the Contractor or subcontractor or other person doing or contracting to do the whole or any part of the work contemplated by the contract, and such workers shall be paid not less than the specified minimum hourly rate of wage as set forth in the latest applicable edition of the Prevailing Wage Rates for Public Works in accordance with **279C.830** and as detailed in **SECTION 7** of these Bid Documents.

2.7 BID GUARANTY:

Bid Guaranty, or Bid Security, shall be submitted with the Bid Proposal and failure to submit shall be cause for rejection of the bid. The bidder, at his or her option, shall furnish a bid bond, cashier's check or a certified check made to the City of Happy Valley for an amount equal to no less than ten (10) percent of the total amount of the bid. Security deposited by unsuccessful bidders will be returned as soon as practicable after the bid opening. Said bonds shall be in the form herein prescribed or approved substitute form and shall be the surety bonds of an incorporated surety company licensed to transact surety business in the State of Oregon and said bonds shall be in all respects satisfactory and acceptable to the City.

2.8 PREPARATION OF BIDS:

Bidders must submit their proposals on the proposal form attached hereto. The blank spaces in the proposal must be filled in correctly where indicated for each and every item for which a quantity is given, and the bidders must state the unit prices, typed or written in ink, both in words and in numerals. Any correction to entries made on the proposal forms shall be initialed by the person signing the proposal. In case of discrepancy between the unit prices and amounts, the unit prices will govern. Alternative bids will not be considered unless specifically called for.

Bids submitted electronically or via telegraphic or FAX methods will not be considered.

Each bidder represents that his bid is based upon the specific materials and equipment, described in these Bid Documents. Specific manufacturer names and model numbers (if any) cited in the Specifications (**SECTION 8**) indicate the required quality and features of items. Bidders wishing to provide items by different manufacturers shall request acceptance of their proposed substitutions in accordance with the following requirements:

No substitutions will be considered unless written request has been submitted to the Engineering Manager for approval prior to the closing date for bids. Each such request shall include a complete description of the proposed substitute, and any other data or information necessary for a complete evaluation. Substitutions will be accepted only with the understanding that the supplier guarantees substituted material or equipment to be equal or better than that specified and meets all requirements of the Specifications.

Accepted substitutes will be listed in addenda mailed or delivered to each person or firm recorded by the Engineering Manager as having received the Bid Documents and will be available for inspection at City Hall, located at *16000 SE Misty Drive, Happy Valley, OR 97086*.

2.9 SPECIFICATION LIMITING COMPETITION:

Bidders may comment on any specification or requirement contained within this Bid which they feel limits competition in the selection of a bid to perform the services herein defined. Protests shall detail the reasons and any proposed changes to the specifications. Such comments shall be formal in writing and are to be addressed to:

**Carol Earle, P.E., City Engineer
Happy Valley City Hall
16000 SE Misty Drive, Happy Valley, OR 97086
(503) 783-3815**

Such comments shall be submitted no later than **4:00 PM, Seven (7) Calendar Days prior to the date of Public Bid Opening**. No comments will be accepted after that time. Any substitutions for items specified will not be accepted without prior written approval of the City Engineer.

2.10 PROTEST OF AWARD:

The *Notice of Intent to Award* by the City of Happy Valley shall constitute a final decision of the City to award the contract if no written protest of the award is filed with the City Engineering Manager within **Seven (7) Calendar Days** of the *Notice of Intent to Award*. If a protest is timely filed, the *Notice of Intent to Award* is a final decision of the City only upon issuance of a written decision denying the protest and affirming the award. The *Notice of Intent to Award* and any written decision denying protest shall be sent to every bidder who provided an address.

Right to Protest. Any actual bidder who is adversely affected or aggrieved by the City's *Notice of Intent to Award* to another bidder on the same solicitation shall have **Seven (7) Calendar Days** after *Notice of Intent to Award* to submit to the City Engineer a written protest of the award. The written protest shall specify the grounds upon which the protest is based. In order to be an adversely affected or aggrieved bidder with a right to submit a written protest, a bidder must be next in line for award, i.e. the protester must claim that all higher rated bidders are ineligible for award because they are non-responsive or non-responsible. The City will not entertain protests submitted after the time period established in this rule.

2.11 SUBMISSION OF BIDS:

All Bids must be submitted to the City Engineer and prepared in a sealed envelope bearing on the outside the name and address of the bidder, the name of the project for which the bid is submitted, the time and date of the **Public Bid Opening**, and addressed to **Carol Earle, P.E., City Engineer** at City Hall as listed in Section 2.9 above.

If the bid is forwarded by mail, the sealed envelope containing the bid and marked as directed above, must be enclosed in another envelope addressed as specified above.

2.12 SUBCONTRACTORS:

In accordance with **ORS 279C.370**, when the contract value for a public improvement is greater than \$100,000, bidders are required to disclose information about First-Tier Subcontractors.

The First-Tier Sub-Contractor Disclosure Form may be submitted with the bid in the same envelope at the Bid Closing date and time. Those subcontractor lists submitted after the bid closing shall be delivered in a separate sealed envelope that clearly identifies the contents. However, the subcontractor lists MUST be submitted within two hours of the bid closing date and time.

Within two working hours of the date and time of the deadline when the bids are due to the City for a public improvement, the bidder shall submit to the City a disclosure of the first-tier subcontractors that (A) will be furnishing labor, or will be furnishing labor and materials in connection with the public improvement, and (B) will have a contract value that is equal to or greater than five percent of the total project bid or \$15,000, whichever is greater; or \$350,000, regardless of the percentage of the total project bid.

The disclosure of first-tier subcontractors shall include the name of each subcontractor, the category of work that each subcontractor will perform, and the dollar value of each subcontract. This disclosure shall be submitted on the form as provided in **SECTION 3** of these Bid Documents.

The City shall consider the bid of any contractor that does not submit a subcontractor disclosure to the City prior the date and time as noted above to be a nonresponsive bid and may not award the contract to that contractor. The City is not required to determine the accuracy or the completeness of the subcontractor disclosure.

2.13 RECEIPT AND OPENING OF BIDS:

Bids shall be submitted prior to the time fixed in the Invitation to Bid as advertised and included with these Bid Documents. Bids received after the time so designated will be considered late bids and will be returned unopened. No responsibility will be attached to any official of the City for the premature opening of, or the failure to open, a bid not properly addressed and identified.

2.14 WITHDRAWAL OF BIDS:

Bids may be withdrawn at any time prior to the date and time of Bid Closing upon written or email request of the bidder. Negligence on the part of the bidder in preparing his or her bid shall not constitute a right to withdraw their bid after it has been opened.

2.15 PRESENCE OF BIDDERS AT OPENING:

At the time and place fixed for opening of bids, the contents of all bids will be made public for the information of all bidders and other interested parties who may be present in person or by representative.

2.16 BIDDERS INTERESTED IN MORE THAN ONE BID:

If more than one bid is offered by one party, or by any person or persons representing a party, all such bids shall be rejected. A party who has quoted prices to a bidder is not thereby disqualified from quoting prices to other bidders or from submitting a direct bid on his or her own behalf.

2.17 AWARD OF CONTRACT:

The contract will be awarded as soon as practicable to the lowest responsive, responsible bidder, price and other factors considered, provided the bid is reasonable and it is to the interest of the City. Award will be made to one bidder and one bidder only. The City reserves the right to reject any and all bids.

In determining the lowest responsible bidder, the City shall, pursuant to **ORS 279A.120** for the purposes of awarding the contract, add a percent increase on the bid of a nonresident 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 a business address in this state and has stated in the bid whether the bidder is a "resident bidder".

Contractor or individuals awarded a contract shall provide the City with a correct Department of the Treasury Internal Revenue Service Tax Identification Number (TIN). In the event that the TIN is incorrect or inconsistent with the Contractor's name as described in this contract, the City may withhold taxes as required by law, or cancel or suspend further services under this contract, at the City's option, until the discrepancy is corrected.

The acceptance of a bid shall bind the successful bidder to execute the contract.

2.18 REJECTION OF BIDS:

The City reserves the right to reject any and all bids. Bids may be rejected if they show any alteration of form, admissions not called for, conditions or alternate bids, irregularities of any kind, or that they contain a clause in which the bidder reserves the right to accept or reject a contract awarded to him except as herein provided, or if they do not comply with prescribed public contracting procedures and requirements including the requirement to demonstrate the bidders responsibility under **ORS 279C.375(3)(b)**. Bids in which the prices are obviously unbalanced may be rejected.

The City reserves the right to waive any informality in bids received when such waiver is in the interest of the City.

2.19 SURETY BONDS:

To guarantee the faithful performance of the contract, the successful bidder will be required to furnish a Performance Bond and a Payment Bond in an amount equal to the full amount of the contract as amended. Said bonds shall be in the form herein prescribed or approved substitute form and shall be the surety bonds of an incorporated surety company licensed to transact surety business in the State of Oregon and said bonds shall be in all respects satisfactory and acceptable to the City.

The Contractor also agrees that at the completion of the project and prior to receiving final acceptance by the City, the Contractor shall provide the City with a Maintenance Bond in the amount of 25% of the contracted amount, which covers any defects in either materials or workmanship, for a period of **two (2) years** from the date of acceptance.

2.20 EXECUTION OF THE CONTRACT:

The successful bidder shall within **ten (10) calendar days** from the date of receiving from the City the contract prepared and ready for execution, furnish the City the corporate surety bond specified herein and enter into contract with the City. If the successful bidder fails to comply with any of the requirements herein, the City may, at its option, determine that the bidder has abandoned the contract and there upon the security accompanying this proposal shall be forfeited and the same shall become the property of the City.

2.21 ENVIRONMENTAL AND NATURAL RESOURCES LAWS

In compliance with ORS 279C.525, lists of federal, state and local agencies of which the City has knowledge that have enacted ordinances or regulations relating to environmental pollution and the preservation of natural resources that may affect the performance of the Contract are listed in the 2018 Oregon Department of Transportation Standard Specifications for Construction, Section 00170.01.

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SECTION 3

**BID PROPOSAL
SCHEDULE OF VALUES
FIRST-TIER SUBCONTRACTOR FORM**

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3.1 BID PROPOSAL

Submitted by: _____

Address: _____

Date: _____, 2019 Phone number: _____

Federal Tax I.D. Number or Social Security Number: _____

The undersigned, as a bidder, declares that he has carefully examined the location of the worksites, that he has examined *SECTION 2 (Instruction to Bidders), Standard Specifications and Special Provisions, and Plans and Drawings*, and hereby proposes to furnish all materials and equipment and do all the work required to complete the project entitled **2019 STREET IMPROVEMENTS PROJECT** in accordance with the said *Specifications* herein for the bid prices set forth in the "*Schedule of Bid Prices*" attached hereto and forming a part of this proposal. The bidder agrees to complete the project within the contract term.

This proposal is accompanied by a certified check, cashier's check or bid bond in the amount of 10% of the total bid.

The Bidder, by his signature below, certifies that he is qualified to perform the work and hereby represents as follows:

- a) That no Councilor, officer, agency or employee of the City of Happy Valley is personally interested directly or indirectly in this contract or the compensation to be paid hereunder, and that no representation, statement or statements, oral or in writing, of the City, its Councilors, officers, agents, or employees had induced him to enter into this contract and the papers made a part hereof by its terms.
- b) That this bid is made without connection with any person, firm or corporation making a bid for the same material, and is in all respects, fair and without collusion or fraud.
- c) I, the undersigned, certify that this bid has been arrived at independently and has been submitted without any collusion designed to limit independent bidding or competition.
- d) I, the undersigned, agree to be bound by the form of agreement and all remaining contract documents, including *Instructions to Bidders; Standard Terms and Conditions; Special Conditions; Plans and Specifications*; and all State and Federal Provisions as applicable.
- e) I, the undersigned, agree to comply with the provisions of ORS 279C.800 through ORS 279C.870, relating to Prevailing Rates of Wage requirements, as applicable.

- f) I, the undersigned, certify that the Bidder holds current licenses that businesses or services professionals operating in this state must hold in order to undertake or perform the work specified in these contract documents.
- g) I, the undersigned, certify that the Bidder has not discriminated against minority, women, or emerging small business enterprises, or a business enterprise that is owned or controlled by or that employs a disabled veteran in obtaining subcontracts.
- h) I, the undersigned, certify that the Bidder is legally qualified to contract with the City of Happy Valley.
- i) I, the undersigned, certify that the Bidder qualifies as a carrier insured employer or a self-insured employer under ORS 656.407 or has elected coverage under ORS 656.128.
- j) I, the undersigned, certify that the Bidder is covered by liability insurance and other insurance in the amount(s) required by the solicitation.
- k) Contractor shall commence no work under this contract until the Contractor and every subcontractor has a public works bond filed with the Construction Contractors Board in accordance with ORS279C.830 and all other bonding and insurance requirements have been met and a *Notice to Proceed* has been issued.
- l) Contractor shall commence no work under this contract until all bonding and insurance requirements have been met and a *Notice to Proceed* has been issued.
- m) Upon receiving notice to proceed from the Project Manager, the Contractor shall meet with the Project Manager for a preconstruction conference at a time mutually agreed upon. At this conference, the Contractor shall furnish the Project Manager with a proposed schedule of work.
- n) In the event the Bidder is awarded the contract and shall fail to complete the work within the time frame specified, including extensions granted, liquidated damages and engineering expenses shall be paid to the City as outlined in the *Standard Specifications* for each day of delay in the completion of the work.

The Bidder further proposes to accept the following amount as full payment for the work proposed herein to complete the project and agrees that the price represents a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type of work called for in these Contract Documents. The total amount shall be shown in both words and figures. In case of a discrepancy, the amount shown in words shall govern.

If the Bidder is awarded a Contract on this Proposal, the surety who will provide the **Performance Bond** will be:

_____, whose
address is: _____

Contractor shall check if in compliance:

Drug Testing Requirement, as defined in ORS 279C.505

Contractor shall check applicable box:

Resident Bidder As defined in ORS 279A.120

Non-Resident Bidder Resident State: _____

CONSTRUCTION CONTRACTORS REGISTRATION

No bids for construction contracts shall be received or considered by the Agency unless the bidder is licensed with the Oregon Construction Contractors Board and, if applicable, the State Landscape Contractors Board as required by ORS 671.530. The undersigned states that the bidder is now registered with the Oregon Construction Contractors Board:

Indicate Registration Number and Expiration Date: _____
Workers' Comp Insurance Company: _____
Workers' Comp Policy/Binder Number: _____

The names of the principal officers of the corporation submitting this proposal; or of the partnership; or of all persons interested in this proposal as principals; are as follows:

Name	Title
_____	_____
_____	_____

(If Sole Proprietor or Partnership)

In witness hereto, the undersigned has set his (its) hand this

_____ day of _____, 2019

Name of Firm

Signature of Bidder

(If Corporation)

In witness whereof, the undersigned corporation has caused this instrument to be executed by its duly authorized officers this

_____ day of _____, 2019

Name of Corporation

By

Title



2019 STREET IMPROVEMENT PROJECT

Pavement Restoration Project

Schedule 'A': Crest Hill Rd

SCHEDULE OF VALUES

BID ITEM	ODOT #	DESCRIPTION	SCH. 'A' QTY	UNIT	UNIT PRICE	TOTAL COST
1	210	Mobilization	1	LS	\$	\$
2	225	Work Zone Traffic Control & Public Notification	1	LS	\$	\$
5	310.g	Asphalt Pavement Saw Cutting	55	LF	\$	\$
7	330.a	General Excavation	45	CY	\$	\$
8	344.a	Treated Sub-Grade/Sub-Base, 12 Inches Thick	1,335	SY	\$	\$
9	344.c	Portland Cement Powder	40	TON	\$	\$
10a	445.a	10-Inch HDPE Pipe, Including Trenching & Rock Backfill	30	LF	\$	\$
10b	470.k	Catch Basins, Standard GB-2	1	Ea	\$	\$
11	480	Drainage Curbs, 4" Asphalt Berm	600	LF	\$	\$
12	490.d	Adjusting Boxes, Cleanout & Gas/Water Valve Cans	1	EA	\$	\$
13	490.a	Minor Adjustment of Manholes	3	EA	\$	\$
15	620	Asphalt Grinding/Cold Plane Pavement Removal, 1- to 4-Inch Depth	1,335	SY	\$	\$
16	641.c	3/4"-0" Aggregate Base, 2-Inches Thick	1,335	SY	\$	\$
17	641.g	3/4"-0" Aggregate Shoulders, 6-Inches Thick	135	SY	\$	\$
18	745.1	Level 2, 1/2-Inch ACP/HMAC, Full-Depth, 4-Inches Thick in 2 Lifts	300	TON	\$	\$
20	748	14-Inch Asphalt Concrete Pavement Repair & Base Repair	125	SY	\$	\$
28	867.v	Pavement Bar, Type AB, Stop & Crosswalk Bar(s), 12" White Striping	10	SF	\$	\$
<i>CONSTRUCTION TOTAL FOR SCHEDULE 'A'</i>						\$



2019 STREET IMPROVEMENT PROJECT

Pavement Restoration Project

Schedule 'B': Chula Vista St/Ct

SCHEDULE OF VALUES

BID ITEM	ODOT #	DESCRIPTION	SCH. 'B' QTY	UNIT	UNIT PRICE	TOTAL COST
1	210	Mobilization	1	LS	\$	\$
2	225	Work Zone Traffic Control & Public Notification	1	LS	\$	\$
5	310.g	Asphalt Pavement Saw Cutting	35	LF	\$	\$
7	330.a	General Excavation	30	CY	\$	\$
8	344.a	Treated Sub-Grade/Sub-Base, 12 Inches Thick	2,550	SY	\$	\$
9	344.c	Portland Cement Powder	75	TON	\$	\$
12	490.d	Adjusting Boxes, Cleanout & Gas/Water Valve Cans	4	EA	\$	\$
13	490.a	Minor Adjustment of Manholes	3	EA	\$	\$
15	620	Asphalt Grinding/Cold Plane Pavement Removal, 1- to 4-Inch Depth	2,550	SY	\$	\$
16	641.c	3/4"-0" Aggregate Base, 2-Inches Thick	2,550	SY	\$	\$
18	745.1	Level 2, 1/2-Inch ACP/HMAC, Full-Depth, 4-Inches Thick in 2 Lifts	575	TON	\$	\$
SCHEDULE 'B' BASE BID SUB-TOTAL:						\$
29	310.b	BID ALTERNATIVE #1: Removal of Curbs	1,300	LF	\$	\$
30	641.c	BID ALTERNATIVE #1: 3/4"-0" Aggregate Base, 2-Inches Thick	140	SY	\$	\$
31	759.a	BID ALTERNATIVE #1: Concrete Curbs, Standard Vertical	1,300	LF	\$	\$
SCHEDULE 'B' BID ALTERNATIVE #1 SUB-TOTAL:						\$
32	310.e	BID ALTERNATIVE #2: Removal of Inlets	2	EA	\$	\$
33	470.k	BID ALTERNATIVE #2: Catch Basins, Standard GB-2	2	EA	\$	\$
SCHEDULE 'B' BID ALTERNATIVE #2 SUB-TOTAL:						\$
CONSTRUCTION TOTAL FOR SCHEDULE 'B' GRAND TOTAL						\$

