City of Springfield
Development and Public Works

APRIL 19TH, 2022

NOTICE TO PLAN CENTERS AND POTENTIAL BIDDERS

Project #P21166

S. 28th St. Sanitary Sewer Extension

A **MANDATORY** on-site pre-bid meeting will be held on **Tuesday, April 26th, 2022,** at 10:00 am at 800 South 28th Street, Springfield, Oregon.

The deadline for submitting questions regarding this Invitation to Bid prior to Bid opening is Tuesday, May 3rd, 2022, at 5:00 pm. All questions should be addressed to Amanda Clinton, Contracts Analyst, at aclinton@springfield-or.gov or 541-726-3628. *Any contact with other City officials may be grounds for disqualification of the Bid.*

Please Take Note:

- The complete set of bid documents for this project consists of the Bid Book and Plan Set with Standard Drawings.
- For your Bid to be considered responsive, you must submit the required forms listed in the Instructions to Bidders, Page 2, Section 5.
- Any addendums or revisions must be acknowledged and submitted with your Bid. *You are not required to submit the Plan Set and Standard Drawings as a part of your Bid.*

THIS ABRIDGED BID BOOK DOES NOT CONTAIN ALL DOCUMENTS REQUIRED TO SUBMIT YOUR BID. YOU MUST PURCHASE A BID BOOK FROM THE CITY OF SPRINGFIELD.

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Local Funding

Documents indicated with a checkbox must be included with each bid submittal for the bid to be considered responsive. *Documents without a checkbox do not need to be included in the bid submittal.*

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- Invitation to Bidders
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- Instruction to Bidders
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Book 2: Project Plan Set and Standard Drawings– Separate Book

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Additional Documents to be submitted

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CITY OF SPRINGFIELD, OREGON
Invitation to Bidders

Public Works Capital Improvement Project

Project No. P21166 **Title: S. 28th St. Sanitary Sewer Extension**

Description: The proposed work generally consists of furnishing all labor, equipment, materials, and supervision for sanitary sewer construction of approximately 1363 lineal feet of 12-inch diameter PVC pipe, along with associated manholes and service laterals.

A **MANDATORY** pre-bid meeting will be held on on-site **Tuesday, April 26, 2022,** at 10:00 am. The meeting will on-site at 800 South 28th Street, Springfield, Oregon 97477.

Bid documents are available for purchase at City of Springfield City Hall, Development and Public Works offices-South East Quad, 225 Fifth Street, Springfield, OR 97477, for a non-refundable fee of $**20.00** and are available for viewing at this location. Abridged bid documents are available online at P21166 – S 28th St Sewer Extension - City of Springfield, Oregon (springfield-or.gov). *Bid books on file with plan centers are incomplete and cannot be submitted as completed bids.*

The **deadline for submitting questions** regarding this Invitation to Bid is Tuesday, May 3, 2022, at 5:00 pm. All questions should be addressed to Amanda Clinton, Contracts Analyst, at aclinton@springfield-or.gov*or by* calling 541-726-3628. Any Contact with other City officials may be grounds for disqualification of the bid.

Any bidder requiring special assistance or auxiliary aids during the bidding and award process should contact **Mariah Kimpton at 541-726-2245 or mkimpton@springfield-or.gov** at least two (2) business days before the scheduled program, activity, or meeting for hearing assistance or a sign language interpreter and at least five (5) business days before the event for all other meeting accommodations. Assistive listening systems are available for the hearing impaired in the Municipal Courtrooms and City Council Chambers. TTY users dial Oregon Relay Services at 711. Requests for documents in alternate formats should be submitted at least ten (10) calendar days prior to the date the materials are needed to allow time for the City to respond to the request. At the discretion of the City, submission deadlines may be extended to accommodate a request for alternate formats.

This project is subject to the state prevailing wage rates under ORS 279C.800 to 279C.870. Each bid must contain a statement as to whether the bidder is a resident bidder, as defined in ORS 279A.120. In accordance with ORS 279C.365, the City will not consider a bid unless it contains a signed statement by the bidder that they will comply with ORS 279C.838 through ORS 279C.870.

All Contractors performing work on this project shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.560, as applicable, in place at the time the quote is presented.

The City of Springfield may reject any or all bids, not in compliance with all prescribed public bidding procedures and requirements, including the requirement to demonstrate the bidder's responsibility under ORS 279C.375, or waive minor irregularities not affecting substantial rights and may reject for a good cause any or all bids upon a finding of the City of Springfield it is in the public interest to do so and accept such bids that in the opinion of the Springfield City Council are in the best interest of the City.

The City of Springfield encourages contractors, sub-contractors, minority, woman-owned, and emerging small businesses to participate in City projects.

Sealed bids will be received at Springfield City Hall, Development and Public Works, Southeast Quad, Attn: Amanda Clinton, Contracts Analyst, 225 Fifth Street, Springfield, OR 97477, until, but no later than 2:00 pm. Local Time, **Wednesday, May 11, 2022,** and opened immediately thereafter through the online Teams meeting link below:

Microsoft Teams meeting

Join on your computer or mobile app

Click here to join the meeting

Or call in (audio only)

+1 689-206-0340,,98998778# United States, Orlando

Phone Conference ID: 989 987 78#

Find a local number | Reset PIN

Learn More | Meeting options

Published: Daily Journal
Register-Guard Publishing

City of Springfield
225 Fifth Street
Springfield, OR 97477

Construction Bid Submittal

Project No. P21166

Project Title: S. 28th St Sanitary Sewer Extension

Item No.	Description	Specification Number	Approx. Quantity	Per	Unit Price	Total Price Extension
1	Mobilization	00210.90	1	LS		
2	Temporary Work Zone Traffic Control - Complete	00221.98	1	LS		
3	Erosion Control	00280.90(a)	1	LS		
4	Clearing and Grubbing	00320.90	1	LS		
5	Mainline Video Inspection	00415.90(a)	1363	LF		
6	Controlled Low Strength Material (CLSM)	00442.90(a)	25	CY		
7	6-inch ASTM D3034 SDR 35 PVC Sanitary Sewer Pipe	00445.91(b.1)	200	LF		
8	12-inch ASTM D3034 SDR 35 PVC Sanitary Sewer Pipe	00445.91(b.2)	1363	LF		
9	6-inch x 12-inch x 12-inch ASTM D3034 SDR 35 PVC Tee	00445.91(c)	6	EA		
10	Two Way 6-inch Lateral Cleanout, Box and Cover - Complete in Place	00445.91(m)	8	EA		
11	Install New 48-Inch Concrete Manhole	00470.90(a)	4	EA		
12	Connect New Pipe to Existing Manhole	00490.90(g)	1	EA		
13	Level 2, ½-inch Dense Asphalt Concrete Pavement (ACP)	00744.90(a)	40	TON		
14	White Paint Stripe	00860.90(a)	200	SF		

Terms, Declarations and Bid Submittal

Bidder's Understanding

Bidders shall determine for themselves all the conditions and circumstances affecting the projected cost of the proposed work by personal examination of the site, Contract documents, and by such other means they may deem to be necessary. It is understood and agreed that in the event the City has obtained information from data at hand regarding underground or other conditions or obstructions depicted in the Contract documents, there is no expressed or implied agreement that such conditions are fully or correctly shown, and

the Bidder must take into consideration the possibility that conditions affecting the cost or quantity of work may differ from those indicated.

The Bidder is familiar with and is satisfied as to all federal, state and local laws and regulations that may affect cost, progress, and performance of the work.

Bid

The undersigned Bidder having examined the Specifications and Contractual Documents and having satisfied themselves as to all conditions to be encountered, hereby proposes to furnish all labor, material and equipment and perform all work necessary to complete the project in accordance with this Bid, the Contract Plans, Section 100 of the City of Springfield Standard Construction Specifications, 1994 Edition and all subsequent modifications, Parts 00200 through 03000 of the 2021 Oregon Standard Specifications for Construction, the Special Provisions, and all other Contractual Documents at the prices and on the terms herein contained.

The unit price Bids are submitted with the understanding that the quantities stated are approximate and are given only as the basis of calculation for comparison of Bids and determining that the unit prices are balanced and that final payment for all unit price items will be based on actual quantities.

It is understood that in the instance of a discrepancy between the unit price and the extension (total price extension) the unit price shall govern. The extension shall be determined by multiplying the unit price by the number of units (approximate quantity).

Bid Guarantee

As required by ORS 279C.365(5) each Bid shall be accompanied by a Bid Bond, cash, or a certified or cashier's check written upon a bank in good standing and in a form acceptable to the City, payable to the Finance Director of the City of Springfield, Oregon, in an amount equal to at least 10 percent of the total amount of the Bid. Bid Bonds shall be issued by a surety company registered to issue bonds in the State of Oregon, and utilizing a bond form acceptable to the City. The City will accept AIA Document A310-2010. The Bid Bond may not be altered.

Such Bid Guarantee shall be forfeited and become the property of the City in case the Bidder shall fail or neglect to furnish a satisfactory Performance and/or Payment Bond issued by a viable bond company acceptable to the City as required by ORS 279C.380 and to execute the Contract within ten (10) days (Saturday, Sunday, and holidays excepted) after receiving Contract from the City for execution. For information regarding Performance and Payment Bond requirements see City of Springfield Contract document, Section 5. City Bonding.

Bid Acceptance Period

This Bid will remain subject to acceptance for a period of 60 days after the bid opening, or for such longer period of time that the Bidder may agree to in writing upon request of the City.

Contract Award

Bids will be accepted and awarded in accordance with Oregon Public Contracting Law and Section 103.01 of the City's most recent version of the Standard Construction Specifications.

Prior to awarding the Contract, the City may, at its sole discretion, require Contractors and/or Subcontractors to demonstrate to the City's satisfaction that they have a complete and clear understanding of all requirements of the Prevailing Wage Rate Laws contained in ORS 279C.800 through 279C.870 and possess the expertise necessary for fulfilling their obligations pertaining to these requirements throughout the administration of the Contract. In determining competency, the City may consider Certified Payroll Reports submitted by the Contractor and/or Subcontractor for projects previously performed for the City, copies of Certified Payroll Reports submitted to other public entities, references from other public entities attesting to the Contractor's expertise, or an interview with the Contractor regarding their personnel resources and expertise or their ability to obtain the resources and expertise necessary to meet all contractual responsibilities in accordance with ORS 279C.375.

Time is of the Essence
Time is of the essence in the Contractor's performance of the Contract. Delays in the Contractor's performance of the work may inconvenience the public, interfere with business and commerce, and increase cost to the City. It is essential and in the public interest that the Contractor prosecute the work vigorously to Contract completion. The City does not waive any rights under the Contract by permitting the Contractor to continue to perform the Contract, or any part of it, after the Contract Time of Completion shown below, or as adjusted by Contract Change Order, has expired.

Liquidated Damages
The City of Springfield and the Contractor agree that; (a) the amounts so fixed are reasonable forecasts of just compensation for the harm that is caused by the breach; (b) the harm that is caused by the breach is one that is incapable of or very difficult of accurate estimation; and, (c) the amount so fixed is not fixed as a penalty to coerce performance of the Contract but is rather intended to be a genuine pre-estimation of injury to the City of Springfield in lieu of performance within the contract time by the Contractor.

a. Delay
It is agreed by the City of Springfield and by the Contractor that the need exists for a damage provision in the event the Contractor fails to complete the work within the Contract time specified, or any extension thereof, by the City of Springfield. The City of Springfield and the Contractor further agree that the Contractor shall be liable to the City of Springfield for fixed, agreed and liquidated damages for each and every calendar day of delay in the amount of $500.00 per day in accordance with Subsection 108.07 of the Standard Construction Specifications.

b. Failure to Report Spills
The Contractor also agrees to liquidated damages in the amount of $500.00 per incident for failure to report sewage spills plus an amount sufficient to reimburse the City for any civil and administrative penalties paid by the City as a result of the contractor's failure to report. Failure to report sewage spills may subject the City to (1) civil penalties of up to $32,500.00 per day of violation pursuant to Section 309(d) of the Clean Water Act, 33 U.S.C. § 1319(d); (2) administrative penalties of up to $11,000.00 per day for each violation, pursuant to Section 309(g) of the Clean Water Act, 33 U.S.C. § 1319(g); or (3) civil action in federal court for injunctive relief pursuant to Section 309(b) of the Clean Water Act, 33 U.S.C. § 1319(b).

Contract Time of Completion
The Contractor shall not begin work under this Bid until written Notice to Proceed has been received and a pre-construction meeting has been held. The Contractor shall complete the work under this Bid by **October 14th, 2022.**

The Contractor shall apply for any extensions of time as specified in Subsection 108.06 of the Standard Construction Specifications.

Certifications
The undersigned hereby certifies that:

1.) If awarded the Contract, that they shall fully comply with all provisions regarding the prevailing wage rates as required by ORS 279C.800 to 279C.870 and/or 40 U.S.C. 2762 as applicable.

2.) The Contractor, Subcontractor, suppliers of materials or services, and others engaged by the Contractors, shall comply at all times with and observe all such laws, ordinances, regulations, orders, and decrees; and shall hold harmless and indemnify the City of Springfield and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree.

3.) The Contractor, Subcontractor or other person doing, or contracting to do, or contracting for the whole or any part of the work on the Contract shall comply with all applicable requirements of Federal and State civil rights and rehabilitation statutes, rules and regulations.

4.) In conformance with OAR 137-049-0440(3) and ORS 279A.110(4) the Contractor has not, and will not, discriminate against a Subcontractor in the awarding of a subcontract because the Subcontractor is a minority, women or emerging small business enterprise certified under ORS 200.055 or a business enterprise that is owned or controlled by or that employs a disabled veteran, as defined in ORS 408.225.

5.) In accordance with ORS 279C.505, the Contractor will;

a.) Make payment promptly, as due, to all persons supplying to the Contractor labor or material for the performance of the work provided for in the Contract.

b.) Promptly pay all contributions or amounts due the State Industrial Accident Fund, or private carrier of accident insurance, from such Contractor or Subcontractor incurred in the performance of the Contract. If a private carrier is used, the Contractor shall notify the Engineer as to the carrier's name and address before commencement of work.

c.) Not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation or subdivision thereof, on account of any labor or material furnished.

d.) Pay to the Department of Revenue all sums withheld from employees under ORS 316.167.

e.) Have an employee drug testing program in place at the time of signing the contract and will maintain such drug testing program in place over the life of the Contract. Upon request, the Contractor shall furnish a copy of the employee drug testing program to the City.

6.) In accordance with ORS 279C.510, If demolition is involved, the Contractor shall salvage or recycle construction and demolition debris, if feasible and cost-effective as required by ORS 279C.510(1).
If lawn or landscaping maintenance is involved, the Contractor shall compost or mulch yard waste in an approved site, if feasible and cost-effective as required by ORS 279C.510(2).

7.) In accordance with ORS 279C.520, no person will be employed by the Contractor or Subcontractor for more than 10 hours in any one day, or 40 hours in any one week except in cases of necessity, emergency, or where the public policy absolutely requires it, and in such cases the person so employed shall be paid at least time and one-half the regular rate of pay for all times worked in excess of eight hours a day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; or in excess of 10 hours a day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and for all work performed on a Saturday, Sunday and on any legal holiday specified in ORS 279C.540.

8.) In compliance with ORS 279C.525, the Contractor has received and reviewed Federal, State and local agencies that may have enacted ordinances, rules or regulations dealing with the prevention of environmental pollution and the preservation of natural resources that may affect the performance of this Contract as identified under Section 13 of the Contract. Accordingly, if the Contractor is delayed or must undertake additional work by reason of ordinances, rules, or regulations relating to the prevention of environmental pollution and the protection of natural resources subsequent to the date of submission or the successful quote, the City may:

a.) Terminate the Contract,

b.) Complete the work itself,

c.) Use non-owner forces already under contract with the City of Springfield,

d.) Solicit bids for a new contractor to provide the necessary services under competitive bid requirements 279C,

e.) Issue the Contractor a change-order setting forth additional work that must be undertaken.

9.) In accordance with ORS 279C.530, the Contractor will;

a.) Promptly, as due, make payments to any person, co-partnership, association or corporation, furnishing medical, surgical, and hospital care or other needed care and attention, incidental to

sickness or injury, to the employees of such Contractor, of all sums which the Contractor agrees to pay for such services and all monies and sums which the Contractor:

1. May or shall have deducted from the wages of his employees for such services pursuant to the terms of Oregon Revised Statutes and any contract entered in pursuant thereto; or
2. Collected or deducted from the wages of his employees pursuant to any law, contract, or agreement for the purpose of providing or paying for such service; and
3. All employers working under the Contract are either employers that will comply with ORS 656.017 or employers that are exempt under ORS 656.126. The Contractor shall ensure that each of its Subcontractors complies with these requirements.

10.) No Contractor, Subcontractor or any firm, corporation, partnership or association in which the Contractor or Subcontractor has a financial interest who appears on the *List of Contractors Ineligible to Receive Public Works Contracts*, as established by the Bureau of Labor and Industries, will perform work under this Contract, as specified in ORS 279C.860.

11.) No Contractor, Subcontractor or any firm, corporation, partnership or association in which the Contractor or Subcontractor has a financial interest who appears on the Construction Contractor's Board *Not Qualified to Hold Public Contracts* list, will perform work under this Contract, as specified in ORS 701.227(4).

12.) The Contractor performing work on this project shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.560 as applicable in place at the time the quote is presented.

13.) Prior to performing any work under the Contract all Subcontractors shall have a current, valid certificate of licensure issued by the Construction Contractor's Board in accordance with ORS 701 and, if performing work described in ORS 671.520, a current, valid certificate of licensure from the State Landscape Contractor's Board in accordance with ORS 671.520 as applicable.

14.) In compliance with ORS 279C.836, the Contractor shall confirm that all Subcontractors have a valid public works bond on file with the Construction Contractors Board prior to allowing them to perform any work under the Contract.

15.) If the Contract specifies that the project includes Asbestos Abatement, the Contractor and all Subcontractors performing work on the project shall be licensed in accordance with ORS 467A.720 prior to performing any work on the project. Certification of compliance shall be presented to the City upon request.

16.) The Contractor shall function as an independent contractor for the purposes of this Contract and shall not be considered an employee of the City of Springfield for any purpose. The Contractor shall assume sole responsibility for any debts or liabilities that may be incurred by the Contractor in fulfilling the terms of this Contract and shall be solely responsible for the payment of all federal, state, and local taxes which may accrue because of this Contract.

17.) The Contractor and all Subcontractors shall comply with all applicable provisions of the Americans With Disabilities Act of 1990, 42 USC Section 12101 et seq. and Section 504 of the Rehabilitation Act of 1973.

Bid Addenda

All Addenda issued are considered to be part of the specifications of the Invitation to Bid and, as such, are as incorporated into the Contract as specified in Section 104.02 of the Standard Construction Specifications.

By signing below, I acknowledge the receipt of the following Addenda documents and certify that the specifications contained in each have been considered and incorporated into the Bid as presented. All Addenda must be included with the Bid submitted.

Addenda Number	Addenda Date

Declarations

As required by ORS 305.385(6), under penalty of perjury, by signing below the Contractor represents that, to the best of their knowledge, neither they nor any applicable Subcontractors performing work under the Contract are in violation of any tax laws as described in ORS 305.380(4) and have complied with the tax laws of this state or a political subdivision thereof including, but not limited to, ORS 305.620 and ORS Chapters 316, 317 and 318. The Contractor shall also covenant to continue to comply with the tax laws of this state or a political subdivision thereof during the term of the Contract and that Contractor's failure to comply with such laws prior to execution of the Contract or during the term thereof is a default for which the City may terminate the Contract and seek damages and other relief available under the terms of the Contract or under applicable law.

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

I have read, fully understand, and agree that as Bidder I, and all Subcontractors, will comply with all of the terms and conditions of the contract for which this Bid is presented. By signing below I attest that I am an officer or a duly authorized representative of the business listed below and that I possess the legal authority to submit this Bid for consideration.

If the Bid is submitted by a joint venture and is in the name of the joint venture, by signing below I certify that all parties have examined this Bid, including all requirements and the Contract terms and conditions and, if successful, the joint venture shall execute a Contract which incorporates the stated requirements, terms and conditions.

Bidder's Signature _____

Bidder's Name *(Please Print)* _____

Title _____

Business Name _____

Business Address _____

City _____ State _____ Zip _____

Phone Number _____ Cell Phone _____

Date _____ E-mail Address _____

CITY OF SPRINGFIELD

INSTRUCTION TO BIDDERS

Local Funding Sources

1. Contracting Law

The Bidder is presumed to be familiar with all federal, state, and local laws, ordinances and regulations, orders and decrees which affect those engaged or employed in the work, materials, or equipment used in the proposed construction or which may affect the conduct of the work. If the Bidder or Contractor shall discover any provision in the Contract Documents which is contrary to or inconsistent with any law, ordinance, or regulation, he/she shall immediately report it to the Owner in writing.

The Contractor, Subcontractor, suppliers of materials or services, and others engaged by the contractors, shall comply at all times with and observe all such laws, ordinances, regulations, orders, and decrees; and shall hold harmless and indemnify the City of Springfield and its representatives against any claim or liability arising from or based on the violation of any such law, ordinance, regulation, order, or decree.

2. Prequalification

There is no prequalification application to this Contract. Bidders unfamiliar to the City and who are not currently pre-qualified with ODOT or the City, may be required to prove to the City that they have the adequate resources, experience and equipment to complete the work. In this regard, please thoroughly review and comply with the requirements of Section 5.5 References.

3. Contract Documents

3.1 Plans and Specifications

Plans, Specifications, and any additional information relative to this project which are on file in the City Engineer's Office shall be made available there for inspection by prospective Bidders.

3.2 Examination of Contract Documents and Site of Work

Bidders shall determine for themselves all the conditions and circumstances affecting the projected cost of the proposed work by personal examination of the site, Contract Documents, and by such other means. It is understood and agreed that the City has obtained information regarding underground or other conditions or obstructions depicted in the Contract Documents from data at hand. There is no expressed or implied agreement that such conditions are fully or correctly shown, and the Bidder must take into consideration the possibility that conditions affecting the cost or quantity of work may differ from those indicated.

3.3 Interpretation of Contract Documents

If it should appear to a Bidder that the work to be done is not sufficiently described or explained in the Contract Documents, or that Contract Documents are not definite and clear, the Bidder shall make written inquiry regarding same to the individual shown, in the manner instructed and within the timeframe indicated in the Invitation to Bid advertisement. Questions received will be evaluated and if, in the judgment of the City, the response does not alter or amend the requirements or scope of the Invitation to Bid, but merely clarifies existing information, the response will be entered on the Clarifications Log and posted to the project webpage as shown in the Invitation to Bid. If, in the judgment of the City, additional information or interpretation is necessary, such information shall be supplied in the form of an addendum to all individuals, firms, and corporations listed on the Plan Holders List and those individuals that attended

the Pre-Bid Meeting and provided an accurate e-mail address on the sign-in sheet. Such addenda shall have the same binding effect as though contained in the main body of the Contract Documents. The City is not responsible for any explanation, clarification, interpretation, or approval made or given in any manner except by written addenda issued by City.

3.4 Addenda to Contract Documents

Any addenda issued by the City, which may include changes, corrections, additions, interpretations, or information issued 72 hours or more before the scheduled closing time for filing the Bids shall be binding upon the Bidder. Addenda will be posted to the City's website at Invitations to Bid - City of Springfield Oregon (springfield-or.gov); click under the project the addenda pertains to. The Contractor should check the website frequently for new postings during the open bid period. The City shall make a reasonable effort to notify all individuals, firms, and corporations listed on the Plan Holders List and those individuals that attended the Pre-Bid Meeting and provided an accurate e-mail address on the sign-in sheet when addenda are issued. Failure of the Contractor to receive or obtain such addenda shall not excuse them from compliance.

4. Estimate of Listed Quantities

The estimate of quantities of work to be done under unit price bids is approximate and is given only as the basis of calculation for comparison of Bids and award of the Contract. The Owner does not agree that the actual amount of work will correspond precisely to the amount as shown or estimated. Payment will be made at unit prices under a Contract only for work actually performed or materials actually furnished according to actual measurements.

The Owner reserves the right to increase or decrease the amount of any class or portion of the work. No such change in the work shall be considered as a waiver of any condition of the Contract, nor shall such change invalidate any of the provisions thereof.

5. Bid

5.1 Bid Submittal and Forms

The complete set of bid documents for this project consists of two sections, the Invitation to Bid Documents and the Project Plan Set.

For the City of Springfield to consider your bid responsive, you must include all documents listed in the Instruction to Bidders, in numerical order according to the Table of Contents.

The forms that must be included with all bid submittals, include:

1. Bid Submittal, Terms and Declarations
2. First- Tier Sub-contractor disclosure form
3. Financial Responsibility Form
4. Minority, Woman and Emerging Small Business/Disadvantaged Business Enterprise Form (MWESB)
5. Certificate of non-discrimination regarding ORS 279A.110
6. Certificate of non-collusion
7. Certificate of residency
8. Certificate of compliance with Oregon tax laws
9. Bid Bond

The Project Plan Set is not required to be submitted as part of your bid.

Additionally, any addendums or revisions must be acknowledged and submitted with your Bid.

The Bid Submittal, Bid Bond, Certified Check, or Cashier's Check shall be enclosed in a sealed and labeled

envelope. The outside of the envelope shall plainly identify: The project name and project number and (2) The Bid opening date. All Bids must be clearly and distinctly typed or written with ink or indelible pencil. Unless otherwise specified, Bidders shall bid on all Bid items, and must include in their Bid prices the entire cost of each item of work set forth in the Bid.

Any statement accompanying and tending to qualify a Bid may cause rejection of such Bid, unless such statement is required in a Bid embracing alternate Bids. If, in the opinion of the City, the items or prices in any Bid appear unbalanced, incomplete, or fail to comply with all the terms required, the Bid may be rejected.

Sealed Bids shall be labeled clearly, addressed to Amanda Clinton, Contracts Analyst, and received at City of Springfield, City Hall, Development and Public Works, "Southeast Quad", 225 Fifth St. Springfield, Oregon, 97477 at, or before, the time and date noted on the Invitation to Bidders, after which time the Bids will be publicly opened and read aloud.

All Bids shall be on the form furnished by the City, and in addition to necessary unit price items and total prices in the column of totals to make a complete Bid, all applicable blanks giving general information must be filled in and the Bids signed by an officer or duly authorized representative of the Bidder. The only exceptions to this requirement are the Performance Bond, Payment Bond and the Contract documents which are provided here as a reference. However, if you are awarded the Bid, you will be required to submit fully executed copies of these documents upon request.

5.2 First Tier Subcontractor Statement

Bidders are required to disclose information about certain first-tier subcontractors when the contract value for a Public Improvement is greater than $100,000 (see ORS 279C.370). If the total Bid price for the contract exceeds $100,000, the Bidder shall submit on the form provided (within two working hours of the date and time of when the bids are due), a list of all first-tier subcontractors (those entities that would be contracting directly with the prime Contractor) which will be furnishing labor or material on the Contract whose subcontract value would be equal to or greater than 5 percent of the total Bid price, but at least $15,000. Also, any Subcontractor with a subcontract value greater than $350,000, regardless of the percentage of the total Bid price, must be listed. The following information must be listed: a) The Subcontractor's name and address, b) The Subcontractor's Construction Contractor Board registration number, if one is required, and c) The subcontract dollar value. If no subcontractors are being used that are subject to the above disclosure requirements, the Bidder is required to indicate "None" on the accompanying form. The form may be submitted with the Bid or may be submitted separately in a separate envelope from the Bid within two hours after the bid opening. The envelope containing the form should be marked "Subcontractor Disclosure Form Submitted for Project PXXXXX" and should also be marked with the name of the Bidder.