SHEET 2 OF 5



2019 STREET IMPROVEMENT PROJECT

Pavement Restoration Project

Schedule 'C': Sieben Park Way

SCHEDULE OF VALUES

BID ITEM	ODOT #	DESCRIPTION	SCH. 'C' QTY	UNIT	UNIT PRICE	TOTAL COST
1	210	Mobilization	1	LS	\$	\$
2	225	Work Zone Traffic Control & Public Notification	1	LS	\$	\$
3	310.b	Removal of Curbs	16	LF	\$	\$
4	310.c	Removal of Concrete Sidewalk	6	SY	\$	\$
12	490.d	Adjusting Boxes, Cleanout & Gas/Water Valve Cans	1	EA	\$	\$
13	490.a	Minor Adjustment of Manholes	1	EA	\$	\$
14	490.e	Adjusting Catch Basins	4	EA	\$	\$
15	620	Asphalt Grinding/Cold Plane Pavement Removal, 1- to 4-Inch Depth	295	SY	\$	\$
19a	745.2	Level 3, 3/8-Inch ACP/HMAC, Thin-Lift Overlay, 1-Inch Thick	105	TON	\$	\$
19b	745.2	Level 3, 3/8-Inch ACP/HMAC, Pre-Leveling	32	TON	\$	\$
20	748	14-Inch Asphalt Concrete Pavement Repair & Base Repair	85	SY	\$	\$
22	759.a	Concrete Curbs, Standard Vertical	16	LF	\$	\$
26	867.t	Pavement Legend, Type AB: Parallel Parking Stall, 4" White Line	40	LF	\$	\$
27	867.u	Pavement Legend, Type AB: "Book Drop Only" Lettering, 6" White Stencils	4	EA	\$	\$
28	867.v	Pavement Bar, Type AB, Stop & Crosswalk Bar(s), 12" White Striping	20	SF	\$	\$
CONSTRUCTION TOTAL FOR SCHEDULE 'C'						\$



2019 STREET IMPROVEMENT PROJECT

Pavement Restoration Project

Schedule 'D': William Otty Rd

SCHEDULE OF VALUES

BID ITEM	ODOT #	DESCRIPTION	SCH. 'D' QTY	UNIT	UNIT PRICE	TOTAL COST
1	210	Mobilization	1	LS	\$	\$
2	225	Work Zone Traffic Control & Public Notification	1	LS	\$	\$
6	310.h	Removal of Asphalt Concrete Speed Humps	2	EA	\$	\$
12	490.d	Adjusting Boxes, Cleanout & Gas/Water Valve Cans	2	EA	\$	\$
13	490.a	Minor Adjustment of Manholes	2	EA	\$	\$
15	620	Asphalt Grinding/Cold Plane Pavement Removal, 1- to 4-Inch Depth	350	SY	\$	\$
19a	745.2	Level 3, 3/8-Inch ACP/HMAC, Thin-Lift Overlay, 1-Inch Thick	175	TON	\$	\$
19b	745.2	Level 3, 3/8-Inch ACP/HMAC, Pre-Leveling	53	TON	\$	\$
20	748	14-Inch Asphalt Concrete Pavement Repair & Base Repair	55	SY	\$	\$
21	749.j	Extra for Asphalt Concrete Speed Humps	2	EA	\$	\$
23	865.j.1	Thermoplastic, Extruded/Sprayed, Surface, Non-Profiled, 4" Double Yellow	800	LF	\$	\$
24	865.j.2	Thermoplastic, Extruded/Sprayed, Surface, Non-Profiled, 8" White	1,600	LF	\$	\$
25	867.m	Pavement Legend, Type B-HS: Bicycle Lane Stencil	2	EA	\$	\$
28	867.v	Pavement Bar, Type AB, Stop & Crosswalk Bar(s), 12" White Striping	10	SF	\$	\$
29	867.q.3	Pavement Legend, Type AB: Speed Hump, White	2	EA	\$	\$
CONSTRUCTION TOTAL FOR SCHEDULE 'D'						\$



2019 STREET IMPROVEMENT PROJECT

Pavement Restoration Project

All Schedules (Total)

SCHEDULE OF VALUES

BID ITEM	ODOT #	DESCRIPTION	TOTAL QTY	UNIT	UNIT PRICE	TOTAL COST
SHEET 5 OF 5		CONSTRUCTION TOTAL FOR SCHEDULE 'A'				\$
		CONSTRUCTION TOTAL FOR SCHEDULE 'B'			BASE BID	\$
					BID ALT #1	\$
					BID ALT #2	\$
		CONSTRUCTION TOTAL FOR SCHEDULE 'C'				\$
		CONSTRUCTION TOTAL FOR SCHEDULE 'D'				\$
		CONSTRUCTION TOTAL FOR ALL SCHEDULES				\$

Dollars

Total Bid Amount (In Words)

Contractor Company Name: _____

Contact Name: _____

Telephone Number: _____

Please use this form to submit bid

Bids Due no later than 2:00 PM on Thursday, May 30th, 2019
 mailed or delivered to City of Happy Valley, 16000 SE Misty Drive
 ATTN: Carol Earle, City Engineering

BIDDER'S CHECKLIST

1. Submittal of bid security in the amount of 10% of the bid for bids over \$10,000.
2. Acknowledgement of addenda form.
3. Indication of resident/non-resident bidder in the proposal section.
4. Submittal of first tier sub-contractors disclosure form for projects over \$100,000.

Requirements #1, #2 And #3 are due at 2:00 PM, requirement #4 is due no later than 4:00 PM on the bid opening date. Apparent lowest bidder shall submit application & ODOT pre-qualification letter within five business days after bid opening

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3.3 FIRST-TIER SUB-CONTRACTOR DISCLOSURE FORM

PROJECT NAME: 2019 STREET IMPROVEMENTS PROJECT

BID #: _____

BID OPENING: Date: Thursday, May 30, 2019 Time: 2:00 PM

Failure to submit this form by the disclosure deadline will result in a non-responsive bid. A non-responsive bid will not be considered for award.

INSTRUCTIONS: [ORS 279C.370]

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

Unless otherwise stated in the solicitation, this document shall not be submitted by facsimile. It is the responsibility of bidders to submit this disclosure form and any additional sheets with the project name clearly marked, at the location indicated by the specified disclosure deadline.

Sub-contractor lists may be submitted with the bid in the same envelope at the bid closing date and time. Those sub-contractor lists submitted after the bid closing shall be delivered in a separate sealed envelope that clearly identifies the contents. However, the subcontractor list **MUST** be submitted within two (2) hours of the bid closing date and time.

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

SUB-CONTRACTOR NAME	DOLLAR VALUE	CATEGORY OF WORK
(1) _____	\$ _____	_____
(2) _____	\$ _____	_____
(3) _____	\$ _____	_____
(4) _____	\$ _____	_____
(5) _____	\$ _____	_____
(6) _____	\$ _____	_____

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

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

Form Submitted By (Bidder): _____

Bidder Signature: _____

Contact Name: _____ **Phone no.:** _____

ORS 279C.370 First-tier sub-contractor disclosure. (1) (a) Within two working hours after the date and time of the deadline when bids are due to a contracting agency for a public improvement contract, a bidder shall submit to the contracting agency a disclosure of the first-tier subcontractors that:

- (A) Will be furnishing labor or will be furnishing labor and materials in connection with the public improvement contract; and
- (B) Will have a contract value that is equal to or greater than five percent of the total project bid or \$15,000, whichever is greater, or \$350,000 regardless of the percentage of the total project bid.
- (b) For each contract to which this subsection applies, the contracting agency shall designate a deadline for submission of bids that has a date on a Tuesday, Wednesday or Thursday and a time between 2 p.m. and 5 p.m., except that this paragraph does not apply to public contracts for maintenance or construction of highways, bridges or other transportation facilities.
- (c) This subsection applies only to public improvement contracts with a value, estimated by the contracting agency, of more than \$100,000.
- (d) This subsection does not apply to public improvement contracts that have been exempted from competitive bidding requirements under ORS 279C.335 (Competitive bidding) (2).
- (2) The disclosure of first-tier subcontractors under subsection (1) of this section must include the name of each subcontractor, the category of work that each subcontractor will perform and the dollar value of each subcontract. The information shall be disclosed in substantially the following [above] form:
- (3) A contracting agency shall accept the subcontractor disclosure. The contracting agency shall consider the bid of any contractor that does not submit a subcontractor disclosure to the contracting agency to be a nonresponsive bid and may not award the contract to the contractor. A contracting agency is not required to determine the accuracy or the completeness of the subcontractor disclosure.
- (4) After the bids are opened, the subcontractor disclosures must be made available for public inspection.
- (5) A contractor may substitute a first-tier subcontractor under the provisions of ORS 279C.585 (Authority to substitute undisclosed first-tier subcontractor).
- (6) A subcontractor may file a complaint under ORS 279C.590 (Complaint process for substitutions of subcontractors) based on the disclosure requirements of subsection (1) of this section. [2003 c.794 §116; 2005 c.103 §16]

SECTION 4

BID BOND

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4.1 BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____
(Name of Contractor)

as Principal, hereinafter called the Principal, and _____

a corporation, duly authorized to do a general surety business in Oregon, as SURETY, and

jointly and severally held and bound unto _____
(Name of Obligee)

as Obligee, hereinafter called the Obligee, in the sum of _____ Dollars

(\$ _____), for the payment of which sum well and truly to be made, the said Principal and the said Surety, bid ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for _____

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

Signed and sealed this _____ day of _____, 2019.

Principal: _____

Surety: _____

By: _____

By: _____

Title: _____

Title: _____

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SECTION 5

**PERFORMANCE &
PAYMENT BONDS**

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5.1 PERFORMANCE BOND

Project Title: _____
Land Use/Project Number: _____
Bond Number _____

We, _____ as Principal (“Principal”), and _____, a corporation organized under the State of _____ and authorized to transact surety business in the State of Oregon, as Surety (“Surety”), jointly and severally bind ourselves, our respective heirs, executors, administrators, successors, and assigns unto the City of Happy Valley, Oregon (“City” and/or “Obligee”), for payment of this performance guarantee (“Guarantee”) in the amount of _____ (\$_____) as provided herein.

An application has been received by the City for a permit to construct improvements for _____ (“the Project”), as described in Exhibit A. The improvements will be constructed according to and consistent with final construction plans approved by the City.

As a condition of the final approval of said improvements by City, Principal has agreed to furnish a financial guarantee to the City for the faithful performance and operability of the Project and to guarantee the work thereunder for a period of twenty-four (24) months running from the last date of the City’s partial or full release of the Performance Guarantee.

If Principal fully performs its obligations consistent with the terms of the final construction plans as well as all other contracted obligations the Principal has with the City concerning the Project, Surety’s obligations for payment of funds under this Guarantee will then be null and void. Absent that performance by Principal, Surety’s obligations remain in full force and effect.

Surety waives any requirement to be notified of alterations or extensions of time or any other authorized modifications made by City to the Project.

If Principal fails to fully and faithfully construct or complete the work required of it for the Project, City is entitled to be paid all funds under this Guarantee upon delivery of written notice to Surety by the City that the required work on Project has not been performed to City’s full satisfaction.

Surety shall be obligated to and shall disburse the amount(s) of funds deemed necessary by City, which may be either a partial or full portion of the Guarantee. Payment(s) shall be made within thirty (30) business days of receiving written demand for said funds from the City. City may make serial demands for portions of the Guarantee, up to and including the full amount of the Guarantee.

Surety shall have neither the duty nor right to evaluate or challenge the correctness or appropriateness of City's demand(s) or underlying determination(s) and shall not interplead or in any manner delay payment of said funds to City. Alternatively, the City may request Surety use funds payable under this Guarantee to construct or complete the work.

Surety and Principal further agree that twenty-five percent (25%) of the cost of the facilities as approved by the City Engineer or designee will remain in place to warrant to City that the construction is and will remain for a period of twenty-four (24) months from the date of acceptance, free from defects in materials and workmanship. This provision may not be applicable certain for private improvements.

Surety agrees to keep City fully advised of any change of information concerning the registered agents below. The Surety's obligation on the guarantee is non-assignable without prior written consent from the City.

City	Principal	Surety or Attorney-in-Fact
Printed Name of Authorized City Signatory	Printed Name of Principal	Printed Name of Authorized Surety or Attorney-in-Fact Signatory
Title	Title	Title
Signature of Authorized City Signatory	Signature of Principal	Signature of Authorized Surety or Attorney-in-Fact Signatory
Address Line 1	Address Line 1	Address Line 1
Address Line 2	Address Line 2	Address Line 2
Date	Date	Date
	Telephone Number	Telephone Number
	Email Address	Email Address

Exhibit A

Generally, this project includes reconstruction, repair, and overlay street improvement for four (4) streets: SE Crest Hill Rd (*Schedule 'A'*), SE Chula Vista St/Ct (*Schedule 'B'*), SE Sieben Park Way (*Schedule 'C'*), & SE William Otty Rd (*Schedule 'D'*), all within the City of Happy Valley, Oregon.

Schedules 'A' (SE Crest Hill Rd) and 'B' (SE Chula Vista St/Ct) include the following proposed work:

- **Pavement Grinding to Full-Depth (4" +/-): 3,900+/-** square yards,
- **Cement-Treated Sub-Grade (CTB): 3,900+/-** square yards (**115** tons PCC, 6% Application Rate),
- **Paving Street to 4" Thickness: 3,900+/-** square yards (**900** tons),
- **Drainage:** Install **one (1)** new catch basin & **30+/-** lineal feet of HDPE storm line,
- **Striping: 10+/-** square feet of stop bars, and
- **Street Asphalt Repair: 250+/-** square yards of repair to 10" below top of existing base rock.

Schedule 'B' (SE Chula Vista St/Ct) also includes the following bid alternatives:

- **Bid Alternative #1:** Remove & replace **1.300+/-** lineal feet of curb, and
- **Bid Alternative #2:** Remove & replace **two (2)** existing catch basins.

Schedules 'C' (SE Sieben Park Way) and 'D' (SE William Otty Rd) include the following proposed work:

- **Pavement Grinding up to 2" Depth: 650+/-** square yards,
- **Overlay Street to 1" Thickness: 5,000+/-** square yards (**280** tons),
- **Striping: 30+/-** square feet of 12" bars, **2,400+/-** lineal feet of longitudinal striping (4" and 8"), **80+/-** lineal feet of parking striping (2"), **6+/-** each of stencils ("Book Drop", Bicycle),
- **Speed Humps: 2+/-** each of speed hump asphalt and striping restoration in-place, and
- **Street Asphalt Repair: 140+/-** square yards of repair to 10" below top of existing base rock.

All final quantities and scope of construction subject to requirements specified by the Contract Construction Plan Set and Special Provisions included herein, all addenda and change orders, and all other changes in quantity as specified by the City and agreed upon between the City and the Contractor.

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5.2 PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____

as PRINCIPAL, and _____

a corporation, duly authorized to do a general surety business in Oregon, as SURETY, and jointly and severally held and bound unto

the OBLIGEE herein, in the sum of _____

_____ (dollars) (\$)

for the payment of which we jointly and severally bind ourselves, our heirs, executors, administrators, successors, and assigns, firmly by these presents:

THE CONDITION OF THIS BOND IS SUCH THAT

WHEREAS, _____
(Contractor)

the PRINCIPAL herein, on the _____ day of _____, 2019

entered into it contract with the OBLIGEE which contract documents consist of the "Invitation to Bid", the "Instructions to Bidders", the "Bid Proposal, Schedule of Prices and Subcontractor Form", the "Bid Bond", the "Performance Bond and the Payment Bond", the "Certificate or Insurance", the "Prevailing Wage Rates for Public Contracts in Oregon" the "Standard Specifications and Special Provisions", "the Plans, Drawings and Exhibits", and the "Agreement Form" all as hereto attached and made a part hereof, whereby said PRINCIPAL undertakes to promptly make payment for all labor,

(Cont'd)

Page 1 of 3

Payment Bond Form Rev. 2/28/2018

Initials ___ / ___

services, material, and sums due the workmen's compensation board or equivalent, the collector of internal revenue, the unemployment compensation trust fund, and the treasurer of the State of Oregon in conformity with all laws, state and national, applicable thereto.

NOW, THEREFORE, if said PRINCIPAL herein shall promptly pay all persons furnishing labor, services and material, and sums due for workmen's compensation insurance or equivalent, social security and unemployment compensation, sums due to the Department of Revenue, to him and to his subcontractor, or to their assigns, on or about said work then this obligation shall be void; but otherwise it shall remain in full force and effect.

PROVIDED, HOWEVER, that this bond is subject to the following conditions:

- (a) All material men, and all persons who shall supply such laborers, mechanics, or subcontractors with material, supplies or provisions for carrying on such work, shall have a direct right of action against the PRINCIPAL and SURETY on this bond, second only to the right of the OBLIGEE under this bond, which right of action shall be asserted in proceedings instituted in the appropriate court of the State of Oregon, and insofar as permitted by the laws of Oregon, such right of action shall be asserted 'in a proceeding instituted in the name of the OBLIGEE to the use and benefit of the person, firm, or corporation instituting such action and of all other persons, firms, or corporations having claims hereunder, and any other person, firm or corporation having a claim hereunder shall have the right to be made a party to such proceeding (but not later than one year after the complete performance of said contract and final acceptance of the work in the contract) and to have such claim adjudicated in such action and judgment rendered thereon.
- (b) The said 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 there under or the specifications accompanying the same shall in any way affect its obligations on 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 specifications.
- (c) The PRINCIPAL herein shall faithfully and truly observe and comply with the terms of the contract and shall promptly make payments to all persons supplying labor or material for any prosecution of the work provided for in such contract and shall not permit any lien or claim to be filed or prosecution against the OBLIGEEES, on account of any labor or material furnished, and shall promptly pay all contributions or amount due the workmen's compensation board or equivalent and all contributions or amounts due the state employment compensation trust fund incurred in the performance of said contract, and shall also pay all sums of money withheld from the employees and payable to the state tax commission pursuant to ORS 316.711, and shall do all things required of said PRINCIPAL by the laws of this state.

This bond is given and received under the authority of ORS Chapter 279, the provisions of which hereby are incorporated into this bond and made a part hereof.

IN WITNESS WHEREOF, the parties hereto have caused this bond to be executed in _____

_____, this _____ day of _____, 2019

_____ (SEAL)

PRINCIPLE

WITNESSES:

_____ (SEAL)

SURETY

The attorney-in-fact who executes this bond in behalf of the surety company, must attach a copy of his power-of-attorney as evidence of his authority.

To each executed original of this bond, there must be attached a complete set of the contract documents, as the term is defined in the "Standard Specifications and Special Provisions", with all corrections, interlineations, signatures, etc., completed reproduced therein.

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SECTION 6

CERTIFICATE OF INSURANCE

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6.1 CERTIFICATE OF INSURANCE

Contractor to provide Certificate of Insurance as required by **Section 00170.70** of the Standard Specifications and Special Provisions (*SECTION 8*) and Contract Form (*SECTION 10*).

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SECTION 7

**PREVAILING WAGE RATES
(BOLI)**

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7.1 PREVAILING WAGE RATES (BOLI)



CITY OF HAPPY VALLEY, OREGON

2019 STREET IMPROVEMENTS PROJECT

***PREVAILING WAGE RATES
(OREGON BUREAU OF LABOR & INDUSTRIES)***

This Public Works Project is subject to the applicable prevailing wage rates. If a contractor fails to pay for labor and services, the City can withhold these amounts from payments due the contractor.

Prevailing Wages applicable to this project can found electronically at:

<https://www.oregon.gov/boli/WHD/PWR/Pages/January-1,-2019-PWR-Rates-.aspx> and is titled as:

“January 1, 2019 Prevailing Wage Rates for Public Works Contracts in Oregon” (Current Edition)

Including the following publications and amendments:

“Definitions of Covered Occupations for Public Works Contracts in Oregon”, Current Edition.

All Prevailing Wage Rate Amendments Effective through the Current Prevailing Wage Publication

All Applicable Amendments Adopted Prior to the Date of Current Prevailing Wage Publication.

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SECTION 8

STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS

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STANDARD SPECIFICATIONS & SPECIAL PROVISIONS

8.1 INTRODUCTION

Generally, this project includes reconstruction, repair, and overlay street improvement for four (4) streets: SE Crest Hill Rd (*Schedule 'A'*), SE Chula Vista St/Ct (*Schedule 'B'*), SE Sieben Park Way (*Schedule 'C'*), & SE William Otty Rd (*Schedule 'D'*), all within the City of Happy Valley, Oregon.