5.3 Non-Discrimination

Pursuant to ORS 279A.110, that the bidder has not discriminated and will not discriminate against a disadvantaged business enterprise, a minority-owned business, a woman-owned business, a business that a service-disabled veteran owns, or an emerging small business in obtaining any required subcontracts. The bidder understands that it may be disqualified from bidding on this public improvement project if the Agency finds that the bidder has violated subsection (1) of ORS 279A.110. The Bidder certifies that it has a written policy and practice that meets the requirements described in ORS 279A.112 (House Bill 3060, 2017) of preventing sexual harassment, sexual assault and discrimination against employees who are members of a protected class.

5.4 Non-Collusion

The price(s) and amount of this bid have been arrived at independently and without consultation, communication, or agreement with any other contractor, bidder, or potential bidder except as disclosed on

a separately attached statement. Neither the price(s) nor the amount of this bid, and neither the approximate price(s) nor approximate amount of this bid has been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before the opening of bids. No attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid. This bid is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid. The bidder, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four years been convicted of or found liable for any act, prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract except as described on a separately attached statement. The bidder understands and acknowledges that the above representations are material and important and will be relied on by the Agency, in awarding the contract(s) for which this bid is submitted. The bidder understands that any misstatement in this certification is and shall be treated as fraudulent concealment from the Agency, of the true facts relating to the submission of bids for this contract.

5.5 Compliance With Oregon Tax Laws:

By signature on this bid, the undersigned hereby certifies under penalty of perjury that the undersigned is authorized to act on behalf of bidder, that the undersigned has authority and knowledge regarding bidder's payment of taxes, and that bidder is, to the best of the undersigned's knowledge, not in violation of any Oregon Tax Laws. For purposes of this
certification, "Oregon Tax Laws" means a state tax imposed by ORS 320.005 to 320.150 (Amusement Device Taxes), ORS 403.200 to 403.250 (Tax For Emergency Communications), and ORS Chapters 118 (Inheritance Tax), 314 (Income Tax), 316 (Personal Income Tax), 317 (Corporation Excise Tax), 318 (Corporation Income Tax), 321 (Timber And Forestland Tax), and 323 (Cigarettes And Tobacco Products Tax), and any local taxes administered by the Department of Revenue under ORS 305.620.

5.6 Withdrawal, Modification, or Alteration of Bid

A Bid may be withdrawn on written or telegraphic request of the Bidder prior to the scheduled closing time for filing Bids. No Bidder may withdraw its Bid or any portion thereof after the time set for the opening of Bids until a Contract has been awarded and executed or until sixty (60) days have elapsed since the Bid opening. Negligence on the part of the Bidder in preparing its Bid confers no right to withdraw its Bid after the scheduled closing time for filing Bids.

Prior to the scheduled closing time for filing Bids, changes may be made provided the changes are initialed by the Bidder or its Agent. If the intent of the Bidder is not clearly identifiable, the interpretation most advantageous to the City will prevail.

5.7 Late Bids

Bids received after the scheduled closing time for filing Bids as set forth in the Invitation to Bidders will be rejected and returned unopened to the Bidder unless such closing time is extended by the City.

5.8 References

In order to comply with the requirements of ORS279C.375 regarding the determination of bidder responsibility, completion of the *Financial Responsibility Form* included in the Invitation to Bid documents must be completed in full. The City will use the information provided to ascertain the financial responsibility of the bidder as it pertains to the specific criteria to be considered prior to award of a public works contract.

The City reserves the right to investigate the references, financial capacity, credit history and past

performance of any Bidder, including service(s) provided to City of Springfield, with respect to their successful performance on other projects; compliance with specifications and contractual obligations; expertise regarding the completion and submission of Certified Payroll Reports; completion or delivery of a project on schedule and within budget; and its lawful payment of suppliers, subcontractors and workers. The City reserves the right to use any information or reference that may be discovered in evaluating any bid. The City reserves the right to find a bid to be nonresponsive for failure or refusal of bidder to provide all information in a timely manner, as requested. The city may postpone issuance of a Notice of Intent to Award in order to complete its investigation. The City reserves the right to reject any bid at any time prior to the City's execution of a Contract in the event reference checks prove unsatisfactory. The City's investigation may include Bidder's previous business entities of the principals involved. If more than one Bidder is involved the City may investigate each entity. In the event that the city requests information from the Bidder the completeness of the information submitted, its veracity and the extent to which it has been independently verified will impact the City's decision.

5.9 Bid Ownership

All material submitted by the Contractor shall be considered the property of the City, and as such, shall not be returned to the Contractor after the deadline for submission of the Bid in question has passed. After opening, all bids will become part of the public record unless exempt under Oregon Public Records Law, see ORS 192.501, ORS 192.502 and ORS 279C.340.

5.10 Rejection of Bids

The City reserves the right to reject any or all Bids in whole, or in part, or to waive irregularities not affecting substantial rights.

General or evasive replies will be considered grounds for rejection of the Bid as incomplete. The successful Bidder may be required to appear before the City Council and submit satisfactory evidence that he or she has the necessary capital and is qualified and prepared to prosecute the work to the full satisfaction of the Engineer.

The City also reserves the right to reject any Bid which is 10 percent greater or 20 percent less than the Engineer's estimate or any Bid which contains item bids which vary more than 30 percent plus or minus from the Engineer's item bid estimate.

6. Payments by Contractor

6.1 Wages

It is agreed that if this project qualifies under Oregon law as a prevailing wage rate public works project, each worker in each trade or occupation employed in the performance of this Contract either by the Contractor, Subcontractor or other person doing or contracting to do or contracting for the whole or any part of the work on the Contract, must be paid not less than the applicable prevailing wage rate. If this project contains both federal and state funds, the hourly wages shall be not less than the higher of the state or the federal amount of the prevailing rate of wage. Prevailing wage rate payments include fringe benefits, for each trade or occupation in the locality where such labor or work is performed, as determined by the commissioner, in which the workers are employed. The existing rate of wage is the rate, in effect at the time the initial specifications were first advertised for bid solicitations as determined by the Commissioner of the Bureau of Labor and Industries under ORS279C.815.

If any dispute arises as to what is the prevailing rate of wage for the same trade or occupation in the locality and if that dispute cannot be settled by the parties involved, the dispute may be referred to the Commissioner of the Bureau of Labor and Industries, who shall then determine the prevailing rate of wage for the same trade or occupation in the locality.

It shall be the responsibility of the Contractor and any Subcontractor to post the prevailing wage rates on

the job site in a conspicuous place which is accessible to employees and must remain posted for the duration of the job.

6.2 Certification

No Bid will be received or considered by the City unless the Bid contains a statement by the Bidder as part of the Bid that the Bidder shall comply with provisions regarding prevailing rates of wages required by ORS 279C.840.

CITY OF SPRINGFIELD CONTRACT

State and Local Funding Sources

Project No. **P21166**

Project Title: **S. 28th Street Sanitary Sewer Extension**

Description: The proposed work generally consists of furnishing all labor, equipment, materials, and supervision for sanitary sewer construction of approximately 1363 lineal feet of 12-inch diameter PVC pipe, along with associated manholes and service laterals

THIS CONTRACT, made and entered into this _____ day of _____, 20___, between the City of Springfield, under and by virtue of the Charter, Laws, and Ordinances of the said City of Springfield, and the laws of the State of Oregon, and _____ hereinafter called the Contractor.

WITNESSETH:

That in consideration of the payments, covenants, and contracts hereinafter mentioned, attached and made a part of this Contract, to be made and performed by the parties hereto, the parties hereto covenant and agree as follows:

1. GENERAL REQUIREMENTS

This Contract, signed by both parties, supersedes all prior and contemporaneous oral or written communications between the parties, their agents, and representatives. This Contract, as signed by both parties, shall be composed of each and every one of the following listed parts and all approved revisions thereto; and shall be interpreted so as to give the effect to the purpose of the Contract. In the event of a conflict or ambiguity, the precedence provision of Section 104.03 shall apply.

1. Change Orders
2. Addenda to the Special Provisions
3. Special Provisions
4. Addenda to General Conditions and Standard Specifications
5. General Conditions and Specifications
6. Contract Plans
7. Standard Drawings
8. Instruction to Bidders
9. Bid Proposal

The Contractor shall furnish all materials, tools, equipment, labor, and do all work necessary and incidental to completing this Contract, in accordance with the requirements of the documents pertinent thereto, including those listed in Section 104.02 of the Standard Specifications in their entirety, which are also set forth hereinabove.

The Contractor shall so complete this Contract and present same to the City on or before the time specified in the Bid Proposal. The total probable estimated cost of the Contract as stated on the Bid is _____. ($_____).
It is agreed that the actual final total cost per item and total Contract may vary in accordance with the

SAMPLE

provisions of the Bid, Section 102.10 of the Standard Specifications, and Article 4 of the Instructions to Bidders.

2. CONTRACT COMPLETION

The City of Springfield hereby promises and agrees, with the Contractor, to contract with and does hereby contract with the Contractor to complete this Contract in accordance with the above requirements, including any change orders, provided that a reasonable and equitable change order can be agreed upon between the Contractor and the City. In event of failure to so agree on any required change order, the City may then proceed with such work in any manner the City may elect. Such a situation and action by the City shall in no way relieve either the Contractor or the City of their respective obligations and responsibilities regarding all other requirements of this Contract.

3. FULL PERFORMANCE BY CONTRACTOR

The Contractor, for itself, and for its heirs, executors, administrators, successors, and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.

4. NO LIABILITY TO CITY

It is further provided that no liability shall attach to the City by reason of entering into this Contract, except as expressly provided herein.

5. CITY BONDING

The Contractor shall file with the City of Springfield at the time of execution of this Contract both a Performance Bond and Payment Bond issued by a surety company registered to issue bonds in the State of Oregon and utilizing bond forms acceptable to the City. The City will accept A.I.A. Document A312-2010 Performance and Payment Bonds (sample forms enclosed). The Bonds may not be altered.

The bonds shall be in the amounts of one hundred percent (100%) of this Contract. All bonding shall remain in force for one (1) year after the date of City Council acceptance of the work, to cover all guarantees against defective workmanship and materials and execution of and in accordance with this Contract, and to guarantee payment to all persons supplying labor and materials for the construction of the work. Failure to maintain the proper bonding shall be grounds for immediate termination of the Contract.

6. HOLD HARMLESS AND INDEMNIFICATION

The Contractor shall defend, indemnify and hold harmless the City from and against all liability or loss and against all claims or actions based upon or arising out of damage or injury to persons or property caused by or sustained in connection with the performance of this Contract by the Contractor except, pursuant to ORS 30.140, for losses, claims, or actions resulting from the sole negligence of the City.

The Contractor shall assume all responsibilities for the work and bear all losses and damages directly or indirectly resulting to the Contractor, the City, or others on account of the character or performance of the work, unforeseen difficulties, accidents, or any other causes whatsoever. The Contractor shall assume defense of, indemnify and save harmless the City, its officials, agents, and employees from all claims, liability, loss, damage, and injury of every kind, nature and description, directly or indirectly resulting from activities in the performance of the Contract, the ownership, maintenance or use of motor vehicles in connection therewith, or the acts, omissions, operations, or conduct of the Contractor or any Subcontractor under the Contract or any way arising out of the Contract, irrespective of whether an act, omission or conduct of the City connected with the Contract is a condition or contributory cause of the claim, liability loss, damage or injury and irrespective of whether act, omission, or conduct of the Contractor or Subcontractor is merely a condition rather than a cause of a claim, liability, loss damage or injury. The

SAMPLE

Contractor shall not be liable for, nor be required to defend or indemnify, the City relative to claims for damage or damages resulting solely from acts or omissions of the City, its officials, agents, or employees. The absence of or inadequacy of the liability insurance required in section 7 shall not negate the Contractor's obligations in this paragraph.

7. INSURANCE

All insurance shall carry a rating of A- or better with A. M. Best and must be approved by the City as to terms, conditions and form prior to beginning work. Certificates of insurance evidencing all policies and endorsements required by this Contract shall be delivered to the Owner prior to the commencement of any work. The Owner has the right to reject any certificate or endorsement for unacceptable coverage and/or companies.

A. Liability and Property Damage

The Contractor shall maintain in force for the duration of the Contract, to include the warranty period, a Commercial General Liability insurance policy written on an occurrence basis with limits not less than $2,000,000 per occurrence and $3,000,000 in the aggregate. The policy will be endorsed with Additional Insured, Per Project Aggregate, Products and Completed Operations and Primary and Noncontributory endorsements. The City, its employees, officials and agents will be named as Additional Insured's where operations are being conducted related to this Contract on the Commercial General policy as respects to work or services performed under this Contract to the extent that the death or bodily injury to persons or damage to property arises out of the fault of the Contractor or the fault of the Contractor's agents, representatives or Subcontractors. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such." The City's Additional Insured status for Products and Completed Operations hazards shall extend for at least one year beyond formal Council acceptance of the project. This insurance shall be primary and shall be paid and applied first in its entirety prior to any application of insurance the CITY may carry on its own. A 30-day notice of cancellation or material change in coverage clause shall be included.

The Contractor shall maintain in force for the duration of the Contract, to include the warranty period, an Automobile Liability insurance policy (owned, non-owned, and hired) with limits not less than $1,000,000 per occurrence. The policy will be endorsed with Additional Insured and Primary and Noncontributory endorsements. The City, its employees, officials and agents will be named as Additional Insured's where operations are being conducted related to this Contract on the Automobile Liability policy as respects to work or services performed under this Contract to the extent that the death or bodily injury to persons or damage to property arises out of the fault of the Contractor or the fault of the Contractor's agents, representatives or Subcontractors. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such." This insurance shall be primary and shall be paid and applied first in its entirety prior to any application of insurance the CITY may carry on its own. A 30-day notice of cancellation or material change in coverage clause shall be included.