Schedules 'A' (SE Crest Hill Rd) and 'B' (SE Chula Vista St/Ct) include the following proposed work:

- **Pavement Grinding to Full-Depth (4" +/-): 3,900+/-** square yards,
- **Cement-Treated Sub-Grade (CTB): 3,900+/-** square yards (**115** tons PCC, 6% Application Rate),
- **Paving Street to 4" Thickness: 3,900+/-** square yards (**900** tons),
- **Drainage:** Install **one (1)** new catch basin & **30+/-** lineal feet of HDPE storm line,
- **Striping:** **10+/-** square feet of stop bars, and
- **Street Asphalt Repair: 250+/-** square yards of repair to 10" below top of existing base rock.

Schedule 'B' (SE Chula Vista St/Ct) also includes the following bid alternatives:

- **Bid Alternative #1:** Remove & replace **1.300+/-** lineal feet of curb, and
- **Bid Alternative #2:** Remove & replace **two (2)** existing catch basins.

Schedules 'C' (SE Sieben Park Way) and 'D' (SE William Otty Rd) include the following proposed work:

- **Pavement Grinding up to 2" Depth: 650+/-** square yards,
- **Overlay Street to 1" Thickness: 5,000+/-** square yards (**280** tons),
- **Striping:** **30+/-** square feet of 12" bars, **2,400+/-** lineal feet of longitudinal striping (4" and 8"), **80+/-** lineal feet of parking striping (2"), **6+/-** each of stencils ("Book Drop", Bicycle),
- **Speed Humps:** **2+/-** each of speed hump asphalt and striping restoration in-place, and
- **Street Asphalt Repair: 140+/-** square yards of repair to 10" below top of existing base rock.

8.2 CONTACT INFORMATION FOR QUESTIONS

Questions relating to the project shall be addressed by email, certified mail or telephone to:

Carol Earle, P.E., City Engineer (carole@happyvalleyor.gov) or

Sheri Markwardt, P.E., Civil Engineer/Project Manager (SMarkwardt@happyvalleyor.gov)

By Certified Mail:

Happy Valley City Hall
Economic & Community Development Department
Engineering Division
16000 SE Misty Drive
Happy Valley, OR 97086

By Telephone:

(503) 783-3800

8.3 SPECIAL PROVISIONS FOR ROADWAY & HIGHWAY CONSTRUCTION

Standard Specifications & Special Provisions for:

2019 STREET IMPROVEMENTS PROJECT

Included with bid package, beginning next page.

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[INSERT STANDARD SPECIFICATION & PROVISIONS]

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[INSERT STANDARD SPECIFICATION & PROVISIONS]

SECTION 9

PLANS, DRAWINGS AND EXHIBITS

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9.1 PLANS, DRAWINGS AND EXHIBITS

See Contract Plans and other Illustrative Figures for:

2019 STREET IMPROVEMENTS PROJECT

Included at end of this bid package.

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SECTION 10

CONTRACT FOR SERVICES FORM

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10.1 CONTRACT FOR SERVICES FORM

This contract is entered into by and between the City of Happy Valley, hereinafter referred to as the "CITY", and _____ hereinafter called the "CONTRACTOR", to provide the services described in the Invitation to Bid for the

2019 STREET IMPROVEMENTS PROJECT (HAPPY VALLEY, OREGON),

hereinafter called the "PROJECT", which by this reference is hereby made part of this contract. The following provisions shall comprise this contract:

I. COMPENSATION

- A.** The CITY agrees to compensate the CONTRACTOR on a fee-for-services basis as outlined in these DOCUMENTS. This agreement covers the period beginning, _____ through _____ inclusive. Work shall be performed in accordance with an approved schedule provided to the CITY by the CONTRACTOR as part of this document. Invoices submitted for payment in connection with this agreement shall be properly documented and shall indicate pertinent CITY contract and/or purchase order numbers. All invoices shall be consistent with the fee bid accepted by the CITY and shall reflect any savings or reductions provided for in the fee bid. The City will retain 5% from progress payments. The retainage will be released with the final payment after the project has been accepted as complete by the City. The compensation authorized under this contract shall be \$ _____ per the bid schedule of items and prices form for **PROJECT**.
- B.** The CONTRACTOR is engaged hereby as an independent contractor and will be so deemed for purposes of the following:
 - 1.** The CONTRACTOR will be solely responsible for payment of any Federal or State taxes required as a result of this agreement.
 - 2.** This contract is not intended to entitle the CONTRACTOR to any benefits generally granted to CITY employees. Without limitation but by way of illustration, the benefits which are not intended to be extended by this contract to the CONTRACTOR are vacation, holiday and sick leave, other leaves with pay, tenure, medical and dental coverage, life and disability insurance, overtime, Social Security, Workers' Compensation, unemployment compensation, or retirement benefits (except insofar as benefits are otherwise required by law if the CONTRACTOR is presently a member of the Public Employees Retirement System).
 - 3.** The CONTRACTOR is a sole proprietor or a partner or is an insured employer for purposes of the Oregon Workers' Compensation law (ORS Chapter 656) and is solely liable for any Workers' Compensation coverage under this contract. If the CONTRACTOR has the assistance of other persons in the performance of this contract, the CONTRACTOR shall qualify and remain qualified for the term of this contract as an insured employer under ORS 656.017 and ORS 656.407.
- C.** The CONTRACTOR certifies that, at present, he or she, if an individual is not a program, CITY, or Federal employee.
- D.** The CONTRACTOR, if an individual, certifies that he or she is not a member of the Public Employees Retirement System.

II. SERVICES TO BE PROVIDED:

The CONTRACTOR shall provide all materials and services required for the **PROJECT**, as set forth in the *Invitation to Bid*, and the documents it references.

III. CONTRACTOR OBLIGATIONS

- A. This contract is expressly subject to all applicable State contracting laws and further, is expressly subject to the constitutional and charter debt limitation, and incorporates by reference all provisions required by applicable ORS Chapter 279A and ORS 279C and Oregon Administrative Rule Divisions 47 and 49 (i.e., OAR 137-049-0200(c)(A) through and including OAR 137-049-0200(c)(V) (2006). The contract is contingent upon funds being appropriated therefore.
1. The CONTRACTOR shall comply fully with all statutory requirements for payment of prevailing wage rates on public works projects. The hourly rate of wage to be paid workers on this project shall not be less than the prevailing wage for an hour's work in the same trade or occupation in the locality of the project. This requirement shall apply to all workers employed on the project by the prime contractor, subcontractors, or other persons doing, or contracting to do the whole or any part of the work required for the project. The existing prevailing rates of wages as established by the Commissioner of the Bureau of Labor and Industries pursuant to ORS 279.359 are hereby incorporated into these Specifications. A copy of the Prevailing Wage Rates is attached to this Contract and is available on-line at the following Bureau of Labor and Industries website:
<https://www.oregon.gov/boli/WHD/PWR/Pages/January-1,-2019-PWR-Rates-.aspx>
When a contractor or subcontractor is a party to a statewide collective bargaining agreement in effect with any labor organization, the rate of wages provided for in such agreement shall be considered to be the prevailing rate of wage to be paid to the workers on this project.
 2. This agreement is expressly subject to the constitutional and charter debt limitation, and is contingent upon funds being appropriated therefore. Any provisions herein, which would conflict with law, are deemed inoperative to that extent.
 3. The CONTRACTOR shall indemnify, save harmless and defend the CITY, its officers, councilors, agents and employees from and against all claims and actions, and all expenses incidental to the investigation and defense thereof, arising out of or based upon damage or injuries to persons or property caused by the errors, omissions, fault or negligence of the CONTRACTOR or the CONTRACTOR'S employees and agents.
 4. CONTRACTOR shall comply with all applicable federal and state civil rights and rehabilitation statutes, rules, and regulations. CONTRACTOR shall maintain valid all required licenses and certificates required by law.
 5. If the CONTRACTOR fails to pay for labor and services, the CITY can pay for them and withhold those amounts from payment to the CONTRACTOR. ORS 279C.515; OAR 839-025-0020(2)(a)
 6. The CONTRACTOR must pay daily, weekly and holiday overtime as required. ORS 279C.520; OAR 839-025-0020(2)(b)
 7. The CONTRACTOR must make prompt payment for all medical services for which the CONTRACTOR has agreed to pay, and for all amounts for which the CONTRACTOR collects or deducts from workers' wages. ORS 279C.530; OAR 839-025-0020(2)(d)
 8. The CONTRACTOR must submit a Public Work Contract Fee form (WH-39) and pay a prevailing wage rate fee to BOLI. ORS 279C-830 (2); OAR 839-025-0020(2)(e)

9. The CONTRACTOR must pay the workers not less than the applicable state or federal prevailing wage rate, whichever is higher. ORS 279C3830 (1)(c); OAR 839-025-0020(3)
 10. The CONTRACTOR must have a public works bond filed with the Construction Contractors Board before commencement of any work on the project. ORS 279C.830(3)(a)
 11. The CONTRACTOR shall include in every subcontract a provision requiring the Subcontractor to have a public works bond filed with the Construction Contractors Board before commencing any work on the project. ORS 279C.830(3)(b).
- B. CONTRACTOR warrants all installed materials or systems to be free from design, materials or construction defects and the systems shall perform to the CITY's satisfaction for at least two (2) years from the date the CITY accepts the work. CONTRACTOR warrants that the renovation work shall be performed consistent with professional standards found to be prevalent in the Portland Metropolitan Area.

IV. **INSURANCE REQUIREMENTS:**

- A. The CONTRACTOR agrees to furnish the CITY evidence of commercial general liability insurance in the amount of not less than \$1,000,000 combined single limit per occurrence / \$2,000,000 general annual aggregate for bodily injury and property damage for the protection of, and naming the CITY, its officers, councilors and employees as additionally insured against liability for damages because of bodily injury, death or damage to property, including loss of use thereof in any way related to this contract. The CITY, at its option, may require a complete copy of the above policy.
- B. The CONTRACTOR warrants that it is an insured employer for purposes of the Oregon Workers' Compensation law (ORS Chapter 656) and is solely liable for any Workers' Compensation coverage under this contract. If the CONTRACTOR has the assistance of other persons in the performance of this contract, the CONTRACTOR agrees to qualify and remain qualified for the term of this contract as an insured employer under ORS 656.407. CONTRACTORS shall maintain employer's liability insurance with limits of \$100,000 each accident, \$100,000 disease each employee, and \$500,000 each policy limit.
- C. The CONTRACTOR agrees to furnish the CITY evidence of business automobile liability insurance in the amount of not less than \$1,000,000 combined single limit for bodily injury and property damage for the protection of, and naming the CITY, its officers, councilors, and employees as additionally insured against liability for damages because of bodily injury, death, or damage to property, including loss of use thereof in any way related to this contract. The CITY, at its option, may require a complete copy of the above policy.
- D. The insurance, other than the Workers' Compensation coverage, shall include the CITY as an additional named insured and refer to and support the CONTRACTOR'S obligation to hold harmless and defend (with attorneys approved by the CITY) the CITY, it's officers, councilors, agents, insurers and employees (all of whom shall be deemed to be covered by the duty of indemnify and defend). Such insurance shall provide at least thirty (30) days written notice to the CITY in the event of a cancellation or material change and include a statement that no act on the part of the insured shall affect the coverage afforded to the CITY under this insurance. The insurance company will provide written notice to the CITY within sixty (60) days after any reduction in the general aggregate limit. This policy(s) shall be primary insurance as respects to the CITY. Any insurance or self-insurance maintained by the CITY shall be excess and shall not contribute to it.

V. **SUBCONTRACTS:**

The CONTRACTOR shall be responsible to the CITY for the actions of persons and firms performing subcontract work.

VI. **DEFAULT:**

The CITY may, subject to the provisions of paragraph four (4) below, by written notice of default to the CONTRACTOR, terminate the whole or any part of this contract in any one of the following circumstances:

- A. If the CONTRACTOR fails to make delivery of the supplies or to perform the services within the time specified (to be determined) herein or any extension thereof; or
- B. If the CONTRACTOR fails to perform any of the other provisions of this contract, or so fails to make progress as to endanger performance of this contract in accordance with its terms, and in either of these two circumstances does not cure such failures within a period of ten (10) days (or such longer period as the CITY may authorize in writing) after receipt of notice from the CITY specifying such failure.
- C. In the event the CITY terminates this contract in whole, or in part, as provided in paragraph (b) above of this clause, the CITY may procure, upon such terms and in such manner as the CITY may deem appropriate, supplies or services similar to those terminated, and the CONTRACTOR shall be liable to the CITY for any excess costs for such similar supplies or services; provided, that the CONTRACTOR shall continue the performance of this contract to the extent not terminated under the provisions of this clause.
- D. Except with respect to defaults of subcontractors, the CONTRACTOR shall not be liable for any excess costs if the failure to perform the contract arises out of causes beyond the control and without the fault or negligence of the CONTRACTOR(s). Such causes may include, but are not restricted to, acts of God or of the public enemy, acts of the CITY in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes and unusually severe weather; but, in every case, the failure to perform must be beyond the control of both the CONTRACTOR and subcontractor, and without the fault or negligence of either of them, the CONTRACTOR shall not be liable for excess costs for failure to perform, unless the supplies or services to be furnished by the subcontractor were obtainable from other sources in sufficient time to permit the CONTRACTOR to meet the required delivery schedule.
- E. The rights and remedies of the CITY provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.
- F. As used in paragraph (d) of this clause, the terms "subcontractor" and "subcontractors" mean subcontractor(s) at any tier.

VII. **LIQUIDATED DAMAGES**

The CONTRACTOR shall complete all required work under the Contract by **Friday, August 30, 2019**.

Once construction on the project has begun, the contractor must reach substantial completion within **60** days of commencing activity. The daily amount of the liquidated damages will be \$500 per Calendar Day* for failure to meet this deadline and/or for failure to complete work on-time as required by Section 00180.50(h) of the ODOT *Standard Specifications for Construction*, latest edition as modified by these Bid Documents.

The daily amount of the liquidated damages will be at least \$250 but no more than \$400 per Calendar Day* for failure to open street on time at end of work day.

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

VIII. **PERFORMANCE AND PAYMENT BOND**

The CONTRACTOR will be required to file with the CITY Performance and Labor and Material Payment bonds in the amount of 100% of the contract price at the time of execution of the contract. The surety company furnishing this bond shall have a sound financial standing and a record of service satisfactory to the CITY and shall be authorized to do business in the State of Oregon. The Attorney-in-Fact (Resident Agent) who executes this performance and payment bond in behalf of the surety company must attach a copy of his power-of-attorney as evidence of his authority. A notary shall acknowledge the power as of the date of the execution of the surety bond, which it covers. AIA forms may be used for the Performance and Labor and Material Payment bonds.

IX. **MAINTENANCE BOND**

At the completion of the project and prior to received final acceptance by the City, the CONTRACTOR shall provide the CITY with a Maintenance Bond in the amount of 25% of the contract amount, which covers any defects in either materials or workmanship, for a period of two years from the date of acceptance. AIA forms will be used for the Maintenance Bond.

X. **TERMINATIONS AND AMENDMENTS:**

- A. The CITY may terminate this contract for cause or if sufficient funds are not appropriated for the completion of this project.
- B. This contract and any amendments thereto will not be effective until approved in writing by the City of Happy Valley.
- C. This contract supersedes and cancels any prior contracts between the parties hereto for similar services.

By their signatures below, the parties to this contract agree to the terms, conditions, and content expressed herein:

CONTRACTOR

Authorized Signature Date

Printed Name and Title

Telephone / Fax Number

Federal Tax ID Number

CITY OF HAPPY VALLEY

Chris Randall, Public Works Director

Date

Carol Earle, Engineering Manager

Date

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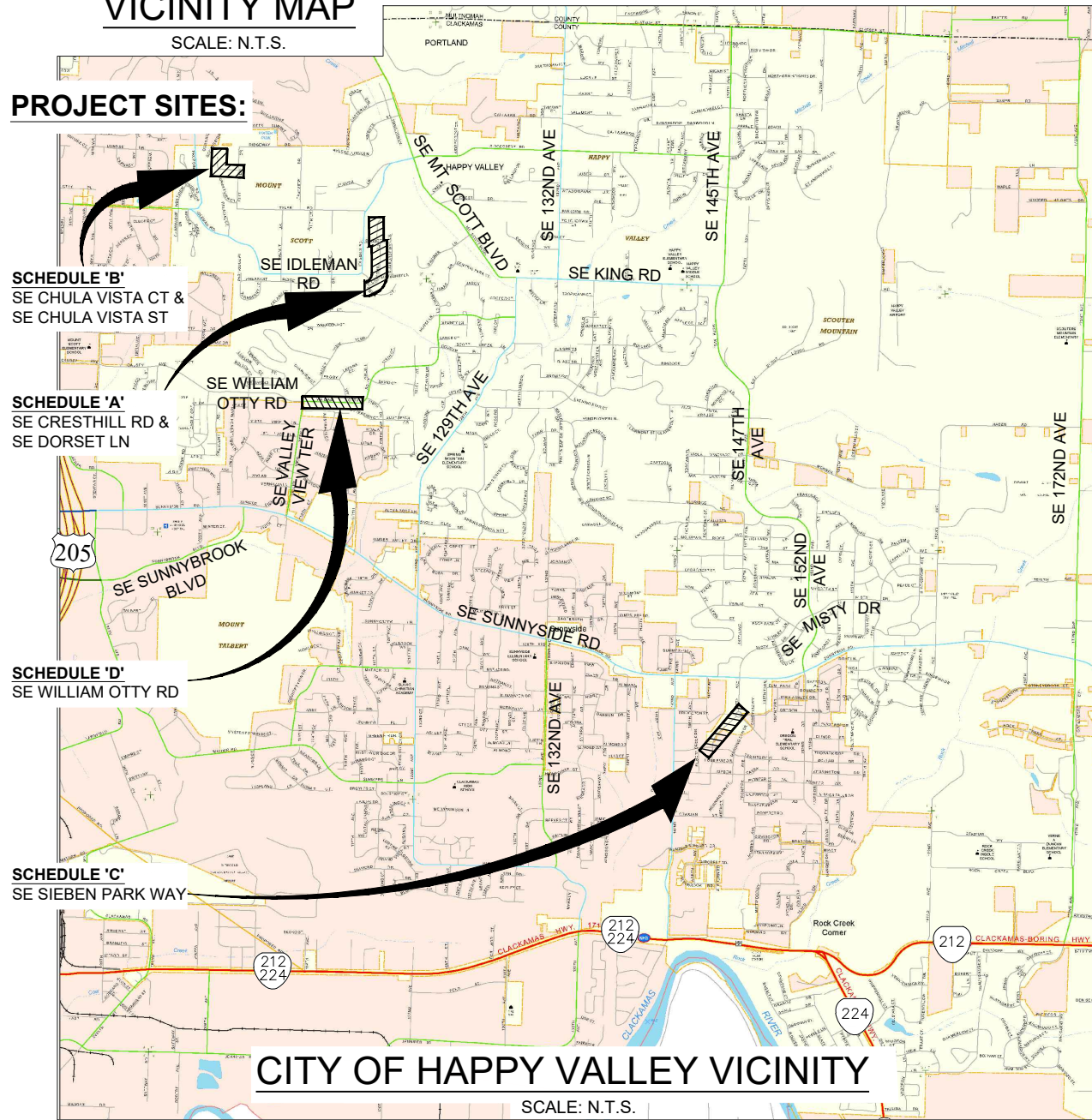
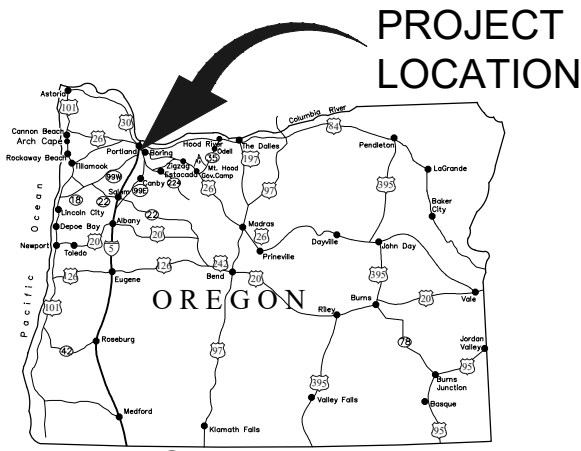
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CITY OF HAPPY VALLEY

2019 STREET IMPROVEMENT PROJECT

CLACKAMAS COUNTY, OREGON
MAY 2019

BID SET



SHEET INDEX

- 1 COVER SHEET & INDEX
- SCHEDULE 'A':**
- 2 SE CRESTHILL RD IMPROVEMENTS
- SCHEDULE 'B':**
- 3 SE CHULA VISTA ST & CHULA VISTA CT IMPROVEMENTS
- SCHEDULE 'C':**
- 4 SE SIEBEN PARK WAY IMPROVEMENTS
- SCHEDULE 'D':**
- 5 SE WILLIAM OTTY RD IMPROVEMENTS
- 6 CONSTRUCTION HOURS SIGN
- 7 CITY STANDARD DETAILS 1
- 8 CITY STANDARD DETAILS 2
- 9 CITY STANDARD DETAILS 3
- 10 EROSION & SEDIMENT CONTROL PLAN NOTES

LEGEND

- PROPOSED FULL-DEPTH RECONSTRUCTION
- PROPOSED GRIND & INLAY
- PROPOSED REPAIR AREA
- PROPOSED OVERLAY AREA
- RAMP/BOLLARD REMOVAL W/CURB REPLACEMENT
- EXISTING CONCRETE SIDEWALK
- EXISTING CONCRETE CURB AND/OR GUTTER
- EXISTING CATCH BASIN
- EXISTING SEWER (STORM/SANITARY) MANHOLE
- EXISTING CLEANOUT
- EXISTING VALVES
- TEMPORARY CONSTRUCTION HOURS SIGN
- DETAIL #
- REFERENCE TO SHEET W/DETAIL

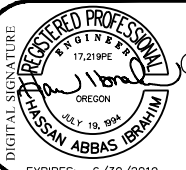
CALL BEFORE YOU DIG
ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THESE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987 OR 811 OR (877) 668-4001

CONTRACTOR TO PROTECT EXISTING POWER, TELEPHONE/TELECOMMUNICATION LINES & COORDINATE RELOCATION OF ANY LINES THAT ARE IN CONFLICT WITH THE CONSTRUCTION WITH APPROPRIATE AGENCY



BAR IS ONE INCH ON ORIGINAL DRAWING.
ADJUST SCALE AS SHOWN ACCORDINGLY.

REV.	DESCRIPTION	REVISED BY	DATE



CURRAN-MCLEOD, INC.
CONSULTING ENGINEERS
6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684-3478

CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT
COVER SHEET & INDEX
CLACKAMAS COUNTY, OREGON

DATE	MAY 2019
P/N	1727
D/B	PCB
D/S	JHH
CAD	HV

J:\Happy Valley\1727 HV Street Improvements Project\DWG\1727 HV Street Improvements - 1-2.dwg, 5/10/2019 11:52:21 AM, DWG To PDF.pc3

CONSTRUCTION NOTES:

1. ALL WORK AND MATERIAL SHALL CONFORM TO THESE PLANS AND THE APPLICABLE PROVISIONS OF THE CITY'S ENGINEERING DESIGN AND STANDARD DETAILS MANUAL (DESIGN MANUAL), LATEST EDITION, APWA/ODOT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, LATEST EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
2. THE CONTRACTOR SHALL HAVE A MINIMUM OF ONE (1) SET OF APPROVED CONSTRUCTION PLANS ON THE JOB SITE AT ALL TIMES DURING THE CONSTRUCTION PHASES.
3. AT THE PRE-CONSTRUCTION MEETING, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING ITEMS:
 - a. COPY OF THE CONTRACTOR'S CERTIFICATE OF INSURANCE
 - b. EMERGENCY CONTACT NAME AND PHONE NUMBER
 - c. TRAFFIC CONTROL PLAN
 - d. LIST OF SUBCONTRACTORS
4. A COPY OF THE PERMIT WITH ALL ATTACHMENTS, A COPY OF THE APPROVED CONSTRUCTION PLANS, AND ALL AMENDMENTS SHALL BE AVAILABLE AT THE PROJECT SITE AT ALL TIMES. ALL WORK SHALL CONFORM TO THE PERMIT TERMS, CONDITIONS/PROVISIONS, APPROVED CONSTRUCTION PLANS, APPROVED PLAN AMENDMENTS, AND THESE GENERAL CONDITIONS. CHANGES TO ANY OF THE AFORESAID MUST BE APPROVED BY THE PROJECT ENGINEER AND CITY, IN ADVANCE OF WORK PERFORMANCE.
5. THE CONTRACTOR SHALL HAVE A CURRENT HAPPY VALLEY BUSINESS LICENSE BEFORE STARTING CONSTRUCTION.
6. A SIGN SHALL BE POSTED CONSPICUOUSLY AT THE JOB SITE ENTRANCE PRIOR TO SITE CONSTRUCTION, AND SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. USE 2-INCH HIGH BLACK LETTERS ON AN ORANGE BACKGROUND. THIS SIGN SHALL READ AS FOLLOWS:
 - 6.1. "CONSTRUCTION SHALL BE LIMITED TO 7:00 AM TO 6:00 PM ON WEEKDAYS, AND 8:00AM TO 5:00PM ON SATURDAYS AND SUNDAYS. HOWEVER, SITE CLEARING, EARTH MOVING, INSTALLATION OR CONSTRUCTION OF UNDERGROUND UTILITIES, PAVING OF STREETS AND SIDEWALKS, FOUNDATION FRAMING AND POURING, AND STRUCTURAL FRAMING SHALL BE ENTIRELY PROHIBITED ON SUNDAYS. TO REPORT VIOLATIONS CALL 503-783-3800."
7. ALL FENCING, ESC MEASURES, AND CONSTRUCTION GRAVEL ENTRANCES SHALL BE INSTALLED AND MAINTAINED BY THE DEVELOPER AND INSPECTED BY THE CITY OF HAPPY VALLEY PRIOR TO BEGINNING WORK ON THE SITE. CALL FOR INSPECTION 24 HOURS IN ADVANCE, 503-783-3800.
8. MAINTENANCE OF THE WORK AREA AND APPROACH ROADS IS THE RESPONSIBILITY OF THE CONTRACTOR. THE WORK AREA AND APPROACH ROADS SHALL BE MAINTAINED IN A CLEAN AND SANITARY CONDITION, FREE FROM OBSTRUCTIONS, HAZARDS, DEBRIS, AND TRASH AT ALL TIMES. A COPY OF THE CONTRACTOR CERTIFICATE OF INSURANCE SHALL BE AVAILABLE AT THE WORK AREA.
9. THE SPREADING OF MUD OR DEBRIS OR STORAGE OF MATERIAL OR EQUIPMENT OF ANY KIND UPON ANY PUBLIC ROADWAY IS STRICTLY PROHIBITED AND VIOLATION SHALL BE CAUSE FOR IMMEDIATE SUSPENSION OF THE PERMIT. THE PROJECT ENGINEER AND/OR CITY MAY AT ANY TIME ORDER IMMEDIATE CLEAN UP AND STOPPAGE OF WORK TO ACCOMPLISH CLEAN-UP.
10. DUST SHALL BE CONTROLLED WITHIN THE DEVELOPMENT DURING CONSTRUCTION AND SHALL NOT BE PERMITTED TO DRIFT ONTO ADJACENT PROPERTIES.
11. CONTRACTOR SHALL MONITOR THE HAULING OF DEBRIS TO ENSURE THAT ALL SPILLAGE FROM TRUCKS IS PROMPTLY AND COMPLETELY REMOVED AND CLEANED UP.
12. THE CONTRACTOR SHALL CONTROL TRAFFIC THROUGH THE PROJECT SITE IN CONFORMANCE WITH THE LATEST EDITION OF "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), "OREGON SUPPLEMENTS", AND CITY REQUIREMENTS. THE CONTRACTOR SHALL AT ALL TIMES MAINTAIN LOCAL ACCESS FOR OWNERS NEAR THE PROJECT SITE. THE CONTRACTOR SHALL PROVIDE A PROJECT-SPECIFIC TRAFFIC CONTROL PLAN, APPROVED BY THE CITY, AND AVAILABLE ON THE PROJECT SITE.
13. THE CONTRACTOR IS RESPONSIBLE FOR PROVISION OF TIMELY NOTIFICATION OF TRAFFIC FLOW DISRUPTIONS TO AREA-WIDE EMERGENCY SERVICES AND THE SCHOOL DISTRICT. THE CONTRACTOR SHALL MAINTAIN AND COORDINATE ACCESS TO ALL AFFECTED PROPERTIES.
14. TRAFFIC CONTROL DEVICES, FLAG PERSONS, ETC., SHALL BE IN PLACE PRIOR TO INITIATION OF CONSTRUCTION WORK AND SHALL BE EFFECTIVELY MAINTAINED. A TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE CITY FOR APPROVAL PRIOR TO ANY WORK WITHIN EXISTING RIGHT-OF-WAY.
15. PUBLIC ROADWAYS SHALL NOT BE CLOSED TO TRAFFIC, AT ANY TIME, WITHOUT HAVING FIRST OBTAINED A STREET CLOSURE PERMIT FROM THE CITY.
16. COMPACTION TESTING IS THE RESPONSIBILITY OF THE DEVELOPER. PROVIDE THE CITY WITH COPIES OF THE TEST RESULTS ON BASE ROCK AND ASPHALT. SCHEDULE PROOF ROLLS WITH THE CITY AT LEAST 48 HOURS IN ADVANCE.
17. CONTRACTOR MUST VERIFY ALL EXISTING UTILITIES FOR BOTH VERTICAL ELEVATION AND HORIZONTAL LOCATION PRIOR TO START OF WORK (POTHOLE BEFORE DIGGING IF NECESSARY). CONTRACTOR SHALL COORDINATE THE WORK WITH APPLICABLE AGENCIES.
18. TRENCHES WITHIN RIGHTS-OF-WAY, PAVEMENT, OR CONCRETE AREAS SHALL BE BACKFILLED WITH APPROVED CRUSHED ROCK (DRAWING NO. 205) OR CDF (DRAWING NO. 210), AND AS SPECIFIED ON THESE PLANS. TRENCHES OUTSIDE OF THE PAVED OR CONCRETE AREAS MAY BE BACKFILLED WITH NATIVE CLASS A MATERIAL PER DRAWING NO. 205.
19. THE CONTRACTOR SHALL MAINTAIN BENCHMARKS, PROPERTY CORNERS, AND MONUMENTS. IF SUCH POINTS ARE DISTURBED OR DESTROYED BY CONSTRUCTION ACTIVITIES, THEY SHALL BE REPLACED IN ACCORDANCE WITH ORS 209 BY EMPLOYING A PROFESSIONAL LAND SURVEYOR TO RESET PROPERTY CORNERS AND OTHER SUCH MONUMENTS.
20. THE CONTRACTOR SHALL NOTIFY THE CITY FORTY-EIGHT (48) HOURS PRIOR TO ANY PROOF ROLL, CONCRETE FORM INSPECTION, AND PAVING.
21. PROPERTY DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED. GRASS, SHRUBS, FLOWERS, BARK DUST, EXISTING SIGNS, PAVEMENT MARKINGS, MAILBOXES, ETC. DISTURBED BY CONSTRUCTION ACTIVITY SHALL BE RE-ESTABLISHED, REINSTALLED OR REPLACED, WITH LIKE KIND AND MATERIAL.
22. EFFECTIVE DRAINAGE CONTROL IS REQUIRED. DRAINAGE SHALL BE CONTROLLED WITHIN THE SITE AND SHALL BE ROUTED SO THAT ADJACENT PRIVATE PROPERTY, PUBLIC PROPERTY, AND THE RECEIVING SYSTEM ARE NOT ADVERSELY IMPACTED. THE PROJECT ENGINEER AND/OR CITY MAY AT ANY TIME ORDER CORRECTIVE ACTION AND STOPPAGE OF WORK TO ACCOMPLISH EFFECTIVE DRAINAGE CONTROL.
23. TRENCHES WILL NOT BE ALLOWED TO REMAIN OPEN OVERNIGHT. A TEMPORARY HARD-SURFACE PATCH (HOT MIX BASE PAVING) OR STEEL PLATES SECURED WITH PINS AND COLD MIX RAMPS SHALL BE PLACED ON TRENCHES WITHIN EXISTING ROADWAYS AT THE END OF EACH DAY'S WORK. NO TRENCH, ON-SITE OR OFF-SITE, SHALL BE LEFT AT ANY TIME IN AN UNSAFE CONDITION. THE CONTRACTOR IS RESPONSIBLE AND LIABLE FOR HAZARDS OR DAMAGE RESULTING FROM THE PROSECUTION OF THE WORK.
24. WORK PROVIDED FOR UNDER THE PERMIT SHALL INCLUDE REPAIR OF EXISTING FACILITIES (ROADS, DITCHES, ETC.) AS MAY BE NECESSARY, IN THE CITY'S OPINION, TO OVERCOME DETERIORATION OR DAMAGE WHICH OCCURRED IN CONJUNCTION WITH THE WORK AUTHORIZED BY THE PERMIT. CORRECTIVE WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
25. POWER, TELEPHONE, GAS, AND CABLE TELEVISION TRENCHING AND CONDUITS ARE TO BE INSTALLED PER UTILITY COMPANY REQUIREMENTS. VERIFY WITH UTILITY COMPANY FOR SIZE AND TYPE OF CONDUIT PRIOR TO CONSTRUCTION.
26. UNIDENTIFIED UTILITIES SHALL NOT BE DISRUPTED OR CUT UNTIL UTILITY COMPANY HAS APPROVED THE CUT OR DISRUPTION.
27. ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION.
28. NOTIFY THE UTILITY COMPANY IMMEDIATELY OF ALL UTILITIES EXPOSED. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK.
29. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF TREES, STUMPS, BRUSH, ROOTS, TOPSOIL, AND OTHER MATERIAL IN THE NEW PUBLIC RIGHT-OF-WAY, UNDER THE NEW ROADWAY AND WHERE INDICATED ON THE PLANS. MATERIAL SHALL BE DISPOSED OF IN SUCH A MANNER AS TO MEET ALL APPLICABLE REGULATIONS.
30. IF GROUND WATER SPRINGS ARE ENCOUNTERED DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE MEASURES TO ENSURE THAT THE WATER IS NOT CONVEYED THROUGH UTILITY TRENCHES, AND THE NATURAL FLOW PATH OF THE SPRING IS ALTERED AS LITTLE AS PRACTICABLE.
31. SAWCUT STRAIGHT MATCH LINES WHERE EXISTING PAVEMENT MEETS NEW PAVEMENT. SAND AND SEAL JOINT (TYPICAL).
32. CONTRACTOR SHALL FOLLOW OSHA REQUIREMENTS.
33. ALL TRENCHES SHALL BE PROPERLY SHORED AND BRACED TO PREVENT CAVING.
34. WHERE TRENCH EXCAVATION REQUIRES REMOVAL OF PCC CURBS AND/OR SIDEWALKS, THE CURBS AND/OR SIDEWALKS SHALL BE SAWCUT AND REMOVED AT A TOOLED JOINT UNLESS OTHERWISE AUTHORIZED BY THE OWNER'S REPRESENTATIVE. THE SAWCUT LINES SHOWN ON THE DRAWINGS ARE SCHEMATIC AND NOT INTENDED TO SHOW THE EXACT ALIGNMENT OF SUCH CUTS.
35. THE CONTRACTOR SHALL PROVIDE ALL THE "MEANS AND METHODS" NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED DRAWINGS AND DOCUMENTS. THE CONTRACTOR IS RESPONSIBLE FOR ALL REPAIRS AND DAMAGE TO ALL ITEMS THAT ARE TO REMAIN. ALL REPAIRS SHALL USE NEW MATERIAL. REPAIRS SHALL RESTORE THE DAMAGED ITEM TO THE PRE-EXISTING CONDITION OR BETTER. SUCH REPAIRS SHALL BE PERFORMED AT THE CONTRACTOR'S SOLE EXPENSE.
36. CONTRACTOR IS RESPONSIBLE FOR SITE JOB SAFETY, WHICH SHALL INCLUDE BUT NOT BE LIMITED TO THE INSTALLATION AND MAINTENANCE OF BARRIERS, FENCING, AND OTHER APPROPRIATE SAFETY ITEMS NECESSARY TO PROTECT THE PUBLIC FROM AREAS OF CONSTRUCTION AND CONSTRUCTION ACTIVITY.
37. SETTLEMENT OR CRACKING OF FINISHED SURFACES WITHIN THE WARRANTY PERIOD SHALL BE CONSIDERED TO BE A FAILURE OF THE SUBGRADE, AND REPAIRED IN A MANNER ACCEPTABLE TO AND AT NO COST TO THE CITY OR DEVELOPER.
38. PRIOR TO FINAL PROJECT ACCEPTANCE, THE CONTRACTOR SHALL CLEAN THE WORK SITE AND ADJACENT AREAS OF ANY DEBRIS, DISCARDED ASPHALTIC CONCRETE MATERIAL, OR OTHER ITEMS DEPOSITED BY THE CONTRACTOR'S PERSONNEL DURING THE PERFORMANCE OF THIS CONTRACT.

UTILITY CONTACTS

POWER

PORTLAND GENERAL ELECTRIC
 ATTN: STACY FERGUSON (PRIMARY POWER)
 PH: 503-669-5219
 ATTN: JEFF WIESE (STREET LIGHTS)
 PH: 503-742-8363
 1705 EAST BURNSIDE STREET
 GRESHAM, OR 97030

CABLE

COMCAST
 ATTN: ROB BALEY
 PH(CELL): 503-348-5610
 PH(OFFICE): 503-818-0485
 ROBERT_BALEY@COMCAST.COM

TELEPHONE

FRONTIER
 ATTN: JAMES ANDVIK
 150 NW 20TH STREET
 P.O. BOX 31
 GRESHAM, OR 97030
 PH: 503-667-9780
 GRESHAMENGINEERING@FTR.COM

GAS

NW NATURAL
 ATTN: BRIAN KELLEY
 220 NW 2ND AVENUE
 PORTLAND, OR 97209
 PH: 503-220-2427
 NCPROJ@NWNATURAL.COM

WATER

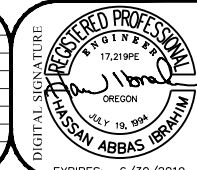
SUNRISE WATER AUTHORITY
 ATTN: ELIZABETH EDGAR
 10602 SW 129TH AVENUE
 HAPPY VALLEY, OR 97086
 PH: 503-761-0220



BAR IS ONE INCH ON ORIGINAL DRAWING.
 ADJUST SCALE AS SHOWN ACCORDINGLY.