B. Workers' Compensation

The Contractor shall provide and maintain Workers' Compensation coverage with limits no less than $500,000 for it employees, officers, agents, or partners, as required by applicable Workers' Compensation laws. If the Contractor is exempt from this coverage a written statement, signed by the Contractor, explaining the reason for the exemption will be provided to the City prior to commencement of any work.

SAMPLE

C. Course of Construction and/or Installation Floater

The Contractor shall maintain in full force for the duration of this Contract an All-Risk insurance policy approved by the City as to terms, conditions and form covering the replacement cost of the work during the course of construction. The policy shall include the interests of the City and Architect/Engineer, as applicable, and the first two layers of Subcontractors. The amount of insurance shall equal the completed
value of the Contract. The City, at its option, may elect to supply this coverage.

D. Asbestos Abatement (only applicable to Asbestos Specific Contracts)

If applicable to this Contract, the Contractor shall maintain in full force a Commercial General Liability policy approved by the City as to terms, conditions and form that is Asbestos Specific with a minimum limit of $2,000,000 per occurrence and $3,000,000 in the aggregate written on a form that meets the following criteria:

a. A full occurrence form, or
b. A limited occurrence form with at least a three-year (3) tail, or
c. A claim made form with a three-year (3) tail.

E. Pollution Liability Coverage (only applicable to Pollution Specific Contracts)

If applicable to this Contract, the Contractor shall maintain in full force a Commercial General Liability policy approved by the City as to terms, conditions and form that is Pollution Specific with a minimum limit of $2,000,000 per occurrence and $3,000,000 in the aggregate written on a form that meets the following criteria:

a. A full occurrence form, or
b. A limited occurrence form with at least a three-year (3) tail, or
c. A claim made form with a three-year (3) tail.

F. Professional Liability Coverage (only applicable to Contract if specified)

If Professional Liability insurance is required, the City must approve the terms, conditions and limits prior to commencement of any work.

G. Additional Policies and Special Coverages

Refer to the Special Provisions section of this Contract for additional coverages that may be required.

H. Railroad Protective Liability Coverage

If work being performed under this Contract is near railroad tracks or a railroad right of way and the Railroad requires special insurance (for example: Railroad Protective Liability Coverage) Contractor will be responsible for meeting the Railroad insurance requirements before any work commences. Any insurance required to be purchased by the Railroad is in addition to the insurance required by the City.

I. Subcontractors

The Contractor shall require all Subcontractors to provide and maintain General Liability, Auto Liability and Workers' Compensation insurance and, as applicable, Professional, Asbestos and Pollution Liability with coverage's equivalent to those required of the General Contractor in this Contract. The Contractor shall require certificates of insurance from all Subcontractors as evidence of coverage. Upon request, the

SAMPLE

Contractor shall provide certificates of insurance for all Subcontractors performing work on the project to the City.

J. Additional Insured Endorsement

All certificates of insurance, with the exception of Professional Liability and Railroad Protective Liability, must include an endorsement which lists the City of Springfield as a named additional insured. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such."

K. Evidence of Coverage and Notice of Cancellation or Material Change in Coverage

Evidence of the required coverages issued by a company satisfactory of the City shall be provided to the City by way of a certificate of insurance before any work or services commence. A 30-day notice of cancellation or material change in coverage clause shall be included.

If the approved insurance company will not provide this 30-day notice, it shall be the responsibility of the Contractor to provide written notice to the City within two (2) days of the Contractor becoming aware that their coverage has been cancelled or materially changed. The Contractor shall e-mail notification directly to Nathan Bell, Finance Director at nbell@springfield-or.gov with a copy to Amanda Clinton, Contracts Analyst at aclinton@springfield-or.gov. Regardless of the circumstances causing the Contractor's insurance coverage to cease or be modified, it is the Contractor's responsibility to notify the City as described above.

Failure to maintain the proper insurance or provide notice of cancellation or material change shall, at the City's option, be grounds for immediate termination of this Contract. _____
(Contractor initials)

L. Equipment and Material

The Contractor shall be responsible for any loss, damage, or destruction of its own property, equipment, and materials used in conjunction with the work.

8. INDIAN GRAVES AND PROTECTED OBJECTS

The Contractor warrants that it will observe all applicable requirements of ORS 97.740 et. seq. regarding Indian Graves and Protected Objects (ORS 358.905-.961 and ORS 390.235-.240).

In the event the Contractor or any of its Subcontractors or agents discover, become aware of, or find any Native Indian Artifacts, sites, human remains, or funerary objects on the real property on which the Contractor is fulfilling this Contract, the Contractor will immediately safeguard the artifacts and site, halt construction activities at the area of the find, and immediately notify City. Such artifacts may include but not be limited to charred and cracked rocks or charcoal layers of soil indicating a hearth or oven, stone chips of obsidian and other colored rocks, stone bowls, arrow and spear points, stone tools, and bone fragments. All artifacts found shall be turned over to the City for appropriate disposition in accordance with applicable law. Upon receipt of notification the City will retain a consultant archeologist to conduct an initial assessment of significance of the find. The Contractor and City will work together to comply with all applicable requirements of ORS 97.740 et. seq. in a manner which has least impact upon the construction schedule. If compliance requires some adjustment of the construction schedule, the Contractor and the City shall make reasonable adjustments.

SAMPLE

9. TIME IS OF THE ESSENCE

Time is of the essence in the Contractor's performance of the Contract. Delays in the Contractor's performance of the work may inconvenience the public, interfere with business and commerce, and increase cost to the City. It is essential and in the public interest that the Contractor prosecute the work vigorously to Contract completion. The City does not waive any rights under the Contract by permitting the Contractor to continue to perform the Contract, or any part of it, after the Contract Time of Completion of October 14th, 2022, or as adjusted by Contract Change Order, has expired.

A. Liquidated Damages

The City of Springfield and the Contractor agree that; (a) time is of the essence; (b) the amounts so fixed are reasonable forecasts of just compensation for the harm that is caused by the breach; (c) the harm that is caused by the breach is one that is incapable of or very difficult of accurate estimation; and, (d) the amount so fixed is not fixed as a penalty to coerce performance of the Contract but is rather intended to be a genuine pre-estimation of injury to the City of Springfield in lieu of performance within the Contract time by the Contractor or the Contractor's failure to report sewage spills. Therefore, it is agreed as follows:

1. Delay

It is agreed by the City of Springfield and by the Contractor that the need exists for a damage provision in the event the Contractor fails to complete the work within the Contract time specified, or any extension thereof, by the City of Springfield. The City of Springfield and the Contractor further agree that the Contractor shall be liable to the City of Springfield for fixed, agreed and liquidated damages for each and every calendar day of delay in the amount of $500.00 per day in accordance with Subsection 108.07 of the Standard Construction Specifications.

2. Failure to Report Sewage Spills

The Contractor also agrees to liquidated damages in the amount of $500.00 per incident for failure to report sewage spills plus an amount sufficient to reimburse the City for any civil and administrative penalties paid by the City as a result of the Contractor's failure to report. Failure to report sewage spills may subject the City to (1) civil penalties of up to $32,500.00 per day of violation pursuant to Section 309(d) of the Clean Water Act, 33 U.S.C. § 1319(d); (2) administrative penalties of up to $11,000.00 per day for each violation, pursuant to Section 309(g) of the Clean Water Act, 33 U.S.C. § 1319(g); or (3) civil action in federal court for injunctive relief pursuant to Section 309(b) of the Clean Water Act, 33 U.S.C. § 1319(b).

10 . PREVAILING WAGE RATE PROVISIONS

Oregon law requires that if prevailing wage rate law applies a public agency must pay the prevailing wage rate for all contracts over $50,000. For contracts over $50,000, Contractor will comply with the applicable requirements of O.R.S. 279C.800 through 279C.870 including the provisions in this Section 10.

A. Notice

In the event that total cost of the Contract as specified in Section 1 "General Requirements" does not initially exceed $50,000 but during the scope of work increases through amendments, change orders, additions, supplements, other contracts, or through any other reason or process, formal or informal, planned or unplanned, to an amount greater than $50,000 then the entire Contract is covered under the requirements of the prevailing wage rate law as described below.

B. Prevailing Wage Rate

Each worker in each trade or occupation employed in the performance of this Contract either by the Contractor, Subcontractor or other person doing or contracting to do or contracting for the whole or any part of the work on the Contract, must be paid not less than the applicable prevailing wage rate.

SAMPLE

Prevailing wage rate payments include fringe benefits, for each trade or occupation in the locality where such labor or work is performed, as determined by the commissioner, in which the workers are employed. The existing rate of wage is the rate, in effect at the time the initial specifications were first advertised for bid solicitations as determined by the Commissioner of the Bureau of Labor and Industries under ORS279C.815. Information regarding the Prevailing Wage Rate that is applicable to this Contract is contained in the document titled "Prevailing Wage Information" which is included within the Invitation to Bid documents and is incorporated herein by reference.

C. Submission of Certified Payrolls

As specified in O.R.S. 279C.845, the Contractor or the Contractor's surety and every Subcontractor or the Subcontractor's surety shall file certified statements with the public agency in writing, on a form prescribed by the Commissioner of the Bureau of Labor and Industries, certifying the hourly rate of wage paid each worker whom the Contractor or the Subcontractor has employed upon the public works, and further certifying that no worker employed upon the public works has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the Contract. The certificate and certified statement shall be verified by the oath of the Contractor or the Contractor's surety or Subcontractor or the Subcontractor's surety that the Contractor or Subcontractor has read the certified statement and certificate and knows the contents thereof and that the same is true to the Contractor or Subcontractor's knowledge. Certified statements (also referred to as certified payroll reports) shall be submitted to the City no later than the 5th business day of the following month for which the certified statement and certificate are being presented, regardless of whether any actual work is performed on the project or not. This information must be submitted to the City and also retained by the Contractor and Subcontractor(s) for three years.

Contracting agencies and general contractors are required to withhold 25% of amounts to Contractors if certified payrolls are not filed by the Contractor as required for work performed on projects subject to the prevailing wage rate law. Failure of Contractors to comply with the certified payroll filing requirements of the law, therefore, will result in a negative fiscal impact to those Contractors of up to 25% of their amount owed.

Each worker employed in the performance of this Contract, either by the Contractor or Subcontractor or other person doing or contracting to do or contracting for the whole or any part of the work of the Contract, must be paid not less than the specified minimum hourly rate of wage in accordance with O.R.S. 279C.838 and 279C.840.

11. BONDING TO BE FILED WITH THE CONSTRUCTION CONTRACTORS BOARD

As specified in O.R.S. 279C.836, the Contractor shall file a public works bond with a corporate surety in the amount of $30,000.00 with the Construction Contractors Board before starting work on a Contract for a public works project subject to the provisions of the Prevailing Wage Rate Law (O.R.S. 279C.800 to 279C.870) with a total Contract price greater than $100,000. In addition, as specified in O.R.S. 279C.830, the Contractor shall include a provision in any and all subcontracts requiring all Subcontractors have a valid bond filed with the Construction Contractor's Board before starting work on a project, as applicable, unless exempt.

Exemptions from the bond requirement may be granted under specific circumstances as outlined in O.R.S. 279C.836(7) for certified disadvantaged, minority, women or emerging small business enterprises. The Contractor shall contact BOLI regarding qualifications for such exemptions.

If qualified, the enterprise must provide the Construction Contractor's Board with written notification of its certification. In addition, the enterprise must notify the City that a public works bond has not been filed and provide proof of qualification prior to commencing work.

SAMPLE

By signing this Contract, the Contractor certifies that the Contractor, and any Subcontractor who will perform work under this Contract, will file a public works bond with the Construction Contractors Board as required prior to beginning work on the project.

12. INELIGIBLE CONTRACTORS LIST

No Contractor, Subcontractor or any firm, corporation, partnership, or association in which the Contractor or Subcontractor has a financial interest who appears on the List of Contractors Ineligible to Receive Public Works Contracts, as established by the Bureau of Labor and Industries, will perform work under this Contract, as specified in O.R.S. 279C.860.

No Contractor, Subcontractor or any firm, corporation, partnership, or association in which the Contractor or Subcontractor has a financial interest who appears on the Construction Contractor's Board Not Qualified to Hold Public Contracts list, will perform work under this Contract, as specified in ORS 701.227(4).

13. COMPLIANCE WITH ALL GOVERNMENT REGULATIONS/TERMINATION FOR FAILURE TO COMPLY

The Contractor shall comply with all Federal, State and local laws, codes, regulations and ordinances applicable to the work performed under this Contract. Failure to comply with such requirements shall constitute a breach of Contract and shall be grounds for termination of this Contract. Damages or costs resulting from noncompliance shall be the sole responsibility of the Contractor. Other grounds for termination are set forth in Sections 108.11 and 108.12 of the Standard Construction Specification of the City of Springfield.

In accordance with O.R.S. 279C.505, the Contractor shall;

a) Make payment promptly, as due, to all persons supplying to the Contractor labor or material for the performance of the work provided for in the Contract.

b) Promptly pay all contributions or amounts due the State Industrial Accident Fund, or private carrier of accident insurance, from such Contractor or Subcontractor incurred in the performance of the Contract. If a private carrier is used, the Contractor shall notify the Engineer as to the carrier's name and address before commencement of work.

c) Not permit any lien or claim to be filed or prosecuted against the state or a county, school district, municipality, municipal corporation, or subdivision thereof, on account of any labor or material furnished.

d) Pay to the Department of Revenue all sums withheld from employees under ORS 316.167.

e) Have an employee drug testing program in place at the time of signing the Contract and will maintain such drug testing program in place over the life of the Contract. Upon request, the Contractor shall furnish a copy of the employee drug testing program to the City.