REV.	DESCRIPTION	REVISED BY	DATE

REVISIONS



CURRAN-MCLEOD, INC.
 CONSULTING ENGINEERS

6655 S.W. HAMPTON ST., SUITE 210
 PORTLAND, OREGON 97223
 PHONE (503) 684-3478

CITY OF HAPPY VALLEY
 2019 STREET IMPROVEMENT PROJECT
GENERAL CONSTRUCTION NOTES
 CLACKAMAS COUNTY, OREGON

DATE	MAY 2019
P/N	1727
D/B	PCB
D/S	JHH
CAD	HV

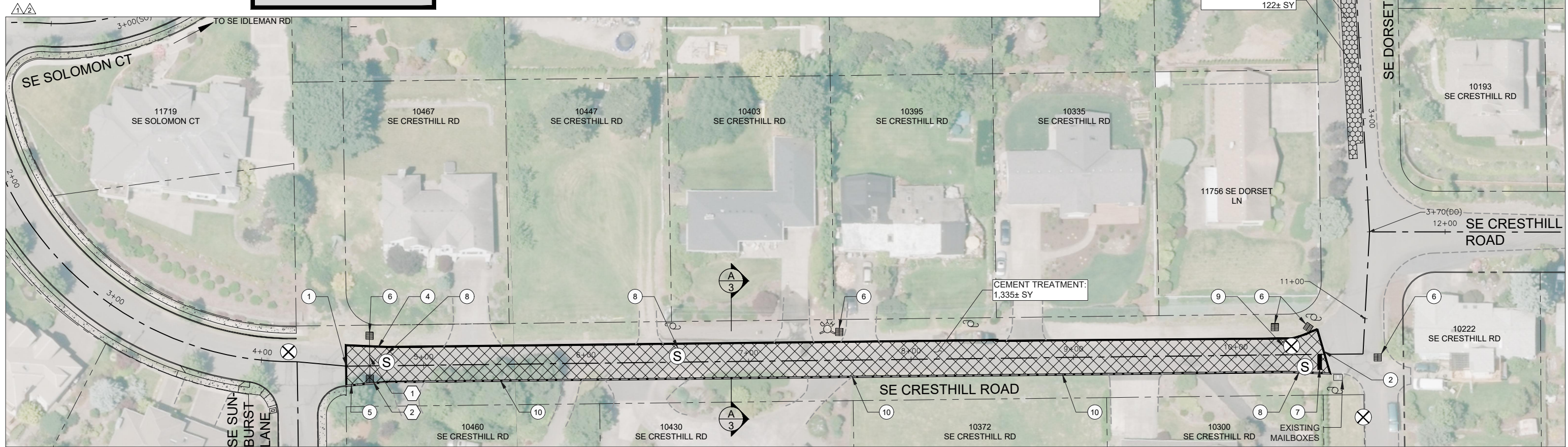
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NOTE: AERIAL PHOTO FOR GENERAL REFERENCE ONLY

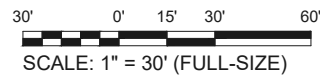
BID SET

SCHEDULE 'A': SE CREST HILL ROAD

FULL-DEPTH RECONSTRUCTION



① STA: 4+50± - STA: 10+75±:PLAN



SCHEDULE 'A': GENERAL NOTES:

1. OWNER WILL PROVIDE FIELD STAKING FOR NEW CROSS-SECTION TO GENERALLY MATCH EXISTING FOOTPRINT AND GRADES. MAINTAIN CURRENT STORM DRAINAGE PATTERNS
2. REMOVE EXISTING SURFACE TO 4" BELOW EXISTING STREET GRADE. REMOVE ADDITIONAL MATERIAL AS NEEDED TO COMPENSATE FOR ADDITION OF CEMENT POWDER VOLUME.
3. CONTRACTOR TO ADD MATERIAL AS NEEDED TO CREATE NEW CROSS-SECTION.
4. RESTORE ALL DRIVEWAY ACCESSSES WITH 3" OF ASPHALT OVER 8" OF BASE ROCK.

STORM NOTES:

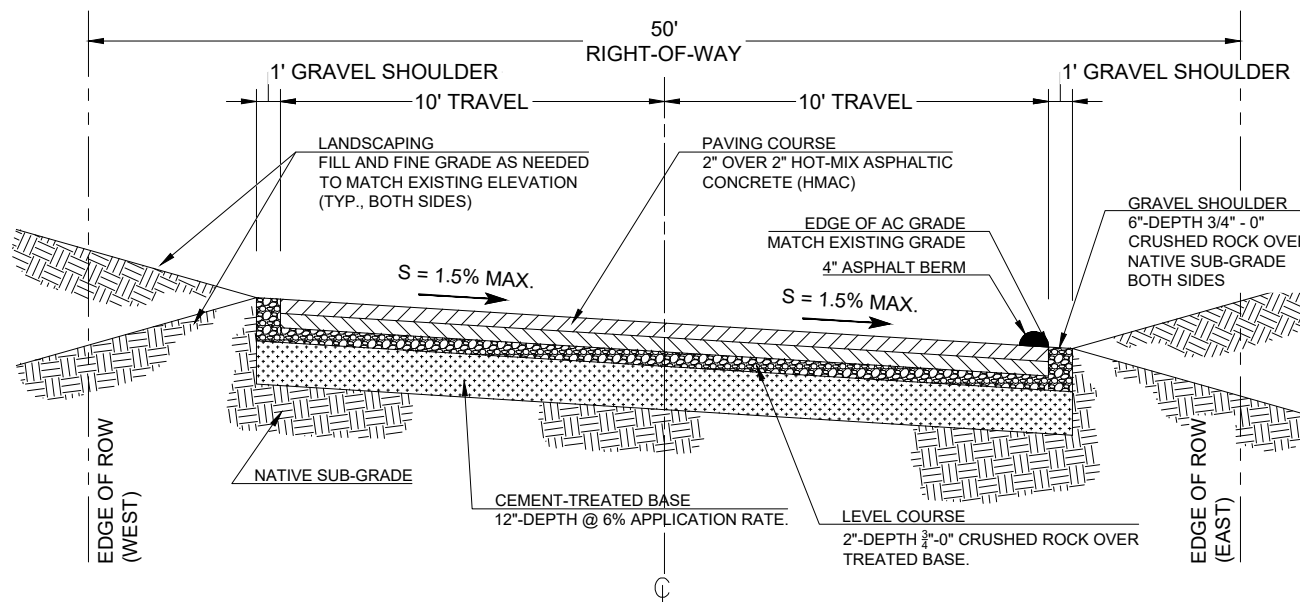
1. INSTALL 30± LF OF 10"Ø HDPE STORM PIPE PER CITY & WES DETAILS, SHEETS 8 & 9.
2. INSTALL NEW CATCH BASIN RIM: ____

KEYED NOTES:

- ① SAWCUT EXISTING AC & START RECONSTRUCTION ACTIVITY WHERE MARKED IN FIELD. SEE TYPICAL CROSS-SECTION, THIS SHEET.
- ② SAWCUT EXISTING AC & END RECONSTRUCTION ACTIVITY WHERE MARKED IN FIELD.
- ③ SAWCUT EXISTING AC, DIGOUT AND REPAIR AREA AS MARKED IN FIELD, PER CITY DETAIL, DWG. NO. 160 & 200.
- ④ TRANSITION TO EXIST STREET WIDTH AT 3:1 TAPER.
- ⑤ TRANSITION FROM EXIST STREET WIDTH (14' TRAVEL LANE) AT MINIMUM 10.5:1 TAPER.
- ⑥ PROTECT EXIST CATCH BASINS AND INSTALL ESC BMP PER EROSION CONTROL PLAN SHEET & WES DETAILS 4-18 OR 4-19.
- ⑦ INSTALL STOP BAR AS MARKED IN FIELD, PER CITY DETAIL, DWG. NO. 330(E).
- ⑧ ADJUST MANHOLE RIM(S) AS NEEDED.
- ⑨ ADJUST VALVE CAN LID(S) AS NEEDED.
- ⑩ INSTALL ASPHALT BERM PER DETAIL THIS SHEET.

②/③

②/③



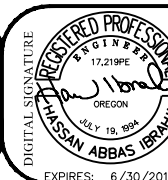
② SCHEDULE 'A' TYPICAL CROSS-SECTION A-A



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ADJUST SCALE AS SHOWN ACCORDINGLY.

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REVISIONS



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CONSULTING ENGINEERS

6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684-3478

CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT
**SCHEDULE 'A':
SE CRESTHILL RD IMPROVEMENTS**
CLACKAMAS COUNTY, OREGON

DATE	MAY 2019
E/N	1727
D/B	PCB
D/S	JHH
CAD	HV

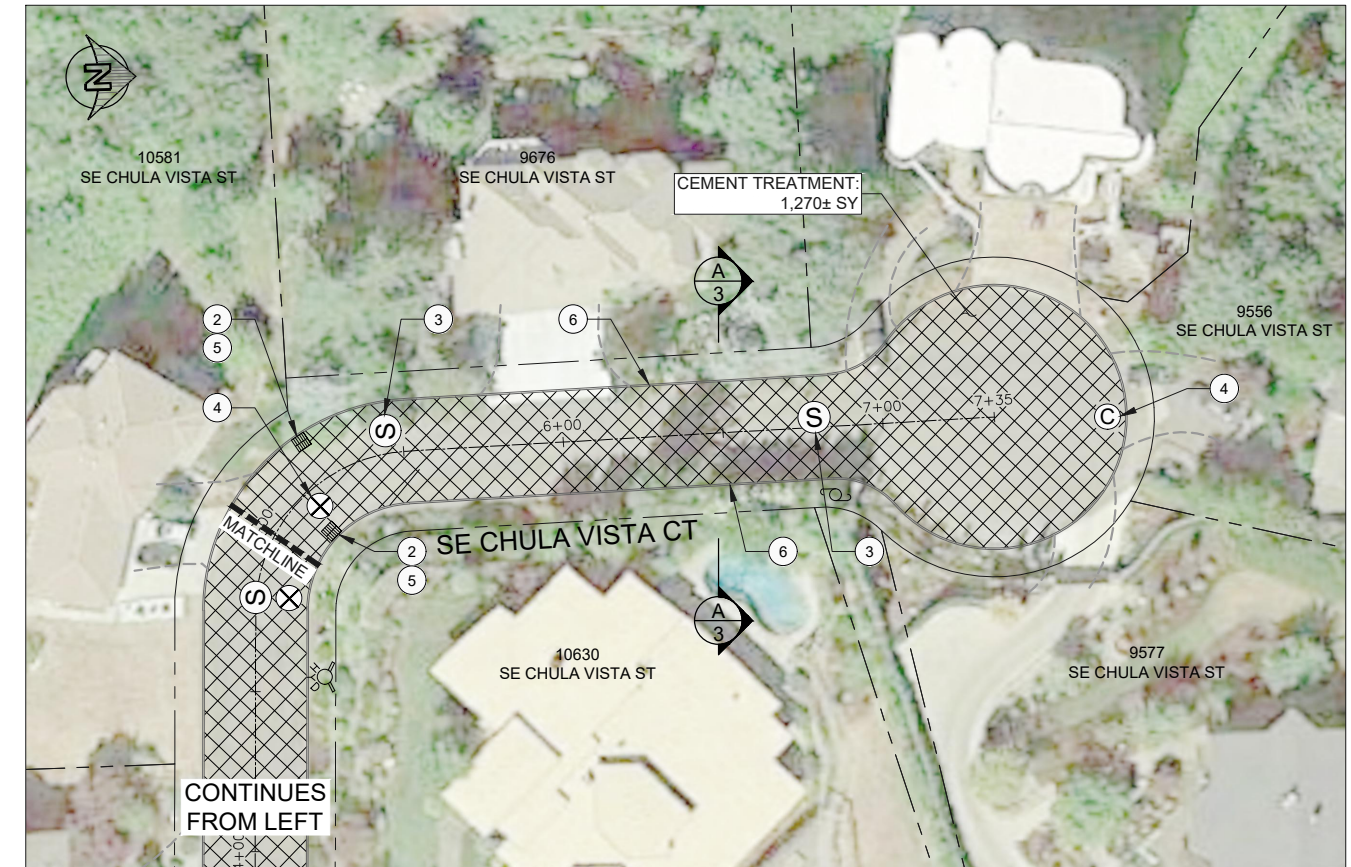
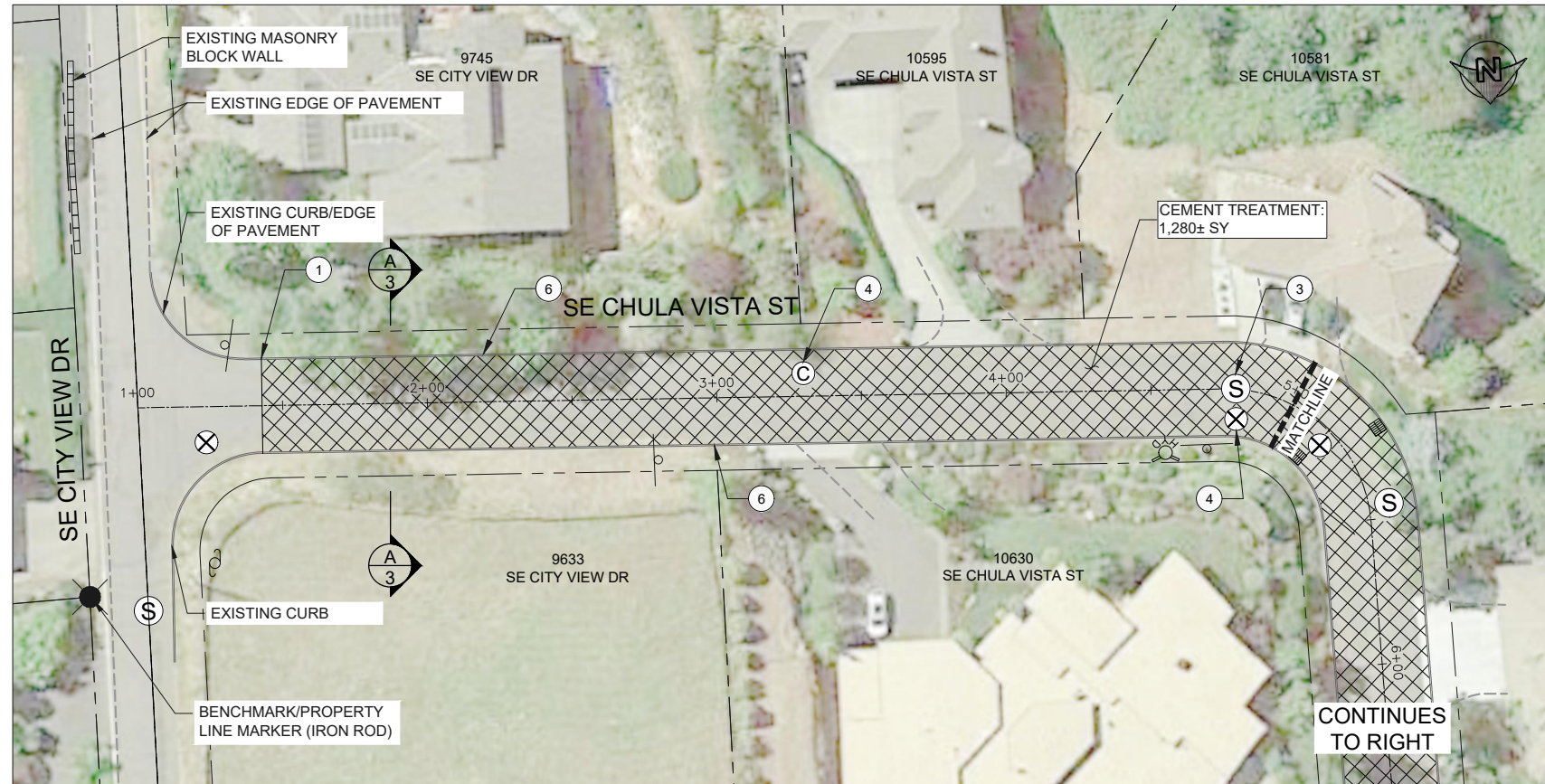
3 OF 10

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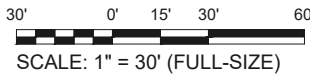
SCHEDULE 'B': SE CHULA VISTA COURT/STREET

FULL-DEPTH RECONSTRUCTION

NOTE: AERIAL PHOTO FOR GENERAL REFERENCE ONLY



1 STA: 1+10± - STA: 5+00±:PLAN

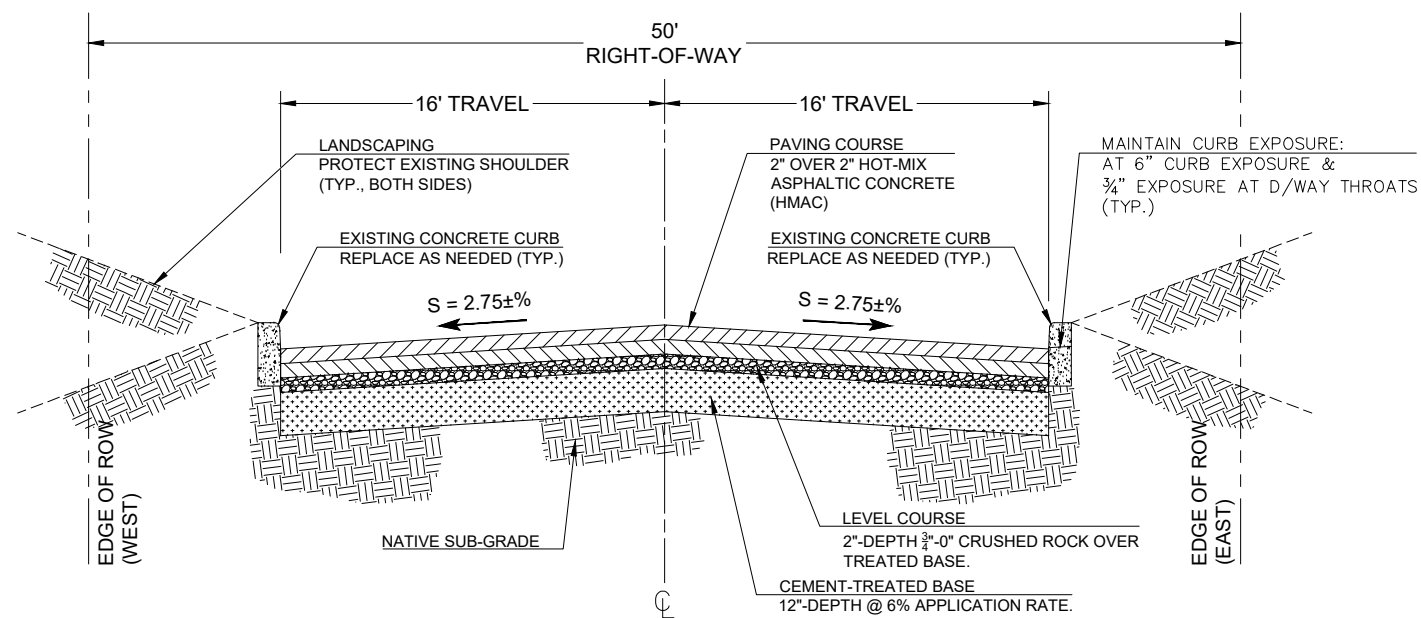


SCHEDULE 'B': GENERAL NOTES:

1. FINAL ASPHALT PAVING FOR NEW CROSS-SECTION TO GENERALLY MATCH EXISTING GRADE, MAINTAINING CURRENT STORM DRAINAGE PATTERNS.
2. REMOVE EXISTING SURFACE TO 4" BELOW EXISTING STREET GRADE. REMOVE ADDITIONAL MATERIAL AS NEEDED TO COMPENSATE FOR ADDITION OF CEMENT POWDER VOLUME.
3. CONTRACTOR TO ADD MATERIAL AS NEEDED TO CREATE NEW CROSS-SECTION.

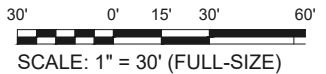
KEYED NOTES:

- 1 SAWCUT EXIST AC & START RECONSTRUCTION ACTIVITY WHERE MARKED IN FIELD. SEE TYPICAL CROSS-SECTION, THIS SHEET.
- 2 PROTECT EXIST CATCH BASINS AND INSTALL ESC BMP PER EROSION CONTROL PLAN SHEET & WES DETAILS 4-18 OR 4-19.
- 3 ADJUST MANHOLE RIM(S) AS NEEDED.
- 4 ADJUST VALVE CAN & CLEAN OUT LID(S) AS NEEDED.
- 5 REPLACE CATCH BASIN IF NEEDED AS DIRECTED BY CITY PER WES DETAIL DWG. NO. CB-5.0. RECONSTRUCT AS NEEDED, PER CITY DETAIL DWG NO. 290.
- 6 REPLACE VERTICAL CURB AS NEEDED, PER CITY DETAIL, DWG. NO. 235.



3 SCHEDULE 'B' TYPICAL CROSS SECTION A-A

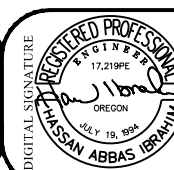
2 STA: 5+00 - 7+40±:PLAN



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PORTLAND, OREGON 97223
PHONE (503) 684-3478

CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT
SCHEDULE 'B':
SE CHULA VISTA IMPROVEMENTS

CLACKAMAS COUNTY, OREGON

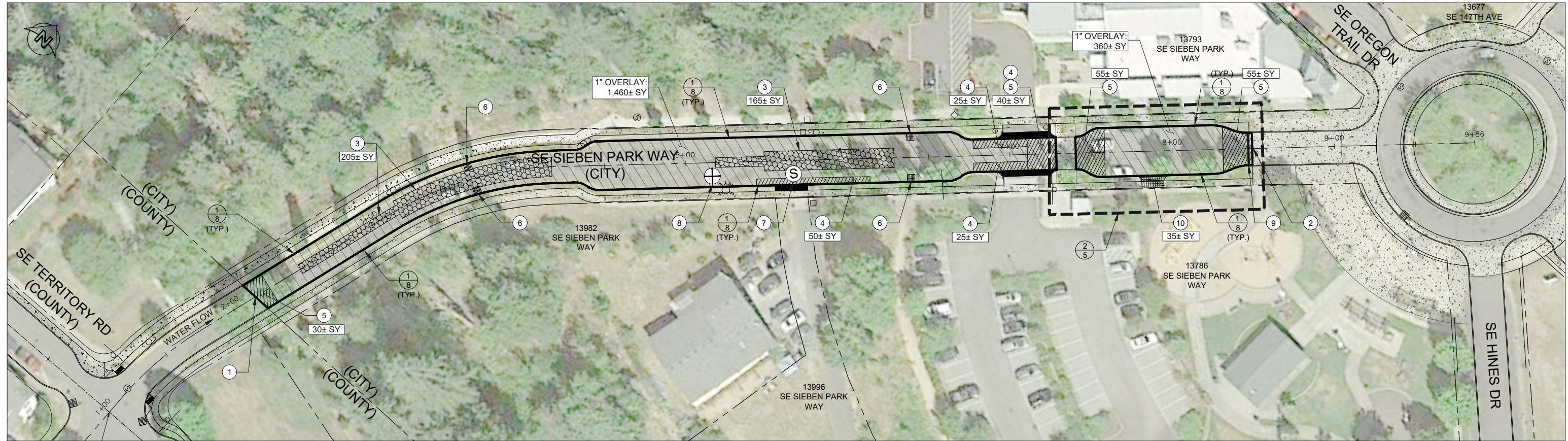
DATE	MAY 2019
E/N	1727
D/B	PCB
D/S	JHH
CADD	HV

4
OF
10

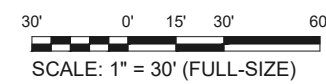
SCHEDULE 'C': SE SIEBEN PARK WAY

1" THIN LIFT OVERLAY

NOTE: AERIAL PHOTO FOR GENERAL REFERENCE ONLY



1 STA: 2+10± - STA: 8+60±: PLAN

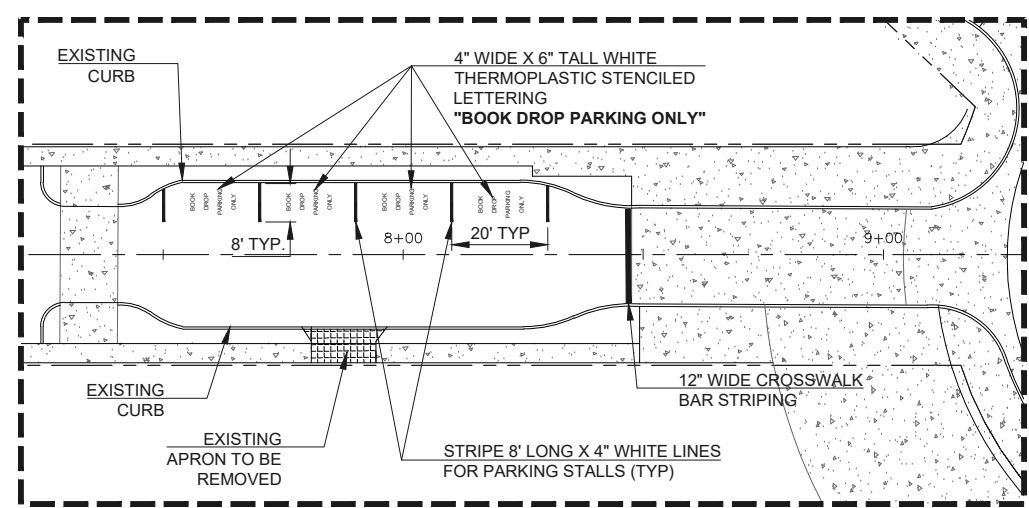


SCHEDULE 'C': GENERAL NOTES:

1. MAINTAIN DRAINAGE FLOW PATTERS AT ALL CURB RETURNS, DRIVEWAYS, & CATCH BASINS.
2. EXTENTS OF ALL OVERLAY, GRINDING, REPAIR TO BE MARKED IN FIELD PRIOR TO CONSTRUCTION.
3. STRIPING & SIGNAGE PER STRIPING DETAIL THIS SHEET, & PER CITY DETAIL:
 - 3.1. PARKING STALLS(NW): 4"-WIDE THERMOPLASTIC BARS FOR FOUR(4) STALLS.
 - 3.2. "BOOK DROP PARKING ONLY" 6"-TALL, 4"-WIDE WHITE THERMOPLASTIC LETTERING AS APPROVED BY CITY.
 - 3.3. CROSSWALK BAR: 12"-WIDE WHITE THERMOPLASTIC. CITY TO CONFIRM ALL FINAL STRIPING & STENCIL MARKING LOCATIONS IN FIELD PRIOR TO APPLICATION.
 - 3.4.

KEYED NOTES:

- 1 BEGIN 1" OVERLAY AS MARKED IN THE FIELD WITH BUTT JOINT TO MATCH EXISTING GRADE.
- 2 END 1" OVERLAY WITH BUTT JOINT TO MATCH EXISTING GRADES.
- 3 DIGOUT AND REPAIR AREA AS MARKED IN FIELD, PER CITY DETAIL, DWG. NO. 160 & 200.
- 4 PERFORM BUTT JOINT ALONG CURB & DRIVEWAY TO MAINTAIN DRAINAGE.
- 5 PERFORM BUTT JOINT AT MEET LINE WITH EXISTING ASPHALT/CONCRETE. MATCH EXISTING GRADE.
- 6 ADJUST EXIST CATCH BASINS TO NEW GRADE AND INSTALL ESC BMP PER EROSION CONTROL PLAN SHEET & WES DETAILS 4-18 OR 4-19.
- 7 ADJUST MANHOLE RIM AS NEEDED.
- 8 ADJUST VALVE CAN LID AS NEEDED.
- 9 INSTALL STOP BAR, STRIPING, & LETTERING AS MARKED IN FIELD & INDICATED IN GENERAL NOTE #3.
- 10 REMOVE RAMP & BOLLARDS. REPLACE CURB.

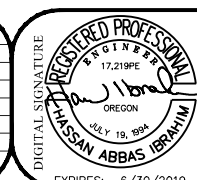


2 STRIPING DETAIL
SCALE: N.T.S.



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ADJUST SCALE AS SHOWN ACCORDINGLY.

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CONSULTING ENGINEERS
6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684-3478

CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT
**SCHEDULE 'C':
SE SIEBEN PARK WAY IMPROVEMENTS**
CLACKAMAS COUNTY, OREGON

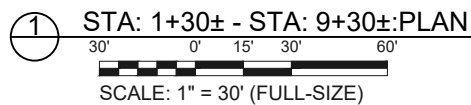
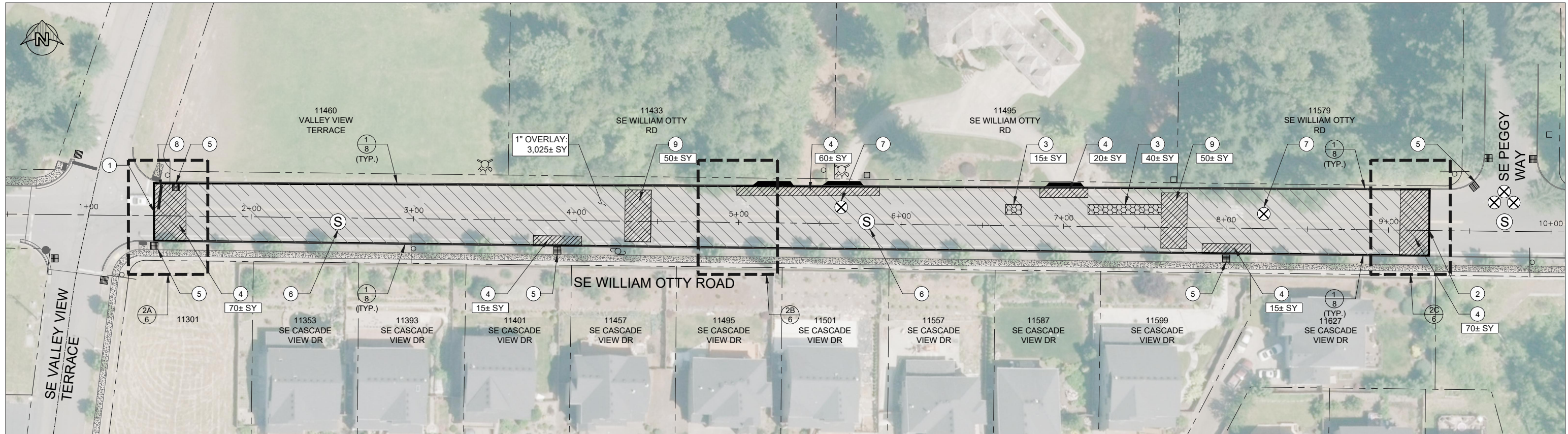
DATE	MAY 2019
E/N	1727
D/B	PCB
D/S	JHH
CAD	HV

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SCHEDULE 'D': SE WILLIAM OTTY ROAD

1" THIN LIFT OVERLAY

NOTE: AERIAL PHOTO FOR GENERAL REFERENCE ONLY

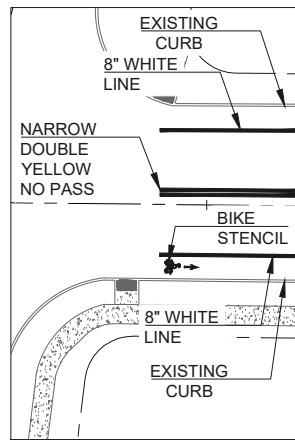


SCHEDULE 'D': GENERAL NOTES:

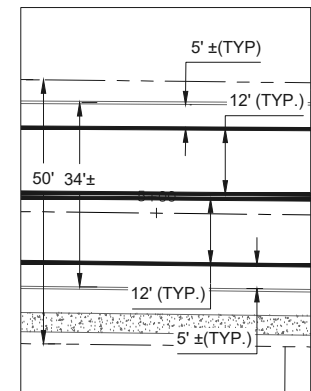
1. MAINTAIN DRAINAGE FLOW PATTERS AT ALL CURB RETURNS, DRIVEWAYS, & CATCH BASINS.
2. EXTENTS OF ALL OVERLAY, GRINDING, REPAIR TO BE MARKED IN FIELD PRIOR TO CONSTRUCTION.
3. STRIPING & SIGNAGE PER AS SHOWN IN DETAILS, THIS SHEET & PER CITY DETAIL:
 - 3.1. ALIGN @ C BETWEEN CURBS: "NARROW DOUBLE NO-PASS", YELLOW, THERMOPLASTIC
 - 3.2. ALIGN @ 5.0' FROM CURBS, EACH SIDE: "8-INCH LINE", WHITE, THERMOPLASTIC
 - 3.3. PLACE AS MARKED IN FIELD: "BIKE LANE MARKINGS", WHITE, THERMOPLASTIC
 - 3.4. OWNER TO CONFIRM ALL FINAL STRIPING & STENCIL MARKING LOCATIONS IN FIELD PRIOR TO APPLICATION.

KEYED NOTES:

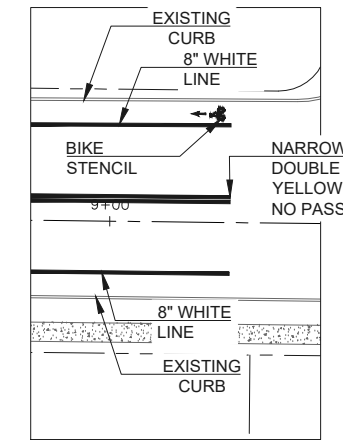
1. BEGIN 1" OVERLAY AS MARKED IN THE FIELD WITH BUTT JOINT TO MATCH EXISTING GRADE, BEGIN AT EXISTING JOINT.
2. END 1" OVERLAY WITH BUTT JOINT TO MATCH EXISTING GRADES.
3. DIGOUT AND REPAIR AREA AS MARKED IN FIELD, PER CITY DETAIL, DWG. NO. 160 & 200.
4. PERFORM BUTT JOINT ALONG CATCH BASIN, CURB OR DRIVEWAY TO MAINTAIN DRAINAGE.
5. PROTECT EXIST CATCH BASINS AND INSTALL ESC BMP PER EROSION CONTROL PLAN SHEET.
6. ADJUST MANHOLE RIM AS NEEDED.
7. ADJUST VALVE CAN LID AS NEEDED.
8. INSTALL 12" WHITE THERMOPLASTIC CROSSWALK BAR AS MARKED IN FIELD.
9. GRIND & REMOVE EXISTING SPEED HUMP AND REINSTALL IN-PLACE, PER CITY DETAIL.



2A WEST END
SCALE: N.T.S.



2B MID-SECTIONS (TYP)
SCALE: N.T.S.



2C EAST END
SCALE: N.T.S.

2 STRIPING DETAIL SCALE: N.T.S.

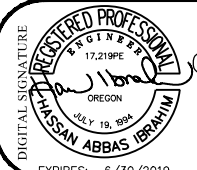
NOTE: SEE GENERAL NOTES, THIS SHEET FOR ADDITIONAL INFORMATION



BAR IS ONE INCH ON ORIGINAL DRAWING.
ADJUST SCALE AS SHOWN ACCORDINGLY.

REV.	DESCRIPTION	REVISED BY	DATE

REVISIONS

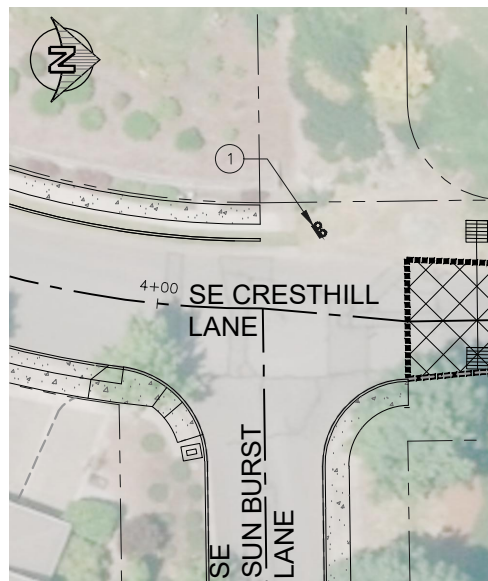


CURRAN-MCLEOD, INC.
CONSULTING ENGINEERS
6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684-3478

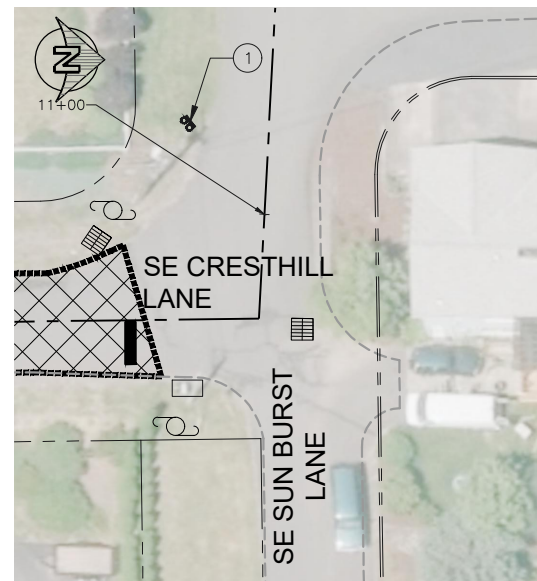
CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT
SCHEDULE 'D'
SE WILLIAM OTTY RD IMPROVEMENTS
CLACKAMAS COUNTY, OREGON

DATE	MAY 2019
E/N	1727
D/B	PCB
D/S	JHH
CAD	HV

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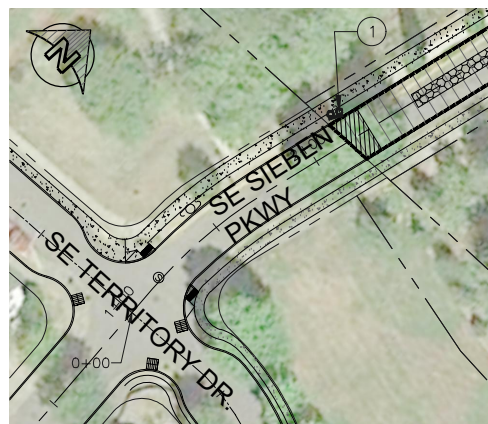
SOUTH **1** SE CRESTHILL LANE & SE SUNBURST LANE
SCHEDULE 'A': SIGN LOCATION
SCALE: N.T.S.



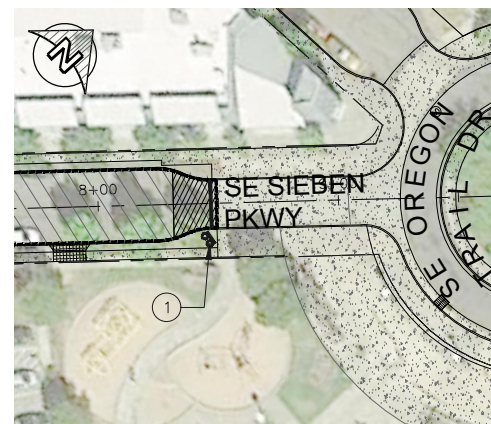
NORTH



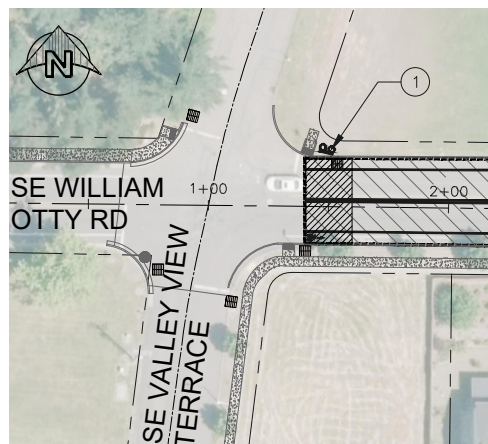
2 SE CITY VIEW DR & SE CHULA VISTA ST.
SCHEDULE 'B': SIGN LOCATION
SCALE: N.T.S.



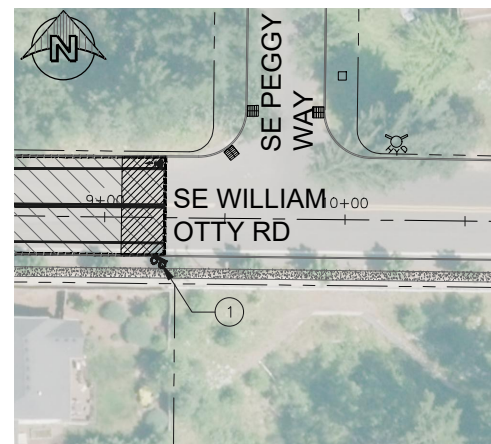
SOUTH **3** SE SIEBEN PARKWAY & SE OREGON TRAIL DR.
SCHEDULE 'C': SIGN LOCATION
SCALE: N.T.S.