In accordance with O.R.S. 279C.510, If demolition is involved, the Contractor shall salvage or recycle construction and demolition debris, if feasible and cost-effective as required by O.R.S. 279C.510(1). If lawn or landscaping maintenance is involved, the Contractor shall compost or mulch yard waste in an approved site, if feasible and cost-effective as required by O.R.S. 279C.510(2).

SAMPLE

In accordance with O.R.S. 279C.515, if the Contractor fails, neglects, or refuses to make prompt payment of any claim for labor or services furnished to the Contractor or a Subcontractor by any person, or the assignee of the person, in connection with the Public Works Contract as such claim becomes due, the City of Springfield may pay such claim and charge the amount of the payment against funds due or to become due the Contractor by reason of the Contract. The payment of a claim in this manner shall not relieve the Contractor or the Contractor's surety from obligation with respect to any unpaid claims.

If the Contractor or first-tier Subcontractor fails, neglects or refuses to make payment to a person furnishing labor or materials in connection with the Public Improvement Contract within 30 days after receipt of payment from the contracting agency or a Contractor, the Contractor or first-tier Subcontractor shall owe the person the amount due plus interest charges in the amount of 9 percent per annum commencing at the end of the 10-day period that payment is due under O.R.S. 279C.580(4) and ending upon final payment unless payment is subject to a good faith dispute as defined in O.R.S. 279C.580.

If the Contractor or a Subcontractor fails, neglects, or refuses to make payment to a person furnishing labor or materials in connection with the Public Improvement Contract, the person may file a complaint with the Construction Contractors Board, unless payment is subject to a good faith dispute as defined in O.R.S. 279C.580.

In accordance with O.R.S. 279C.520, no person will be employed by the Contractor or Subcontractor for more than 10 hours in any one day, or 40 hours in any one week except in cases of necessity, emergency, or where the public policy absolutely requires it, and in such cases the person so employed shall be paid at least time and one-half the regular rate of pay for all times worked in excess of eight hours a day or 40 hours in any one week when the work week is five consecutive days, Monday through Friday; or in excess of 10 hours a day or 40 hours in any one week when the work week is four consecutive days, Monday through Friday; and for all work performed on a Saturday, Sunday and on any legal holiday specified in O.R.S. 279C.540.

The Contractor, Subcontractor or other person doing, or contracting to do, or contracting for the whole or any part of the work on the Contract shall give notice to employees working on the Contract project in writing, either at the time of hire or before commencement of work on the Contract, and by posting a notice in a conspicuous location which is accessible to and frequented by employees, of the number of hours per day and days per week that the employee may be required to work. The posting must remain in place for the duration of the job.

In compliance with O.R.S. 279C.525, the Contractor is made aware that the following federal, state, and local agencies have enacted ordinances or regulations relating to the prevention of environmental pollution or the preservation of natural resources which may affect performance of City of Springfield contracts. This is not intended to be a complete listing of agencies. Other agencies may have enacted ordinances or regulations that may apply.

If the Contractor is delayed or must undertake additional work by reason of existing ordinances, rules or regulations of agencies not cited in the Contract or due to the enactment of new or the amendment of existing statutes, ordinances, rules or regulations relating to the prevention of environmental pollution and the preservation of natural resources occurring after the submission of the successful bid, the contracting agency may, at its discretion, terminate the Contract, complete the work itself; use non-agency forces already under Contract with the City, require that the underlying property owner be responsible for cleanup, solicit bids for a new contractor to provide the necessary services or issue the Contractor a change order setting forth the additional work that must be undertaken.

If the Contractor encounters a condition not referred to in the Invitation to Bid documents, not caused by the Contractor or any subcontractor employed on the project and not discoverable by a reasonable pre-bid

SAMPLE

visual site inspection, and the condition requires compliance with the ordinances, rules or regulations referred to under this regulation, the Contractor shall immediately notify the City of the condition.

FEDERAL AGENCIES

Department of Agriculture
Forest Service
Soil Conservation Service
Department of the Army Corps of Engineers
Coast Guard
Department of Health and Human Services
Department of the of Interior
Bureau of Indian Affairs
Bureau of Land Management
Bureau of Outdoor Recreation
Department of Commerce
Fish and Wildlife Service
Office of Surface Mining
Reclamation and Enforcement
Bureau of Reclamation
Department of Labor
Occupational Safety and Health Administration
Mine Safety and Health Admin
Department of Transportation
Federal Highway Administration
Environmental Protection Agency

STATE AGENCIES

Department of Agriculture
Department of Energy
Department of Environmental Quality
Department of Fish and Wildlife
Department of Forestry
Department of Geology and Minerals
Department of Human Resources
Land Conservation and Development Commission
Division of State Lands
State Soil and Water Conservation Commission
Water Resources Department
Oregon Department of Transportation

LOCAL AGENCIES

City of Springfield
Planning Commission, City of Springfield
Springfield Development and Public Works
Metropolitan Wastewater Management Commission
City of Springfield Urban Renewal Districts - Downtown and Glenwood
Springfield Utility Board
Lane County
Planning Commission, Lane County
Willamalane
Lane Regional Air Protection Authority
Lane Council of Governments
Rainbow Water District
Emerald People's Utility District

In accordance with O.R.S. 279C.530, the Contractor will;

Promptly, as due, make payments to any person, co-partnership, association or corporation, furnishing medical, surgical, and hospital care or other needed care and attention, incidental to sickness or injury, to the employees of such Contractor, of all sums which the Contractor agrees to pay for such services and all monies and sums which the Contractor:

a) May or shall have deducted from the wages of his employees for such services pursuant to the terms of Oregon Revised Statutes and any contract entered in pursuant thereto; or

b) Collected or deducted from the wages of his employees pursuant to any law, Contract, or agreement for the purpose of providing or paying for such service; and

SAMPLE

c) Will comply with ORS 656.017 and provide the required Workers' Compensation coverage, unless such employers are exempt under ORS 656.126. Contractor shall ensure that each of its Subcontractors complies with these requirements.

In accordance with O.R.S. 279C.580, each subcontract the Contractor enters into with a first-tier Subcontractor for property or services, including a material supplier, for the purpose of performing this Contract must include the following:

a) A payment clause that obligates the Contractor to pay the first-tier Subcontractor for satisfactory performance under the subcontract within 10 days out of amounts the contracting agency pays to the Contractor under the Public Improvement Contract.

b) A clause that requires the Contractor to provide a first-tier Subcontractor with a standard form that the first-tier Subcontractor may use as an application for payment or as another method by which the Subcontractor may claim a payment due from the Contractor.

c) A clause that requires the Contractor, except as otherwise provided, to use the same form and regular administrative procedures for processing payments during the entire term of the subcontract. A Contractor may change the form or the regular administrative procedures the Contractor uses for processing payments if the Contractor:

   1.) Notifies the Subcontractor in writing at least 45 days before the date on which the Contractor makes the change; and

   2.) Includes with the written notice a copy of the new or changed form or a description of the new or changed procedure.

d) An interest penalty clause that obligates the Contractor, if the Contractor does not pay the first-tier Subcontractor within 30 days after receiving payment from the contracting agency, to pay the first-tier Subcontractor an interest penalty on amounts due in each payment the Contractor does not make in accordance with the payment clause included in the subcontract under paragraph (a) of this subsection. A Contractor or first-tier Subcontractor is not obligated to pay an interest penalty if the only reason that the Contractor or first-tier Subcontractor did not make payment when payment was due is that the Contractor or first-tier Subcontractor did not receive payment from the contracting agency or Contractor when payment was due. The interest penalty:

   1.) Applies to the period that begins on the day after the required payment date and that ends on the date on which the amount due is paid; and

   2.) Is computed at the rate specified in O.R.S. 279C.515 (2).

The Contractor shall require the first-tier Subcontractor to include a payment clause and an interest penalty clause that conforms to the standards of subsection (3) of O.R.S. 279C.580 in each of the first tier Subcontractor's subcontracts and to require each of the first-tier Subcontractor's Subcontractors to include such clauses in the first-tier Subcontractors' subcontracts with each lower-tier Subcontractor or supplier.

14. NONDISCRIMINATION

The Contractor shall comply with all applicable requirements of Federal and State civil rights and rehabilitation statutes, rules and regulations.

SAMPLE

15. RIGHTS IN DATA/OWNERSHIP OF WORK PRODUCT

(a) Work Product - All Work Product created by the Contractor and originated and prepared for the City of Springfield pursuant to this Contract, including derivative works and compilations, and whether such Work Product is considered a "work made for hire," shall be the exclusive property of the City. The ideas, concepts, know-how, or techniques developed during the course of this Contract by the Contractor's personnel can be used by either party in any way it may deem appropriate. Material already in the Contractor's possession, independently developed by the Contractor outside the scope of this Contract, or rightfully obtained by the Contractor from third parties, shall belong to the Contractor irrespective of their similarity to materials which might be delivered to the City of Springfield pursuant to this Contract. The Contractor shall not, however, use any written materials developed under this Contract in developing materials for others, except as provided in this section.

(b) Limited City Indemnity - If the City reuses or modifies the Work Product without the Contractor's involvement or prior written consent, to the extent permitted by Article XI, Section 7, of the Oregon Constitution, and subject to the protections afforded by the Oregon Tort Claims Act, the City shall indemnify the Contractor, within the limits of the Tort Claims Act and any other protections afforded the City, against liability for damage to life or property arising from the City's reuse or modification of the Work Product; provided however, the City shall not be required to indemnify the Contractor for any such liability arising out of or related to defective Plans and Specifications, or Contractor's breach of the Contract, professional negligence, or the negligent or wrongful acts of the Contractor's Subcontractors, employees, or agents in preparing the Plans and Specifications or testing and inspection conducted for the Project.

(c) Contractor Use of Work Product - The Contractor, despite other conditions of this provision, shall have the right to utilize such Work Products on its brochures or other literature that it may disseminate for its sales promotions, and in addition, unless specifically otherwise prohibited elsewhere in the Contract documents, the Contractor may use its standard line drawings, specifications, and calculations on other, unrelated projects.

16. PATENTS, COPYRIGHTS AND TRADEMARKS

Prior to use of designs, devices, materials, or processes protected by patent, copyright, or trademark, the Contractor shall obtain from the Entity entitled to enforce the patent, copyright, or trademark all necessary evidence of legal right. The Contractor shall indemnify, defend, and hold harmless the City from claims of patent, copyright, or trademark infringement, and from costs, expenses, and damages the Contractor or the City may be obligated to pay as a result of such infringement during or after completing the work.

17. ASSIGNMENT

The Contractor shall not assign, sell, transfer, subcontract or sublet rights, or delegate responsibilities under this Contract, in whole or in part, without the prior written approval of the City of Springfield. No such written approval shall relieve the Contractor of any obligations of this Contract, and any transferee or Subcontractor shall be considered the agent of the Contractor. The Contractor shall remain liable as between the original parties to this Contract as if no such assignment had occurred.

18. SUBCONTRACTING

Subcontracts shall provide that work performed under the subcontract shall be conducted and performed according to the terms of this Contract. Whether stated in the Subcontract Agreement itself or not, the Contractor shall remain solely responsible for administration of the subcontract, including, but not limited to the performance of the subcontracted work, progress of the subcontracted work, payment for accepted subcontracted work, and disputes and claims for additional compensation regarding all subcontracted work.

SAMPLE

The City's approval of a Subcontractor will not create a contract between the City and the Subcontractor, shall not convey to the Subcontractor any rights against the City, and shall not relieve the Contractor or the Contractor's Surety of any of their responsibilities under this Contract.

19. DUAL PAYMENT

The Contractor shall not be compensated for work performed under this Contract from any City of Springfield agency other than the agency which is a party to this Contract.

20. ACCESS TO RECORDS

The City of Springfield and its duly authorized representatives shall have access to books, documents, papers and records of the Contractor which are directly pertinent to this Contract for the purpose of making audit, examination, excerpts and transcripts.

21. FORCE MAJEURE

Neither party to this Contract shall be held responsible for delay or default caused by fire, riot, acts of God and/or war which is beyond that party's reasonable control. The City of Springfield may terminate this Contract upon written notice after determining such delay or default will unreasonably prevent successful performance of the Contract.

22. AMENDMENTS

The terms of this Contract shall not be waived, altered, modified, supplemented or amended in any manner whatsoever, without prior written approval of the City of Springfield. No modification of this Contract shall bind either party unless reduced to writing and subscribed by both parties, or ordered by a Court.

23. WAIVER

Failure of the City to enforce any provision of this Contract shall not constitute a waiver or relinquishment by the City of the right to such performance in the future nor of the right to enforce any other provision of this Contract.

24. SEVERABILITY

If any provision of this Contract is declared by a court to be illegal or in conflict with any law, the validity of the remaining terms and provisions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the Contract did not contain the particular provision held to be invalid.

25. CAPTIONS

The headings, subheadings and titles to paragraphs of this agreement are solely for the convenience of the parties and shall not be used to explain, modify, simplify, or aid in the interpretation of the provisions of this Contract. They do not form a part of this Contract, and shall not be used in construing this Contract.

26. ATTORNEY FEES

In the event a lawsuit of any kind is instituted on behalf of the City of Springfield to enforce any provision of this Contract, the Contractor shall pay such additional sums as the Court may adjudge reasonable for attorney fees plus all costs and disbursements at trial and on any appeal.

SAMPLE

27. REMEDIES

This Contract shall be governed and construed in accordance with the laws of the State of Oregon, apart from choice of law provisions. The parties agree that the Circuit Court for the County of Lane, State of Oregon, or the Federal District Court of the State of Oregon (Eugene) is the sole and proper forum for resolving any disputes involving this Contract, any breach of this Contract, or relating to its subject matter. The Parties agree to submit themselves to the jurisdiction of such courts without challenge to the jurisdiction of these courts. This Contract shall not be construed more favorably to the City due to the preparation of this Contract by the City.