NORTH



WEST **4** SE WILLIAM OTTY RD & SE VALLEY VIEW TERRACE
SCHEDULE 'D': SIGN LOCATION
SCALE: N.T.S.



EAST

TEMPORARY SIGNS NOTES:

- 1 PLACE TEMPORARY CONSTRUCTION HOURS SIGN PER CITY STANDARD DETAIL. ORIENT SIGN TO BE CONSPICUOUS. USE 24"x36" SIGN SIZE PER CITY DETAIL 350.

GENERAL NOTES:

- 1. CONTRACTOR TO PROVIDE A PEDESTRIAN & TRAFFIC CONTROL PLAN FOR CITY REVIEW.
- 2. CONTRACTOR TO PROVIDE NOTIFICATION OF BUMPS OR GROOVED PAVEMENT WHEN STREET IS OPENED TO TRAFFIC DURING PAVEMENT REMOVAL PHASE.
- 3. CONTRACTOR TO USE 24" X 36" SIGN.

CONSTRUCTION HOURS SIGN INSTALLATION NOTES:

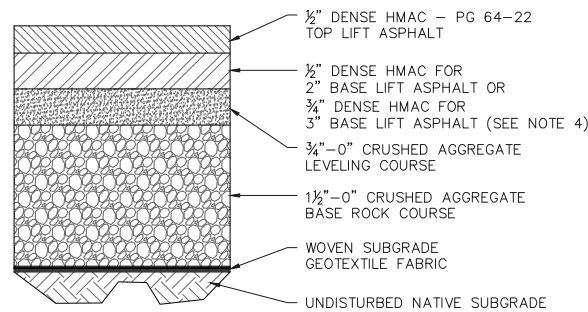
- 4. HEIGHT FROM GROUND TO BOTTOM OF SIGN SHALL BE MIN. 7'.
- 5. EDGE OF SIGN SHALL BE PLACED OUTSIDE OF TRAVEL LANE & WITHIN RIGHT-OF-WAY.
- 6. ALL SIGN LOCATIONS APPROXIMATE.
- 7. SIGNS CANNOT BE PLACED TO OBSTRUCT SIDEWALKS.

REV.	DESCRIPTION	REVISED BY	DATE

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CONSULTING ENGINEERS
6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
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CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT
**CONSTRUCTION HOURS SIGN
NOTES & DETAILS**
CLACKAMAS COUNTY, OREGON

DATE	MAY 2019
E/N	1727
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D/S	JHH
CADD	HV



**PAVEMENT SECTION CHART
COMPONENT THICKNESS (INCHES)**

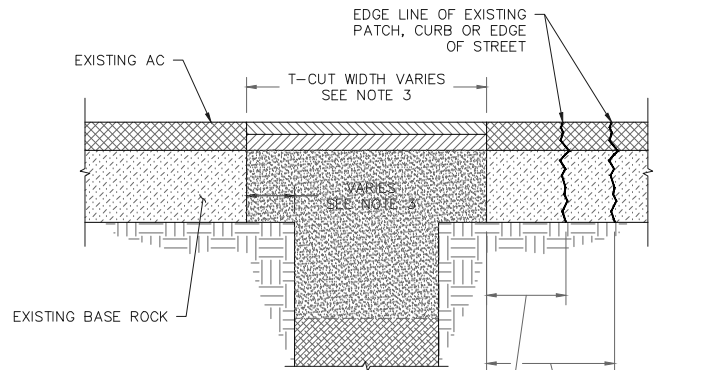
STREET FUNCTIONAL CLASSIFICATION	LEVEL HMAc	BINDER GRADE	TOP LIFT HMAc THICKNESS	BASE LIFT HMAc THICKNESS	LEVELING COURSE THICKNESS	BASE ROCK COURSE THICKNESS	GEOTEXT FABRIC REQUIRED
LOCAL	2	PG64-22	2"	2"	2"	8"	YES
NEIGHBORHOOD	3	PG64-22	2"	2"	2"	9"	YES
COLLECTOR	3	PG64-22	2-1/2"	2-1/2"	3"	9"	YES
ARTERIAL	3	PG64-22	2-1/2"	2-1/2"	4"	10"	YES

NOTES:

- MATERIALS AND PLACEMENT OF THE HOT MIXED ASPHALT CONCRETE (HMAc) SHALL CONFORM TO THE REQUIREMENTS DELINEATED IN SECTION 00744 OF THE ODOT/APWA, OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, EXCEPT AS MODIFIED BY THE CITY AND/OR APPROVED BY CITY ENGINEER.
- THE TOP LIFT OF HMAc SHALL BE PLACED PRIOR TO CITY FINAL ACCEPTANCE OF PUBLIC INFRASTRUCTURE IMPROVEMENTS.
- CRUSHED AGGREGATE USED FOR BASE ROCK AND LEVELING COURSE SHALL CONFORM TO THE REQUIREMENTS DELINEATED IN SECTION 02630 - BASE AGGREGATE, OF THE ODOT/APWA, OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. MAXIMUM MOISTURE DENSITY BY AASHTO T-180 ASTM D-1557 AS SPECIFIED.
- 1/2" DENSE HMAc MAY BE USED IN-LIEU-OF 3/4" DENSE HMAc FOR THE BASE LIFT OF ASPHALT.
- PAVEMENT DESIGN SHALL BE BASED ON SITE SPECIFIC CONDITIONS. THE ABOVE PAVEMENT SECTIONS REPRESENT THE MINIMUM THICKNESS AFTER COMPACTION

HW CITY OF HAPPY VALLEY
ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 160
CITY ENGINEER CAROL EARLE, P.E. DATE: 4/1/2019
PAVEMENT SECTIONS
REVISED BY: PCB/JHH



**PAVEMENT T-CUT
(CROSS-SECTION VIEW)**

NOTES: SCALE = N.T.S. IF < 5' REPLACE SURFACE, SEE NOTE 5 IF ≥ 5' REPLACE SURFACE, SEE NOTE 5

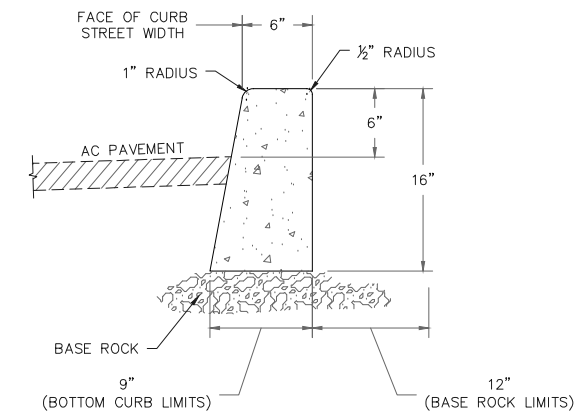
- THIS DRAWING APPLIES TO TRENCH CUTS AND OTHER KINDS OF STREET CUTS.

STREET FUNCTIONAL CLASSIFICATION	WIDTH OF T-CUT BEYOND EDGE OF TRENCH	
	≤ 12" TRENCH	> 12" TRENCH
LOCAL	6"	12"
NEIGHBORHOOD	36"	
COLLECTOR	36"	
ARTERIAL	36"	

- SEE DETAIL 160 FOR TYPICAL STREET PAVEMENT SECTION AC THICKNESS TO MATCH SURROUNDING TRENCH OR CUT. SEE DWG NO. 205 AND 210 FOR TRENCH RESTORATION INFORMATION.
- THERE IS A 5 YEAR MORATORIUM FOR STREET CUTS ON NEWLY PAVED STREETS.
- IF NEW EDGE OF PAVEMENT IS LESS THAN 5 FT FROM ANOTHER PATCH, CURB OR EDGE OF STREET, REPLACE THE PAVEMENT IN BETWEEN. REMOVE AND REPLACE ANY PRE-EXISTING PATCHES THAT ARE LOCATED ENTIRELY WITHIN THE 5 FT.
- NEW EDGE OF PAVEMENT (EDGE LINE) SHALL NOT LIE IN A WHEEL PATH. WIDTH OF T-CUT SHALL BE WIDENED WHERE NECESSARY TO MOVE THE EDGE LINE OUT OF THE WHEEL PATH SO THAT BOTH CONDITIONS BELOW ARE SATISFIED:
(A) NEW EDGE OF PAVEMENT IS AT LEAST 12" FROM THE WHEEL PATH AND
(B) NEW EDGE OF PAVEMENT COMPLIES WITH NOTES 3 AND 5.

HW CITY OF HAPPY VALLEY
ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 200
CITY ENGINEER CAROL EARLE, P.E. DATE: 4/1/2019
PAVEMENT T-CUT
REVISED BY: PCB/JHH



STANDARD VERTICAL CURB

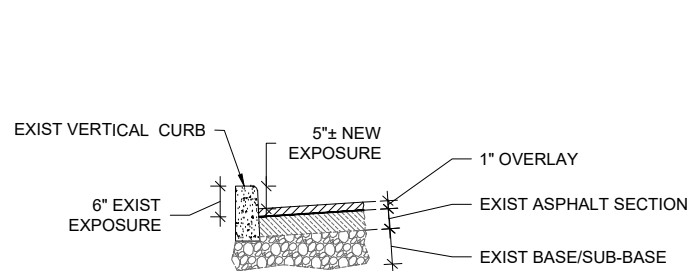
SCALE = N.T.S.

NOTES:

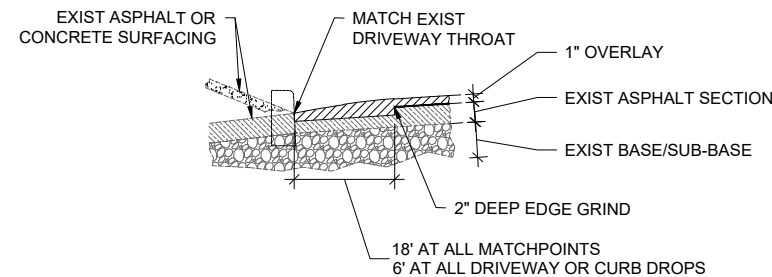
- VERTICAL CURB MAY BE USED AT MEDIANS AND MEDIAN PLANTING STRIPS, OR IN REPLACEMENT OF DAMAGED EXISTING VERTICAL CURBS.
- CONCRETE SHALL BE COMMERCIAL MIX WITH A 28-DAY COMPRESSIVE STRENGTH OF 3300 PSI AND SHALL MEET ALL REQUIREMENTS FROM ODOT SECTION 00440.
- CONSTRUCT EXPANSION JOINTS AT 200' MAXIMUM SPACING, AND AT POINTS OF TANGENCY, AND AT ENDS OF EACH DRIVEWAY.
- EXPANSION JOINT MATERIAL SHALL BE PREFORMED FILLER NOT LESS THAN 1/2" WIDE AND SHALL MEET ALL REQUIREMENTS FROM ODOT SECTION 00759.
- CONTRACTION JOINTS SHALL HAVE:
A. SPACING OF NOT MORE THAN 15 FEET.
B. DEPTH OF JOINT OF AT LEAST 1 1/2".
- BASE ROCK SHALL BE 3/4"-0", COMPACTED TO 95% OF MAXIMUM DENSITY PER AASHTO T-180. BASE ROCK SHALL BE TO SUBGRADE OF STREET STRUCTURES OR 4", WHICHEVER IS GREATER, AND SHALL EXTEND 12" BEHIND CURB.
- WEEP HOLES ARE NOT ALLOWED THROUGH THE CURB.

HW CITY OF HAPPY VALLEY
ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

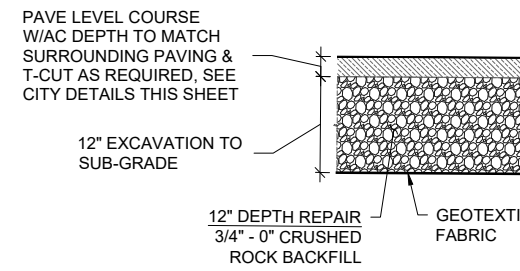
DWG NO: 235
CITY ENGINEER CAROL EARLE, P.E. DATE: 4/1/2019
VERTICAL CURB
REVISED BY: PCB/JHH



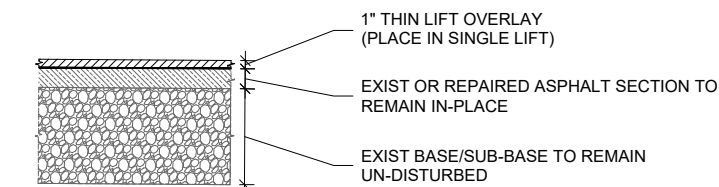
1 STANDARD CURBED EDGE OF OVERLAY DETAIL
SCALE: N.T.S.



2 STANDARD BUTT JOINT AT GRADE
SCALE: N.T.S.



3 FULL DEPTH STREET REPAIR
SCALE: N.T.S.



4 1" THIN LIFT
SCALE: N.T.S.

HW HAPPY VALLEY, OR EST. 1965

BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALE AS SHOWN ACCORDINGLY.

REV.	DESCRIPTION	REVISED BY	DATE

REVISIONS

DIGITAL SIGNATURE
REGISTERED PROFESSIONAL ENGINEER
17,219#
OREGON
MAY 19 89A
ABDULMUSANN ABBAJIB

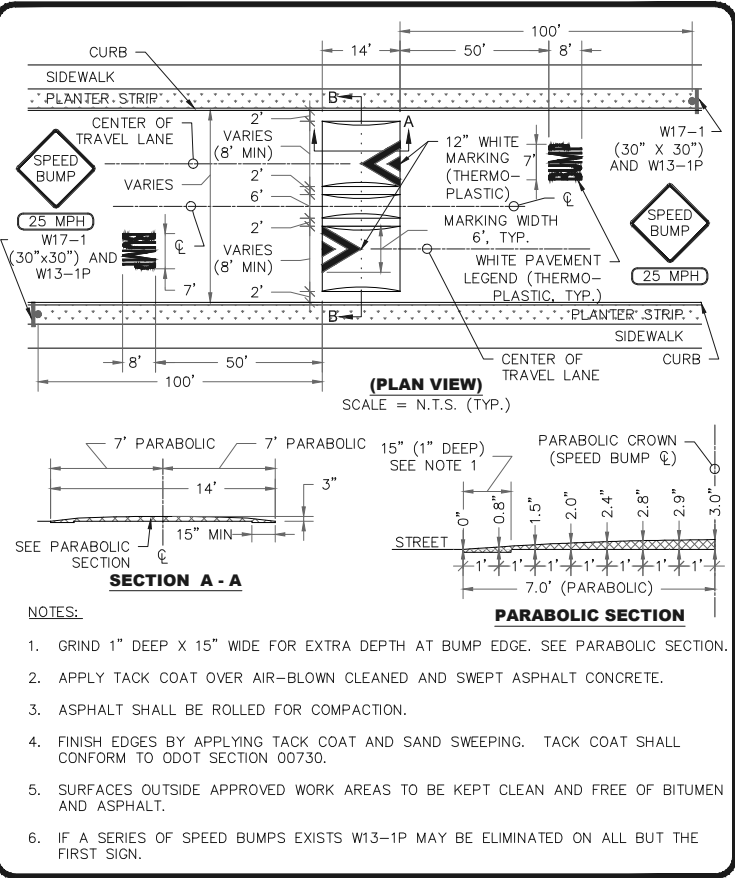
CURRAN-McLEOD, INC.
CONSULTING ENGINEERS

6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684-3478

EXPIRES: 6/30/2019

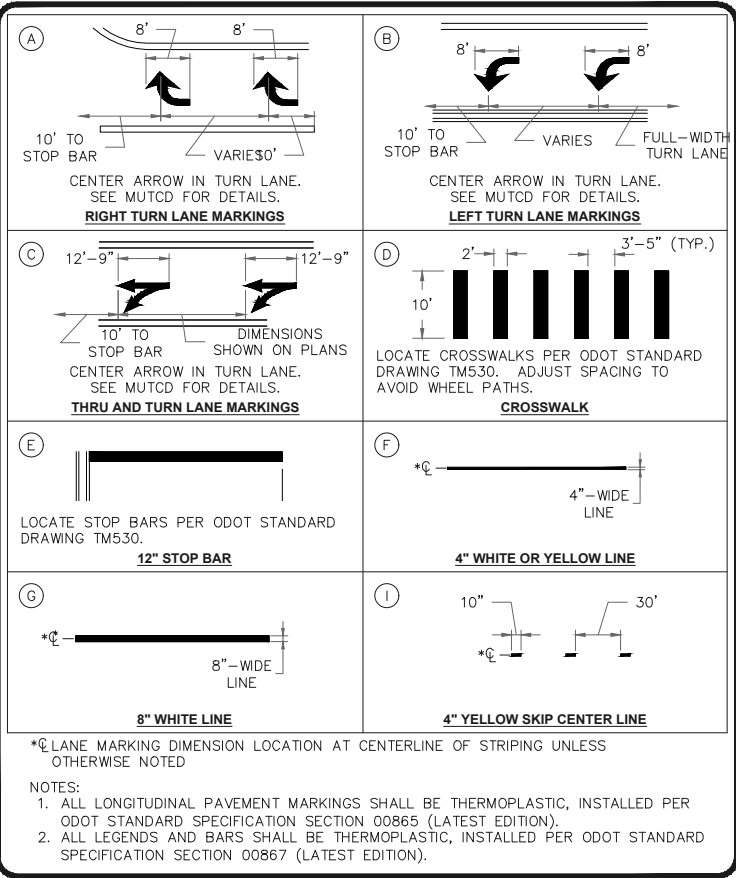
CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT
CITY OF HAPPY VALLEY
STANDARD DETAILS 1
CLACKAMAS COUNTY, OREGON

DATE	MAY 2019
E/N	1727
D/B	PCB
D/S	JHH
CADD	HV



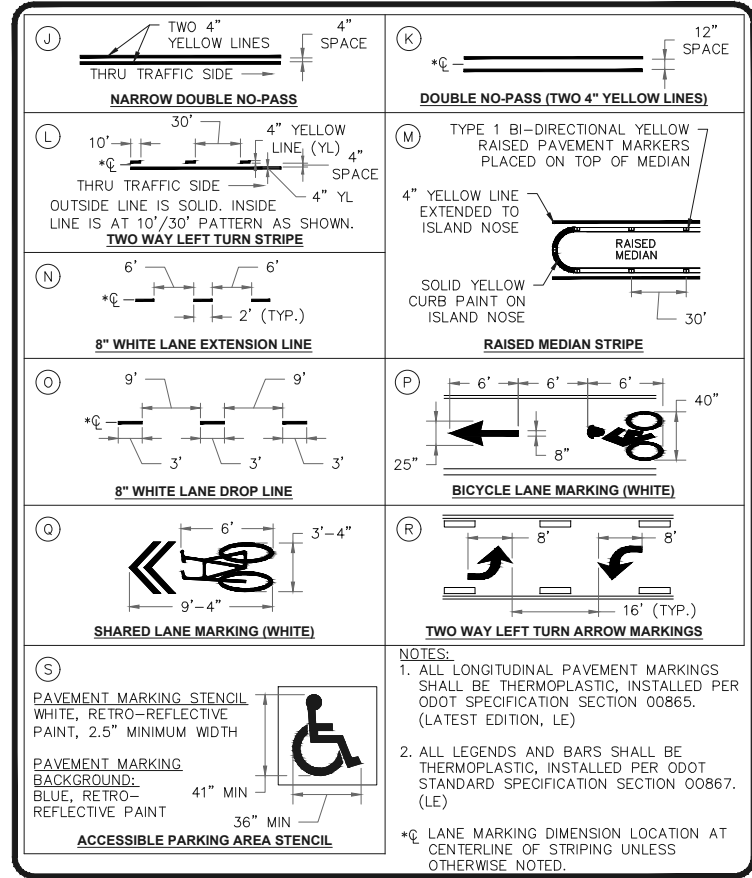
CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 320
CITY ENGINEER: CAROL EARLE, P.E.
DATE: 4/1/2019
REVISED BY: PCB/JHH