28. OWNERSHIP STATUS

Both parties understand and acknowledge that the City is a public body as specified in ORS 30.260 and maintains its status as a public body and retains all immunities and privileges granted it and its officers, agents, and employees by the Tort Claims Act (ORS 30.260 – ORS 30.295) and any and all other statutory rights granted the City as a result if its status as a public body.

29. SUCCESSORS IN INTEREST

The provisions of this Contract shall be binding upon and shall inure to the benefit of the parties to this Contract and their respective successors and assigns.

IN WITNESS WHEREOF: The said City has caused these presents to be executed by its City Manager (or Designee) as authorized by Ordinance 6281 of the Common Council of the City of Springfield, and the said Contractor has caused these presents to be executed itself.

CITY OF SPRINGFIELD, OREGON
(A Municipal Corporation)

By:

_____
City Manager, City of Springfield

_____
Date:

CONTRACTOR

By:

_____
Name of Company *(Please Print)*

_____
Contractor's Signature

_____
Name: *(Please Print)*

_____
Title: *(Please Print)*

_____
Date

_____
Business Address

_____
City **State** **Zip**

_____
Cell Phone

_____
E-Mail Address

SAMPLE

PREVAILING WAGE RATE INFORMATION

Prevailing Wage Rates information can be found at the following website:

https://www.oregon.gov/boli/employers/Pages/prevailing-wage-rates.aspx

For the proper Prevailing Wage Rates applicable to this project, please refer to the following publications:

1.) *Prevailing Wage Rate Publication; Prevailing Wage Rates for Public Works Contracts in Oregon with an effective date of January 1, 2022.*

The following Amendments to the Prevailing Wage Rates for Public Works Contracts in Oregon also apply;

a.) N/A

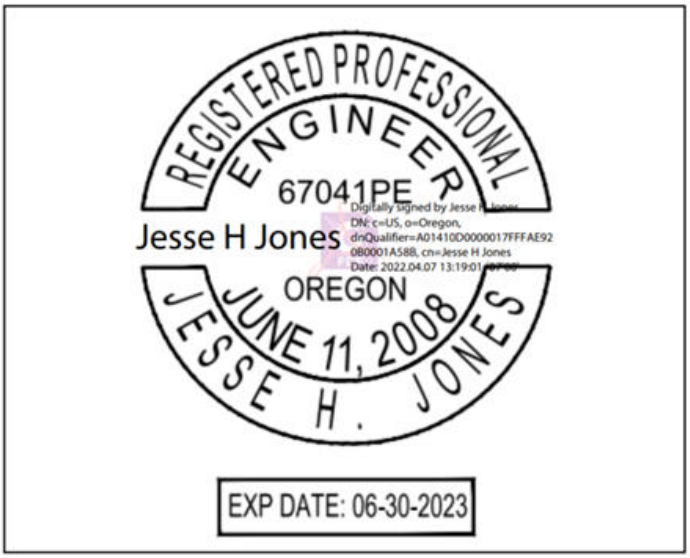
CITY OF SPRINGFIELD

SPECIAL PROVISIONS

FOR

P21166

S. 28th Street Sanitary Sewer Extension



SPECIAL PROVISIONS

SECTION A – General Requirements

P21166 – S. 28th St. Sanitary Sewer Extension

A1.1 Codes and Standards

All work shall be performed in accordance with the highest standard of practice in the industry and shall be furnished in conformance with all applicable codes, statutes or standards that apply to this work including, but not limited to, any applicable Federal, State or City of Springfield Codes, Standards and Ordinances.

A1.2 Applicable Standard Specifications

Division 100, General Requirements, of the 1994 Edition of the Standard Construction Specifications of the City of Springfield, Oregon, including all revisions at date of Bid opening, and Parts 00200 through 03000 of the 2018 Oregon Standard Specifications for Construction shall apply to this Invitation to Bid and the ensuing construction contract, except as may be modified herein. If any section of the 2018 Oregon Standard Specifications for Construction should refer to Section 00100 of the same, the Bidder will instead refer to the equivalent section in Division 100 of the 1994 Edition of the Standard Construction Specifications, including all revisions at date of Bid opening. In the case of discrepancy, unless noted otherwise herein, the provision determined by the City to be more restrictive shall apply.

A1.3 Form of Proposal

REPLACE SECTION 102.02 "FORM OF PROPOSAL" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"The Proposal and the proposal guarantee in the form of a bid bond, certified check, or cashier's check, shall be enclosed in a sealed, labeled and addressed envelope, as required in the Instructions to Bidders and filed as required therein. The outside of the envelope shall plainly identify: (1) The project name and (2) The bid opening date.

All Proposals must be clearly and distinctly typed or written with ink or indelible pencil.

All Proposals shall be on the form furnished by Owner, and in addition to necessary unit price items and total prices in the column of totals to make a complete Bid, all applicable blanks giving general information must be filled in and the Bids signed by an officer or duly authorized representative of the Bidder. Any statement accompanying and tending to qualify a Bid may cause rejection of such Bid, unless such statement is required, in a Proposal embracing alternate Bids. All bid documents except plans must be returned with the Bid.

Unless otherwise specified, Bidders shall bid on all Bid items included in the Proposal, and the low Bidder shall be determined as noted in Subsection 103.01 AWARD OF CONTRACT. Except as provided herein Proposals which are incomplete or fail to comply to all items required in the Proposal may be rejected."

INSERT IN ITS PLACE THE FOLLOWING:

"BID DOCUMENTS, EXCEPT PLANS, MUST BE RETURNED WITH THE BID. This includes documents listed in the "Instructions to Bidders" within the original bid book, and any addendum that may be issued pertaining to the bid in question. The only exceptions to this are any plans or drawings, which are not required to be submitted as a part of your Bid.

The Bid Submittal, Bid Bond, Certified Check, or Cashier's Check shall be enclosed in a sealed and labeled envelope. The outside of the envelope shall plainly identify: (1) The project name and project number and (2) The Bid opening date. All Bids must be clearly and distinctly typed or written with ink or indelible pencil. Unless otherwise specified, Bidders shall bid on all Bid items, and must include in their Bid prices the entire cost of each item of work set forth in the Bid.

Sealed Bids shall be addressed to Amanda Clinton, Contracts Analyst, City of Springfield, Development and Public Works- Southeast Quad, 225 Fifth St. Springfield, Oregon, 97477 at, or before, the time and date noted on the Invitation to Bidders, after which time the Bids will be publicly opened and read aloud.

All Bids shall be on the form furnished by the City, and in addition to necessary unit price items and total prices in the column of totals to make a complete Bid, all applicable blanks giving general information must be filled in and the Bids signed by an officer or duly authorized representative of the Bidder. The only exceptions to this requirement are the Performance Bond, Payment Bond, Statutory Public Works Bond and the Contract documents which are provided here as a reference. However, if you are awarded the Bid, you will be required to submit fully executed copies of these documents upon request. Any statement accompanying and tending to qualify a Bid may cause rejection of such Bid, unless such statement is required in a Bid embracing alternate Bids.

If, in the opinion of the City, the items or prices in any Bid appear unbalanced, incomplete, or fail to comply with all the terms required, the Bid may be rejected."

A1.4 Proposal Guaranty and Organization

REPLACE SECTION 102.05 "PROPOSAL GUARANTY AND ORGANIZATION" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"Each Bid must be accompanied by a Bid Bond, cash or a certified or cashier's check upon a bank in good standing, payable to the Finance Director of the City of Springfield, Oregon, in an amount equal to at least 10% of the total amount of the bid. Such Proposal guaranty shall be forfeited and become the property of the City in case the Bidder shall fail or neglect to furnish a satisfactory Performance Bond and Payment Bond and to execute the Contract within 10 days (Saturday, Sunday and holidays excepted) after receiving said Contract from the City for execution. Bid bonds submitted shall be on the form provided by the City in the Bid document."

INSERT IN ITS PLACE THE FOLLOWING:

"As required by ORS 279C.365(4) each Bid shall be accompanied by a Bid Bond, cash, or a certified or cashier's check written upon a bank in good standing and in a form acceptable to the City, payable to the Finance Director of the City of Springfield, Oregon, in an amount equal to at least 10 percent of the total amount of the Bid. Bid Bonds shall be issued by a surety company registered to issue bonds in the State of Oregon, and utilizing a bond form acceptable to the City. The City will accept AIA Document A310-2010 Bid Bond (sample form enclosed). The Bid Bond may not be altered.

Such Bid Guarantee shall be forfeited and become the property of the City in case the Bidder shall fail or neglect to furnish a satisfactory Performance and/or Payment Bond issued by a viable bond company acceptable to the City as required by ORS 279C.380 and to execute the Contract within ten (10) days (Saturday, Sunday, and holidays excepted) after receiving Contract from the City for execution. For information regarding Performance and Payment Bond requirements see City of Springfield Contract document, Section 5. City Bonding."

A1.5 Interpretation of Contract Documents

REPLACE SECTION 102.07 "INTERPRETATION OF CONTRACT DOCUMENTS" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"If it should appear to a Bidder that the work to be done, or matters relative thereto, is not sufficiently described or explained in the Contract Documents, or that Contract Documents are not definite and clear, the Bidder may make written inquiry regarding same to the Engineer at least 5 days before the scheduled closing time for filing Bids. Requests to clarify the source of materials, equipment suppliers, or any other such matter which does not modify, change, increase, or decrease the scope of the work require no action by the Owner other than a response to the Bidder requesting the clarification. Clarifications which modify, change, increase, or decrease the scope of work, require issuance of an Addendum by the Owner for the interpretation to become effective. Such addenda will be mailed to all holders of the Contract Documents. Oral instruction or information concerning the Contract Documents or the project given out by officers, employees, or agents of the Owner to prospective Bidders shall not bind the Owner. "

INSERT IN ITS PLACE THE FOLLOWING:

"If it should appear to a Bidder that the work to be done is not sufficiently described or explained in the Contract Documents, or that Contract Documents are not definite and clear, the Bidder shall make written inquiry regarding same to the individual shown, in the manner instructed and within the timeframe indicated in the Invitation to Bid advertisement. Questions received will be evaluated and if, in the judgment of the City, the response does not alter or amend the requirements or scope of the Invitation to Bid, but merely clarifies existing information, the response will be entered on the Clarifications Log and posted to the project webpage as shown in the Invitation to Bid. If, in the judgment of the City, additional information or interpretation is necessary, such information shall be supplied in the form of an addendum to all individuals, firms, and corporations listed on the Plan Holders List and those individuals that attended the Pre-Bid Meeting and provided an accurate e-mail address on the sign-in sheet. Such addenda shall have the same binding effect as though contained in the main body of the Contract Documents. The City is not responsible for any explanation, clarification, interpretation or approval made or given in any manner except by written addenda issued by City."

A1.6 Addenda to Contract Documents

REPLACE SECTION 102.08 "ADDENDA TO CONTRACT DOCUMENTS" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"Any addenda issued by the Owner, which may include changes, corrections, additions, interpretations, or information, and issued 48 hours or more before the scheduled closing time for filing the Bids, Saturday, Sunday and legal holidays not included, shall be binding upon the Bidder. Owner shall supply copies of such addenda to all Contractors who have obtained copies of the Contract Documents for the purposes of bidding thereon. Failure of the Contractor to receive or obtain such addenda shall not excuse him from compliance therewith, if he is awarded the Contract."

INSERT IN ITS PLACE THE FOLLOWING:

"Any addenda issued by the City, which may include changes, corrections, additions, interpretations, or information issued 72 hours or more before the scheduled closing time for filing the Bids shall be binding upon the Bidder. Addenda will be posted to the City's website at www.springfield-or.gov/DPW/InvitationBid.htm. The Contractor should check the website frequently for new postings during the open bid period. The City shall make a reasonable effort to notify all individuals, firms, and corporations listed on the Plan Holders List and those individuals that attended the Pre-Bid Meeting and provided an accurate e-mail address on the

sign-in sheet when addenda are issued. Failure of the Contractor to receive or obtain such addenda shall not excuse them from compliance."

A1.7 Familiarity With Laws and Ordinances

REPLACE THE THIRD PARAGRAPH OF SECTION 102.09 "FAMILIARITY WITH LAWS AND ORDINANCES" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"In compliance with ORS 279.318 the Contractor is made award that the following Federal, State, and local agencies have enacted ordinances or regulations relating to the prevention of environmental pollution or the preservation of natural resources which may affect performance of the City of Springfield contracts.

FEDERAL AGENCIES

Department of Agriculture
Forest Service
Soil Conservation Service
Department of the Army-Corp of Engineers
Coast Guard
Dept. of Health & Human Services
Dept. of Interior-of Indian Affairs
Bureau of Land Management
Bureau of Outdoor Recreation
Fish and Wildlife Service
Office of Surface Mining
Reclamation & Enforcement
Department of Labor
Occupational Safety & Health Administration
Mine Safety & Health Admin.
Department of Transportation
Federal Highway Admin.
Environmental Protection Agency

STATE AGENCIES

Department of Agriculture
Department of Energy
Dept. of Environmental Quality
Dept. of Fish & Wildlife
Dept. of Forestry
Dept. of Geology & Minerals
Dept. of Human Resources
Land Conservation and Development Bureau Commission
Division of State Lands
State Soil and Water Conservation Commission
Water Resources Department

LOCAL AGENCIES

Common Council, City of Springfield
County Court, Lane County
Planning Commission, City of Springfield
Planning Commission, Lane County
Lane Regional Air Pollution Authority
Springfield Utility Board"

INSERT IN ITS PLACE THE FOLLOWING:

"In compliance with ORS 279C.525, the Contractor is made aware that the following federal, state, and local agencies have enacted ordinances or regulations relating to the prevention of environmental pollution or the preservation of natural resources which may affect performance of City of Springfield contracts. This is not intended to be a complete listing of agencies. Other agencies may have enacted ordinances or regulations that may apply.

If the Contractor is delayed or must undertake additional work by reason of existing ordinances, rules or regulations of agencies not cited in the Contract or due to the enactment of new or the amendment of existing statutes, ordinances, rules or regulations relating to the prevention of environmental pollution and the preservation of natural resources occurring after the submission of the successful bid, the contracting agency may, at its discretion, terminate the Contract, complete the work itself; use non-agency forces already under contract with the City, require that the underlying property owner be responsible for cleanup, solicit bids for a new contractor to provide the necessary services or issue the Contractor a change order setting forth the additional work that must be undertaken.

If the Contractor encounters a condition not referred to in the Invitation to Bid documents, not caused by the Contractor or any Subcontractor employed on the project and not discoverable by a reasonable pre-bid visual site inspection, and the condition requires compliance with the ordinances, rules or regulations referred to under this regulation, the Contractor shall immediately notify the City of the condition.

FEDERAL AGENCIES

Department of Agriculture
Forest Service
Soil Conservation Service
Department of the Army Corps of Engineers
Coast Guard
Department of Health and Human Services
Department of the of Interior
Bureau of Indian Affairs
Bureau of Land Management
Bureau of Outdoor Recreation
Department of Commerce
Fish and Wildlife Service
Office of Surface Mining
Reclamation and Enforcement
Bureau of Reclamation
Department of Labor
Occupational Safety and Health Administration
Mine Safety and Health Admin
Department of Transportation
Federal Highway Administration
Environmental Protection Agency

STATE AGENCIES

Department of Agriculture
Department of Energy
Department of Environmental Quality
Department of Fish and Wildlife
Department of Forestry
Department of Geology and Minerals
Department of Human Resources
Land Conservation and Development Commission
Division of State Lands
State Soil and Water Conservation Commission
Water Resources Department
Oregon Department of Transportation

LOCAL AGENCIES

City of Springfield
Planning Commission, City of Springfield
Springfield Development and Public Works
Metropolitan Wastewater Management Commission
City of Springfield Urban Renewal Districts - Downtown and Glenwood
Springfield Utility Board
Lane County
Planning Commission, Lane County
Willamalane
Lane Regional Air Protection Authority
Lane Council of Governments
Rainbow Water District
Emerald People's Utility District

A1.8 Award of Contract

ADD THE FOLLOWING PARAGRAPH TO SECTION 103.01 "AWARD OF CONTRACT" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"Prior to awarding the Contract, the City may, at its sole discretion, require Contractors and/or Subcontractors to demonstrate to the City's satisfaction that they have a complete and clear understanding of all requirements of the Prevailing Wage Rate Laws contained in ORS 279C.800 through 279C.870 and possess the expertise necessary for fulfilling their obligations pertaining to these requirements throughout the administration of the Contract. In determining competency, the City may consider Certified Payroll Reports submitted by the Contractor and/or Subcontractor for projects previously performed for the City, copies of Certified Payroll Reports submitted to other public entities, references from other public entities attesting to the Contractor's expertise, or an interview with the Contractor regarding their personnel resources and expertise or their ability to obtain the resources and expertise necessary to meet all contractual responsibilities in accordance with ORS 279C.375."

A1.9 Protection of Property

ADD THE FOLLOWING TO THE END OF SECTION 105.11 "PROTECTION OF PROPERTY" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"The Contractor shall provide the Engineer with photographic documentation of pre-construction and post-construction conditions on all private properties affected by the Contractor's work. The Contractor shall provide digital photos of each area of work on private properties sufficient to document the conditions prior to the start of the Contractor's work and immediately after completion of the Contractor's work. All photos shall be submitted to the Engineer by line and

street address in an organized manner on compact discs prior to the requesting that the final payment be made.

The Contractor shall obtain a written release from the property owner on the Homeowner Approval and Release Form confirming that the site restoration work is satisfactory to the property owner. The Contractor shall document that a minimum of two attempts were made to secure a release from each property owner by providing a list of property owners by address and indicating the dates and times of each attempt. This list and all signed Homeowner Approval and Release Forms shall be submitted to the Engineer prior to requesting that the final payment be made."

A1.10 Trade Names, Approved Equals or Substitutions

ADD THE FOLLOWING TO THE BEGINNING OF SECTION 107.06 "TRADE NAMES, APPROVED EQUALS OR SUBSTITUTIONS" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"Brand Name or Equal Specification means a specification that uses one or more manufacturers' names, makes, catalog numbers or similar identifying characteristics to describe the standard of quality, performance, functionality or other characteristics needed to meet the contracting agency's requirements. The "Equal" product, component or process shall be the same or better than that named in function, performance, reliability, quality and general configuration. Determination of equal in reference to the project design requirements will be made by the Engineer, pursuant to Subsection 106.07. Unless otherwise specified, whenever a manufacturer's name brand or model is mentioned, it is to be understood that the phrase "approved equal" is assumed to follow thereafter, whether it does in fact or not. Such specification authorizes Contractors to offer goods or services that are equivalent or superior to those brands named or described in the specification."

A1.11 Insurance

REPLACE SECTION 107.06 "INSURANCE" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"The Contractor shall provide and maintain general liability, auto liability, property, and workers' compensation insurance for life of this Contract.

General Liability Insurance
The Contractor shall maintain an ISO Commercial General Liability insurance policy (or an equivalent policy approved by Owner) with combined single limits of at least $1,000,000 per occurrence for bodily injury, personal injury, and property damage and an aggregate limit of a least $2,000,000. The policy shall include coverage for contractual liabilities.

Comprehensive Automobile Liability Insurance
The Contractor shall maintain an automobile liability insurance policy with combined single limits of at least $1,000,000 per occurrence for bodily injury, personal injury, and property damage.

Additional Insured Endorsement
The general and automobile insurance policies specified above shall include endorsements naming as an additional insured "the City of Springfield, its agents, employees and officials all while acting within their official capacity as such."

Property Insurance
Depending on the nature of the construction contemplated under this contract, Owner may require Contractor to provide property insurance. Refer to Special Provisions section of this Contract.

Workers' Compensation Insurance
Contractor, its subcontractors, if any, and all employers working under this agreement are subject employers under the Oregon Workers' Compensation Law and shall comply with ORS 656.017, which requires them to provide workers' compensation coverage for all their subject workers.

Contractor is responsible for maintaining workers' compensation insurance for his employees and assuring that his subcontractors, if any, also maintain workers' compensation insurance. Contractor shall defend, indemnify, and hold Owner harmless from any liability for any workers' compensation claims costs, fines, or costs whatsoever arising from Contractor's or his subcontractors' failure to comply with ORS 656.017.

Additional Policies and Special Coverages
Refer to the Special Provisions section of this Contract for additional coverages that may be required.

Certificates of Insurance
Certificates of insurance evidencing all policies required by this Contract shall be delivered to the Owner prior to the commencement of any work. All certificates shall include a 30-day notice of cancellation clause and required additional insured endorsements. The Owner has the right to reject any certificate for unacceptable coverage and/or companies."

INSERT IN ITS PLACE THE FOLLOWING:

"INSURANCE

All insurance shall carry a rating of A- or better with A. M. Best and must be approved by the City as to terms, conditions and form prior to beginning work. Certificates of insurance evidencing all policies and endorsements required by this Contract shall be delivered to the Owner prior to the commencement of any work. The Owner has the right to reject any certificate or endorsement for unacceptable coverage and/or companies.

Liability and Property Damage

The Contractor shall maintain in force for the duration of the Contract, to include the warranty period, a Commercial General Liability insurance policy written on an occurrence basis with limits not less than $2,000,000 per occurrence and $3,000,000 in the aggregate. The policy will be endorsed with Additional Insured, Per Project Aggregate, Products and Completed Operations and Primary and Noncontributory endorsements. The City, its employees, officials and agents will be named as Additional Insured's where operations are being conducted related to this Contract on the Commercial General policy as respects to work or services performed under this Contract to the extent that the death or bodily injury to persons or damage to property arises out of the fault of the Contractor or the fault of the Contractor's agents, representatives or Subcontractors. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such." The City's Additional Insured status for Products and Completed Operations hazards shall extend for at least one year beyond formal Council acceptance of the project. This insurance shall be primary and shall be paid and applied first in its entirety prior to any application of insurance the CITY may carry on its own. A 30-day notice of cancellation or material change in coverage clause shall be included.

The Contractor shall maintain in force for the duration of the Contract, to include the warranty period, an Automobile Liability insurance policy (owned, non-owned, and hired) with limits not less than $1,000,000 per occurrence. The policy will be endorsed with Additional Insured and Primary and Noncontributory endorsements. The City, its employees, officials and agents will be named as Additional Insured's where operations are being conducted related to this Contract on the Automobile Liability policy as respects to work or services performed under this Contract to

the extent that the death or bodily injury to persons or damage to property arises out of the fault of the Contractor or the fault of the Contractor's agents, representatives or Subcontractors. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such." This insurance shall be primary and shall be paid and applied first in its entirety prior to any application of insurance the CITY may carry on its own. A 30-day notice of cancellation or material change in coverage clause shall be included.

Workers' Compensation

The Contractor shall provide and maintain Workers' Compensation coverage with limits no less than $500,000 for it employees, officers, agents, or partners, as required by applicable Workers' Compensation laws. If the Contractor is exempt from this coverage a written statement, signed by the Contractor, explaining the reason for the exemption will be provided to the City prior to commencement of any work.

Course of Construction and/or Installation Floater

The Contractor shall maintain in full force for the duration of this Contract an All Risk insurance policy approved by the City as to terms, conditions and form covering the replacement cost of the work during the course of construction. The policy shall include the interests of the City and Architect/Engineer, as applicable, and the first two layers of Subcontractors. The amount of insurance shall equal the completed value of the Contract. The City, at its option, may elect to supply this coverage.

Asbestos Abatement (only applicable to Asbestos Specific Contracts)

If applicable to this Contract, the Contractor shall maintain in full force a Commercial General Liability policy approved by the City as to terms, conditions and form that is Asbestos Specific with a minimum limit of $2,000,000 per occurrence and $3,000,000 in the aggregate written on a form that meets the following criteria:

a. A full occurrence form, or
b. A limited occurrence form with at least a three-year (3) tail, or
c. A claims made form with a three-year (3) tail.

Pollution Liability Coverage (only applicable to Pollution Specific Contracts)

If applicable to this Contract, the Contractor shall maintain in full force a Commercial General Liability policy approved by the City as to terms, conditions and form that is Pollution Specific with a minimum limit of $2,000,000 per occurrence and $3,000,000 in the aggregate written on a form that meets the following criteria:

a. A full occurrence form, or
b. A limited occurrence form with at least a three-year (3) tail, or
c. A claims made form with a three-year (3) tail.

Professional Liability Coverage (only applicable to Contracts if specified)

If Professional Liability insurance is required, the City must approve the terms, conditions and limits prior to commencement of any work.

Additional Policies and Special Coverages

Refer to the Special Provisions section of this Contract for additional coverages that may be required.

Railroad Protective Liability Coverage

If work being performed under this Contract is near railroad tracks or a railroad right of way and the Railroad requires special insurance (for example: Railroad Protective Liability Coverage) Contractor will be responsible for meeting the Railroad insurance requirements before any work commences. Any insurance required to be purchased by the Railroad is in addition to the insurance required by the City.

Subcontractors

The Contractor shall require all Subcontractors to provide and maintain General Liability, Auto Liability and Workers' Compensation insurance and, as applicable, Professional, Asbestos and Pollution Liability with coverage's equivalent to those required of the General Contractor in this Contract. The Contractor shall require certificates of insurance from all Subcontractors as evidence of coverage.

Additional Insured Endorsement

All certificates of insurance, with the exception of Professional Liability and Railroad Protective Liability, must include an endorsement which lists the City of Springfield as a named additional insured. The following statement will appear on the face of the certificate; "The City, its employees, officials and agents are all named as additional insured while acting in their capacity as such."

Evidence of Coverage and Notice of Cancellation or Material Change in Coverage

Evidence of the required coverages issued by a company satisfactory of the City shall be provided to the City by way of a certificate of insurance before any work or services commence. A 30-day notice of cancellation or material change in coverage clause shall be included.

If the approved insurance company will not provide this 30 day notice, it shall be the responsibility of the Contractor to provide written notice to the City within two (2) days of the Contractor becoming aware that their coverage has been cancelled or materially changed. The Contractor shall e-mail notification directly to Nathan Bell, Finance Director at nbell@springfield-or.gov with a copy to Terri White at twhite@springfield-or.gov. Regardless of the circumstances causing the Contractor's insurance coverage to cease or be modified, it is the Contractor's responsibility to notify the City as described above.

Failure to maintain the proper insurance or provide notice of cancellation or material change shall, at the City's option, be grounds for immediate termination of this Contract. _____
(Contractor initials)

Equipment and Material

The Contractor shall be responsible for any loss, damage, or destruction of its own property, equipment, and materials used in conjunction with the work."

A1.12 Contract Time

ADD THE FOLLOWING AT THE END OF THE SECOND PARAGRAPH OF 108.04 "CONTRACT TIME" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"This provision does not apply to the seasonal suspension of work pursuant to Subsection 108.05."

A1.13 Suspensions of Work

REPLACE SECTION 108.05 "SUSPENSIONS OF WORK" OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"Suspension by Owner

The Contractor shall immediately suspend work on the project wholly or in part as directed by the Owner for good and sufficient reason. In the event of such suspension, Owner shall, except in emergency, and except as hereinafter provided, give Contractor three days' notice and work shall be resumed within five days after notice has been given by Owner to Contractor to do so. Owner shall allow Contractor an extension of time for completion corresponding to the total period of temporary suspension, and shall reimburse him for necessary rental of unused equipment, services of watchpersons and other unavoidable expenses by reason of the suspension without fault of Contractor. Contractor shall not be entitled to damages, intangible or overhead costs or anticipated profits from such temporary suspension.

Suspension by Engineer

The Contractor shall immediately suspend work on the project wholly or in part as directed by the Engineer pursuant to Subsections 105.01 and 105.02 due to: (l) failure to correct unsafe conditions for working personnel, the general public or Owner's employees, (2) failure to carry out provisions of the Contract Documents, and (3) failure to carry out orders or directions, for such periods as the Engineer may deem necessary due to conditions considered unsuitable for the performance of the work or for any reason deemed to be in the public interest.