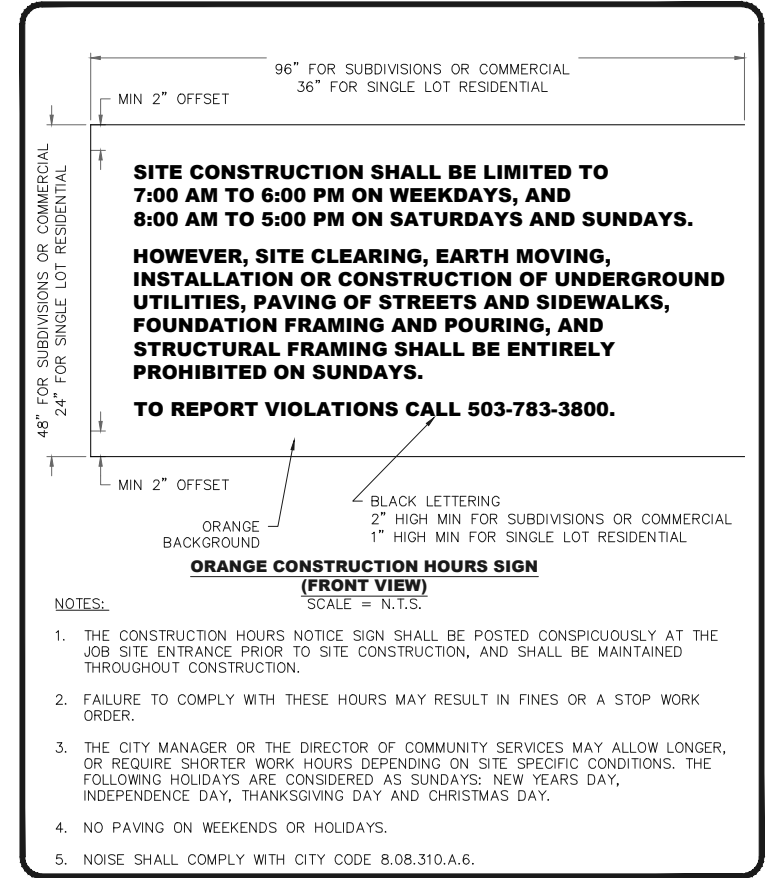
CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 330
CITY ENGINEER: CAROL EARLE, P.E.
DATE: 4/1/2019
REVISED BY: PCB/JHH



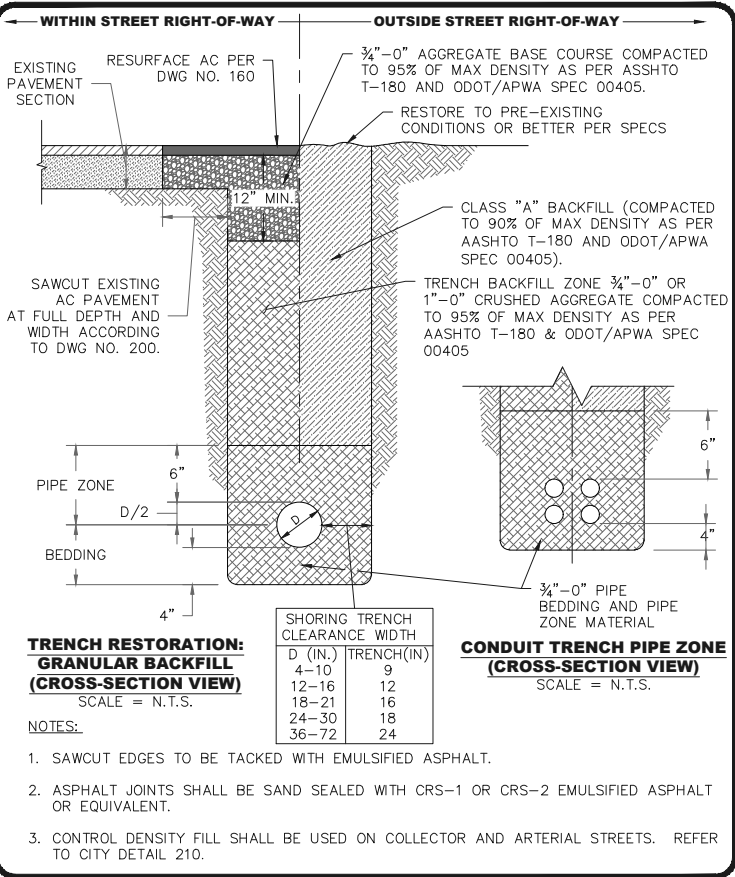
CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 335
CITY ENGINEER: CAROL EARLE, P.E.
DATE: 4/1/2019
REVISED BY: PCB/JHH



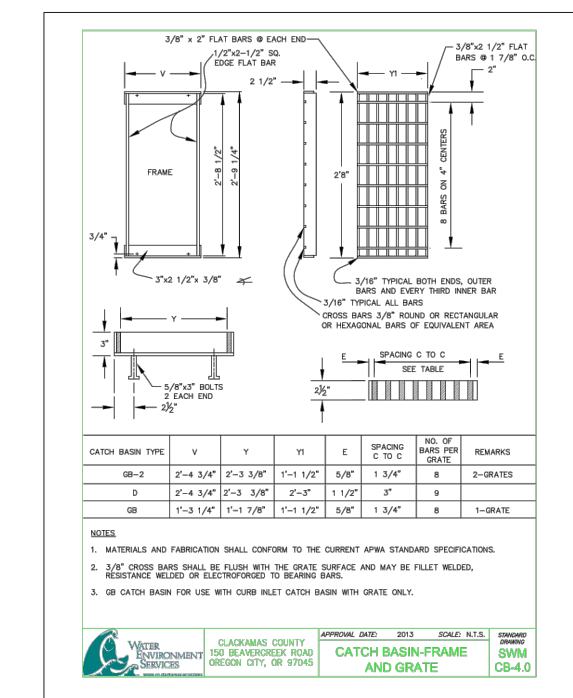
CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 350
CITY ENGINEER: CAROL EARLE, P.E.
DATE: 4/1/2019
REVISED BY: PCB/JHH



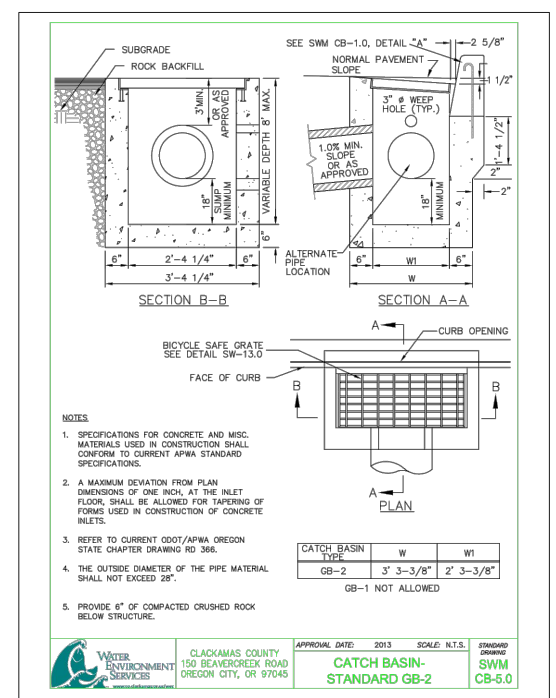
CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 205
CITY ENGINEER: CAROL EARLE, P.E.
DATE: 4/1/2019
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CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 330
CITY ENGINEER: CAROL EARLE, P.E.
DATE: 4/1/2019
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CITY OF HAPPY VALLEY ENGINEERING DIVISION
16000 SE MISTY DRIVE
HAPPY VALLEY, OR 97086

DWG NO: 335
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CITY OF HAPPY VALLEY ENGINEERING DIVISION
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CITY OF HAPPY VALLEY ENGINEERING DIVISION
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CITY ENGINEER: CAROL EARLE, P.E.
DATE: 4/1/2019
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CURRAN-MCLEOD, INC. CONSULTING ENGINEERS
6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684-3478

CITY OF HAPPY VALLEY 2019 STREET IMPROVEMENT PROJECT
CITY OF HAPPY VALLEY STANDARD DETAILS 3
CLACKAMAS COUNTY, OREGON

DATE	MAY 2019	9 OF 10
D/N	1727	
D/S	PCB	
D/S	JHH	
CAD	HV	

REV.	DESCRIPTION	REVISED BY	DATE
	90% REDLINE UPDATES	JVB	4/26/19

REGISTERED PROFESSIONAL ENGINEER
17,219PE
CURRAN-MCLEOD, INC.
EXPIRES: 6/30/2019

CEMENT-TREATMENT EROSION CONTROL NOTES:

- DO NOT PERFORM CEMENT-TREATED BASE (CTB) APPLICATION WITHIN **72 HOURS** PRIOR TO PREDICTED RAINFALL PER NATIONAL WEATHER SERVICE.
- CONTRACTOR SHALL MAKE EVERY EFFORT TO MINIMIZE CEMENT DUST GENERATION INTO AIR.

EROSION / SEDIMENTATION / POLLUTION CONTROL NOTES

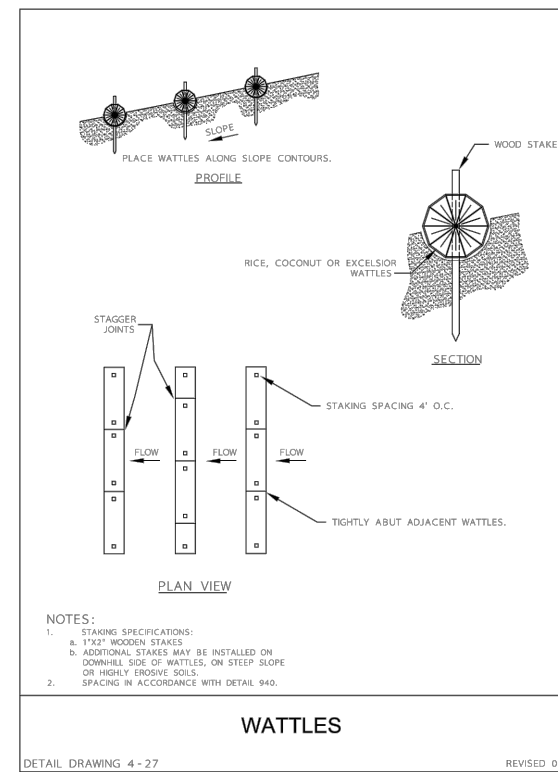
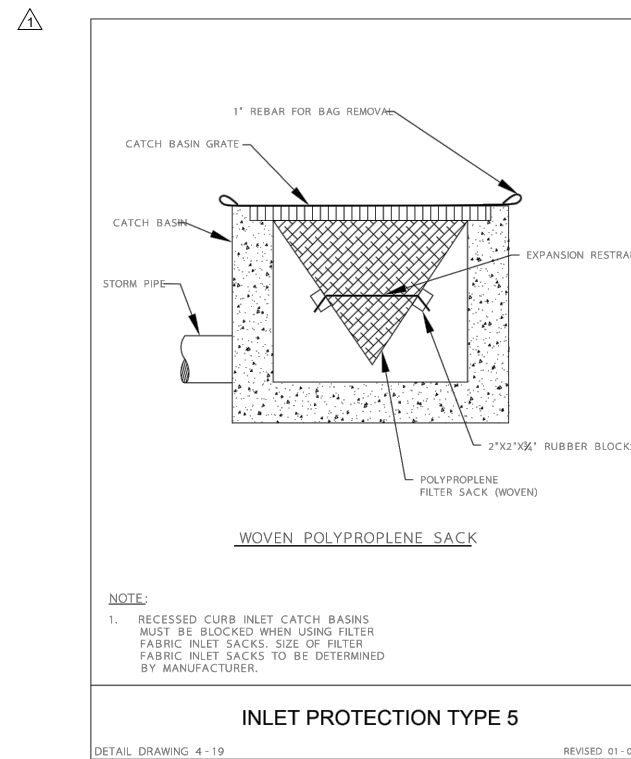
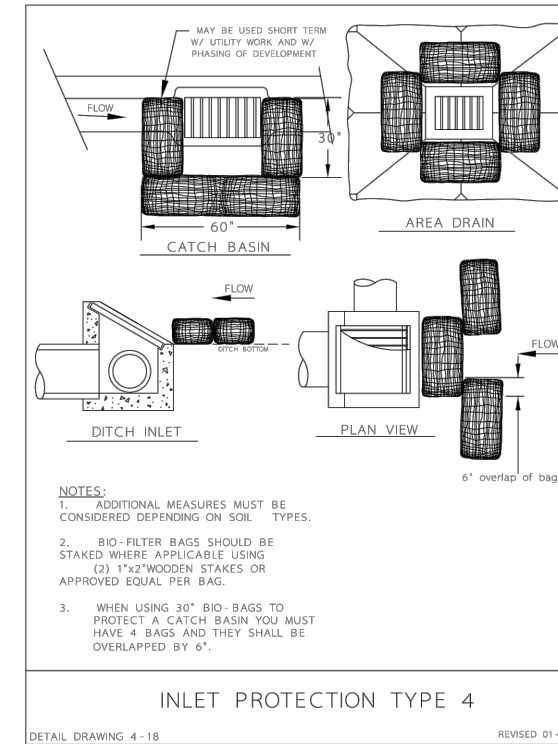
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL MEASURES, IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- THE IMPLEMENTATION OF THESE ESC PLANS AND CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE LOCAL JURISDICTION, AND VEGETATION/LANDSCAPING IS ESTABLISHED. THE OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE AFTER THE PROJECT IS ACCEPTED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE MARKINGS SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS OR VIOLATE APPLICABLE STANDARDS.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR THE ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING. CONTRACTOR IS REQUIRED TO KEEP WRITTEN INSPECTION LOGS.
- AT NO TIME SHALL THE SEDIMENT BE ALLOWED TO ACCUMULATE MORE THAN 1/3 THE BARRIER HEIGHT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED GRAVEL ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- STORM DRAIN INLETS, BASINS AND AREA DRAINS SHALL BE PROTECTED UNTIL PAVEMENT SURFACES ARE COMPLETED AND/OR VEGETATION IS RE-ESTABLISHED.
- PAVEMENT SURFACES AND VEGETATION ARE TO BE PLACED AS RAPIDLY AS POSSIBLE.
- SEEDING OR HYDRO-SEEDING SHALL BE PERFORMED NO LATER THAN SEPTEMBER 1.
- IF THERE ARE EXPOSED SOILS OR SOILS NOT FULLY ESTABLISHED FROM OCTOBER 1ST THROUGH APRIL 30TH, THE WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT. SEE THE EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL (CHAPTER 4) FOR REQUIREMENTS.
- THE OWNER SHALL REMOVE ESC MEASURES WHEN VEGETATION IS FULLY ESTABLISHED.
- ALL EROSION CONTROL MEASURES SHALL COMPLY WITH LOCAL, STATE AND FEDERAL REGULATIONS.
- INSTALL WATTLES OR BIOBAGS AROUND EDGE OF EXPOSED BASE FOR SIDEWALK & ADA RAMP WORK AREAS.

INSPECTION AND MAINTENANCE

- INSPECT DAILY ON ACTIVE SITES, ONCE EVERY TWO WEEKS ON INACTIVE SITES, AND WITHIN 24 HOURS FOLLOWING A 0.5 INCH RAIN EVENT.
- IMMEDIATELY REPAIR ANY DAMAGE.
- REMOVE ACCUMULATED SEDIMENT ONCE IT HAS REACHED 1/3 THE BARRIER HEIGHT OR A MAXIMUM OF 10 INCHES, WHICH EVER IS LESS.
- INSPECT FOR CHANNEL FORMATION PARALLEL TO THE FENCE, WHICH INDICATES THAT THE GEOTEXTILE IS ACTING AS A FLOW BARRIER
- REPLACE DETERIORATED OR CLOGGED GEOTEXTILE.
- CHECK FOR UNDERCUTTING OR PIPING UNDER FENCE
- CHECK FOR UNDERCUTTING OR PIPING UNDER FENCE.

TEMPORARY GRASSES AND PERMANENT VEGETATIVE COVER

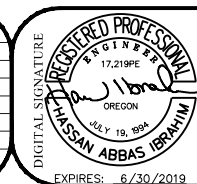
- TEMPORARY GRASS COVER MEASURES MUST BE FULLY ESTABLISHED BY NOVEMBER 1 OR OTHER COVER MEASURES WILL HAVE TO IMPLEMENTED UNTIL ADEQUATE GRASS COVERAGE IS ACHIEVED. TO ESTABLISH AN ADEQUATE GRASS STAND FOR CONTROLLING EROSION BY NOVEMBER 1, IT IS RECOMMENDED THAT SEEDING AND MULCHING OCCUR BY SEPTEMBER 1. (ANY SEEDING PLANNED AFTER SEPTEMBER 1 MUST PRE-GERMINATED GRASS SEED.)
- HYDROMULCH SHALL BE APPLIED WITH GRASS SEED AT A RATE OF 2000 LB./ACRE ON SLOPES STEEPER THAN 10 PERCENT, HYDROSEED AND MULCH SHALL BE APPLIED WITH A BONDING AGENT (TACKIFIER). APPLICATION RATE AND METHODOLOGY TO BE IN ACCORDANCE WITH SEED SUPPLIER RECOMMENDATIONS.
- SEEDING-RECOMMENDED EROSION CONTROL GRASS SEED MIXES SHALL FOLLOW SEEDING GUIDELINES AS PER CLACKAMAS COUNTY WES EROSION PREVENTION PLANNING & DESIGN MANUAL SIMILAR MIXES DESIGNED TO ACHIEVE EROSION CONTROL MAY BE SUBSTITUTED IF APPROVED BY JURISDICTION:
- FERTILIZATION FOR GRASS SEED - IN ACCORDANCE WITH SUPPLIER'S RECOMMENDATIONS
- WATERING-SEEDING SHALL BE SUPPLIED WITH ADEQUATE MOISTURE TO ESTABLISH GRASS.
- SUPPLY WATER AS NEEDED, ESPECIALLY IN ABNORMALLY HOT OR DRY WEATHER OR ON ADVERSE SITES. WATER APPLICATION RATES SHOULD BE CONTROLLED TO PROVIDE ADEQUATE MOISTURE WITHOUT CAUSING RUNOFF.
- RE-SEEDING - AREAS WHICH FAIL TO ESTABLISH GRASS COVER ADEQUATE TO PREVENT EROSION SHALL BE RE-SEEDED AS SOON AS SUCH AREAS ARE IDENTIFIED, AND ALL APPROPRIATE MEASURES TAKEN TO ESTABLISH ADEQUATE COVER.
- AT THE END OF SITE CONSTRUCTION, PAVING APPROVED PERMANENT SITE LANDSCAPING OR ESTABLISHMENT OF A HEALTHY STAND OF GRASS (OR ALTERNATIVE VEGETATION AS APPROVED) MUST OCCUR PRIOR TO REMOVAL OF SITE EROSION CONTROL MEASURES.



BAR IS ONE INCH ON ORIGINAL DRAWING. ADJUST SCALE AS SHOWN ACCORDINGLY.

REV.	DESCRIPTION	REVISED BY	DATE

REVISIONS



CURRAN-MCLEOD, INC.
CONSULTING ENGINEERS

6655 S.W. HAMPTON ST., SUITE 210
PORTLAND, OREGON 97223
PHONE (503) 684-3478

CITY OF HAPPY VALLEY
2019 STREET IMPROVEMENT PROJECT

EROSION & CONTROL PLAN
NOTES & DETAILS

CLACKAMAS COUNTY, OREGON

DATE	MAY 2019	10 OF 10
E/N	1727	
D/B	PCB	
D/S	JHH	
CAD	HV	

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