The Contractor shall immediately suspend work on the project wholly or in part as directed by the Engineer, for such periods as the Engineer may deem necessary, pursuant to Subsection 105.19 for failure to immediately correct defective and unacceptable work.

Suspension by Contractor

Suspending operations because of seasonal conditions or other unsuitable conditions pursuant to Subsection 108.06 shall require the concurrence of the Engineer.

Responsibility of Contractor

Voluntary or involuntary suspension or slowdown, with or without the approval of the Engineer, and suspension of work ordered by the Engineer will not be grounds for claims or damages, idle equipment or labor, or extra compensation. No allowance or compensation will be made on account of such suspensions of work except as provided hereinbefore and as provided in Subsection 108.06.

At the commencement of, and during any suspensions of work, the Contractor shall be responsible for the care of work performed and take every precaution to prevent any damage or deterioration of the work. The Contractor shall be responsible for work, including temporary protection devices to warn, safeguard, protect, guide and inform traffic during suspension, the same as though its performance had been continuous and without interferences.

The Contractor shall be responsible and bear all costs for providing suitable provisions for traffic control and for maintenance and protection of the work during suspension for cause. If the Contractor fails to provide for temporary traffic control and to maintain the work, the Engineer may immediately proceed to maintain the work. The cost of such maintenance shall

be deducted from payments due or to become due to the Contractor.

Resumption of Work

In all cases of suspension, work will be resumed only upon written order of the Engineer or Owner."

INSERT IN ITS PLACE THE FOLLOWING:

"Temporary Suspension of Work by Owner/Engineer

The Contractor shall immediately suspend work on the project wholly or in part as directed by the Owner/Engineer for good and sufficient reason. In the event of such suspension, Owner/Engineer shall, except in emergency, and except as hereinafter provided, give Contractor three days' notice and work shall be resumed within five days after notice has been given by Owner/Engineer to Contractor to do so. Owner/Engineer shall allow Contractor an extension of time for completion corresponding to the total period of temporary suspension, and shall reimburse him for necessary rental of unused equipment, services of watchpersons and other unavoidable expenses by reason of the suspension without fault of Contractor. Contractor shall not be entitled to damages, intangible or overhead costs or anticipated profits from such temporary suspension. This subsection does not apply to Seasonal Suspension of Work.

Seasonal Suspension of Work by Engineer

The Contractor shall immediately suspend work on the project wholly or in part as directed by the Engineer pursuant to Subsections 105.01 and 105.02 due to seasonal weather conditions determined, at the sole discretion of the Engineer, to be unsuitable for the performance of work. The day count will be suspended during this time. See "Responsibility of Contractor" subsection following for Contractor's responsibilities during the suspension period. Work shall not resume without written approval from the Engineer.

Suspension of Work by Engineer for Failure to Comply

The Contractor shall immediately suspend work on the project wholly or in part as directed by the Engineer pursuant to Subsections 105.01 and 105.02 due to: (l) failure to correct unsafe conditions for working personnel, the general public or Owner's employees, (2) failure to carry out provisions of the Contract Documents, and (3) failure to carry out orders or directions. Work shall be suspended for such periods as the Engineer may deem necessary due to conditions considered unsuitable for the performance of the work or for any reason deemed to be in the public interest.

Suspension of Work by Engineer for Failure to Correct Defective or Unacceptable Work

The Contractor shall immediately suspend work on the project wholly or in part as directed by the Engineer, for such periods as the Engineer may deem necessary, pursuant to Subsection 105.19 for failure to immediately correct defective and unacceptable work.

Suspension of Work by Contractor

Suspending operations because of seasonal conditions or other unsuitable conditions pursuant to Subsection 108.06 shall require the concurrence of the Engineer.

Responsibility of Contractor Under This Subsection

Voluntary or involuntary suspension or slowdown, with or without the approval of the Engineer/Owner, and suspension of work ordered by the Engineer/Owner will not be grounds for

claims or damages, idle equipment or labor, or extra compensation. No allowance or compensation will be made on account of such suspensions of work except as provided hereinbefore and as provided in Subsection 108.06.

At the commencement of, and during any suspensions of work, the Contractor shall be responsible for the care of work performed and take every precaution to prevent any damage or deterioration of the work. In the case of pipework, the Contractor shall provide necessary provisions to maintain sanitary sewer and storm water functionality on both the public and private sides. The Contractor shall be responsible for work, including temporary protection devices to warn, safeguard, protect, guide and inform traffic during suspension, the same as though its performance had been continuous and without interferences. The Contractor shall restore fencing or place temporary fencing, to include temporary security fencing, as needed to provide secure restraint for pets and to protect private property.

The Contractor shall be responsible and bear all costs for providing suitable provisions for traffic control and for maintenance and protection of the work during suspension for cause. If the Contractor fails to provide for temporary traffic control and to maintain the work, the Engineer may immediately proceed to maintain the work. The cost of such maintenance shall be deducted from payments due or to become due to the Contractor.

Resumption of Work

In all cases of suspension, work will be resumed only upon written order of the Engineer or Owner."

A1.14 Submission of Certified Payroll

REPLACE THE SECOND PARAGRAPH OF SECTION 109.07 OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"Once before the first payment and each time the prevailing wage rates change, and once before final payment is made, Contractor shall supply and file with Owner a statement in writing under oath, in form prescribed by the State Labor Commission and which conforms with ORS Chapter 279, certifying the hourly rate of wages paid each classification of workman not exempt by statute who is employed upon such project and further certifying that no workman employed has been paid less than minimum prevailing wage rate. Each Subcontractor who performed work on the project during the period covered by the payment may be required to file with Owner a similar statement which covers its workmen."

INSERT IN ITS PLACE THE FOLLOWING:

"It shall be the responsibility of the Contractor and any subcontractors to submit certified payroll statements to the City as to the wage rates paid to each worker as follows:

As specified in ORS 279C.845, the Contractor or the Contractor's surety and every Subcontractor or the Subcontractor's surety shall file certified statements with the public agency in writing, on a form prescribed by the Commissioner of the Bureau of Labor and Industries, certifying the hourly rate of wage paid each worker whom the Contractor or the Subcontractor has employed upon the public works, and further certifying that no worker employed upon the public works has been paid less than the prevailing rate of wage or less than the minimum hourly rate of wage specified in the Contract. The certificate and certified statement shall be verified by the oath of the Contractor or the Contractor's surety or Subcontractor or the Subcontractor's surety that the Contractor or Subcontractor has read the certified statement and certificate and knows the contents thereof and that the same is true to the Contractor or Subcontractor's knowledge. Certified statements (also referred to as certified payroll reports) shall be submitted to the City no later than the 5th business day of the following month for which the certified statement and certificate are being presented, regardless of whether any actual work is performed on the

project or not. This information must be submitted to the City and also retained by the Contractor and Subcontractor(s) for three years.

Contracting agencies and general contractors are required to withhold 25% of amounts to Contractors if certified payrolls are not filed by the Contractor as required for work performed on projects subject to the prevailing wage rate law. Failure of Contractors to comply with the certified payroll filing requirements of the law, therefore, will result in a negative fiscal impact to those Contractors of up to 25% of their amount owed.

Each worker employed in the performance of this contract, either by the Contractor or Subcontractor or other person doing or contracting to do or contracting for the whole or any part of the work of the contract, must be paid not less than the specified minimum hourly rate of wage in accordance with ORS 279C.838 and 279C.840."

A1.15 Progress Payment

REPLACE THE SIXTH PARAGRAPH OF SECTION 109.07 OF THE STANDARD CONSTRUCTION SPECIFICATIONS:

"Progress payment will be made by the Owner on a monthly basis no later than the 20th day of the subsequent month of work performed, except that, additional days may be required when a payment is accompanied by one or more of the following: an extension of completion time, change order or extra bill. Payment may be made via use of checks or warrants at the option of the Owner for the amount of the approved estimate, less retainage."

INSERT IN ITS PLACE THE FOLLOWING:

"Progress payment will be made by the City no later than the fourth Friday of the month in the month subsequent to the work being performed, except that additional days may be required when the Contractor fails to submit complete and accurate certified payroll reports which are in compliance with ORS279C.845 when due, or a payment is accompanied by one or more of the following: an extension of completion time, change order or bill. If the Contractor fails to submit acceptable certified payroll reports when due, or one or more of the previously stated exceptions apply, the progress payment may be made up to fourteen (14) days after the date the certified payroll or other required information in question is received by the City."

A1.16 Oregon Products

Contractor's attention is directed to the provisions of Oregon Law, ORS 279A.120 regarding the preference for products that have been manufactured or produced in Oregon. Contractor shall use Oregon-produced or manufactured materials with respect to common building materials such as cement, sand, crushed rock, gravel, plaster, etc., and Oregon-manufactured products in all cases where price, fitness, availability and quality are otherwise equal.

A1.17 Salvage and Debris

Unless otherwise indicated on the drawings or in the specifications, all castings, pipe, equipment, demolition debris, fences, trees, shrubs, spoil or any other discarded material or equipment shall become the property of the Contractor and shall be salvaged or disposed of in a manner compliant with applicable Federal, State and local laws and regulations governing disposal of such waste products. No burning of debris or any other discarded material will be permitted. The Contractor shall perform any demolition for the completion of this project and shall salvage and recycle all construction and demolition debris as is feasible and cost effective, in accordance with ORS 279C.510.

END OF SECTION

SPECIAL PROVISIONS

SECTION B – Scope of Work

P21166 – S. 28th St. Sanitary Sewer Extension

B1. GENERAL

B 1.1 Project Description

The proposed work generally consists of furnishing all labor, equipment, materials, and supervision for sanitary sewer construction of approximately 1363 lineal feet of 12-inch diameter PVC pipe, along with associated manholes and service laterals.

B1.2 Cooperation with Utilities

Contact SUB Electric Operations at 541-726-2395 at least 72 hours prior to any work or equipment encroaching within 20 feet of electrical lines. At certain locations, power, light, and telephone poles may interfere with excavation and operation of the Contractor's equipment. Coordinate with SUB Electric Operations 72 hours prior about supporting poles. The cost to support poles will be paid by the City of Springfield and shall not be included in the Contractors cost.

Utility Contact Phone Number(s)

1. SUB Water	541-726-2396
2. SUB Electrical	541-726-2395
3. Northwest Natural Gas - Main	541-520-5343
4. City of Springfield Operations (Storm / Sewer)	541-726-3761

B1.3 Construction Zone Work Hours

Unless otherwise directed by the Engineer, normal construction work zones with active project operations are to be conducted Monday through Friday. Work outside the hours of 7:00 a.m. to 6:00 p.m. is not permitted unless approval is given by the City Engineer.

B 1.4 Record Drawings

Contractor shall maintain at the site one set of specifications, full size drawings, shop drawings, equipment drawings and supplemental drawings which shall be corrected as the work progresses to show all changes made. Drawings shall be available for inspection by the Engineer. Upon completion of the contract and prior to final payment, specifications and drawings shall be turned over to the Engineer.

B 1.5 Competent Person Designation

Contractor shall designate a qualified and experienced "competent person" at the site whose duties and responsibilities shall include enforcement of Oregon - OSHA regulations regarding excavations, the prevention of accidents, and the maintenance and supervision of construction site safety precautions and programs.

B 1.6 Vehicle Parking

The vehicles of the Contractor's and subcontractors' employees shall be parked in accordance with local parking ordinances.

B 1.7 Survey Services

The City of Springfield shall provide survey services as required and as described in Section 105.09 and 105.10 of the City of Springfield Standard Construction Specifications. All requests for survey services shall require a 48 hour minimum notice.

B1.8 Prosecution and Progress - Project Work Schedules

Before starting work, the Contractor shall submit for written approval a proposed construction schedule to the Engineer. If it is desirable to carry on operations in more than one location simultaneously, a schedule shall be submitted for each location two weeks in advance of beginning such operations. In the event that the Contractor's proposed construction schedule does not meet the necessary construction program schedule as determined by the City, the Contractor shall resubmit a schedule that conforms as approved.

The schedule shall show the proposed order of work and indicate the time required for completion of the major items of work. This working schedule shall take into account the passage or handling of traffic with the least practicable interference therewith and the orderly, timely and efficient prosecution of work. It will also be used as an indication of the sequence of the major construction operations and as a check on the progress of work.

The Contractor shall provide weekly progress schedules of expected project activities. The progress schedules shall indicate the Contractor's plan of work in sufficient detail to enable both the Contractor and the Engineer to plan, coordinate, appraise, document, and control their respective Contract responsibilities. The schedule of work, and the work forces and equipment supplied by the Contractor, shall be adjusted adequately to allow for the completion of the contract work by the stated contract completion date. Any work done without notification to the Engineer is subject to rejection.

B1.9 Specifications

SECTION 00210 - MOBILIZATION

Comply with Section 00210 of the 2021 Oregon Standard Specifications for Construction.

SECTION 00221 - WORK ZONE TRAFFIC CONTROL

Comply with Section 00225 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00221.00 Scope - Add the following to the end of this subsection:

Includes construction of temporary bypass road at Booth Kelly Rd/Mill Race Path Intersection per sheet E03.

00221.06 (b) Contractor Modified Traffic Control Plan

In the sentence that begins "If the Contractor requests to use a modified Agency TCP…" delete "according to 00150.3".

Add the following to the end of this subsection:
The Traffic Control Plan (TCP) in the plan set has been approved by the Agency for use by the Contractor. A

proposed Contractor Modified Traffic Control Plan shall incorporate all appropriate standards from the latest editions of Manual of Uniform Traffic Control Devices (MUTCD) and ODOT's Oregon Temporary Traffic Control Handbook. The TCP shall be approved by the City's Engineer prior to implementation. Allow 5 work days for the City's Engineer to review and return the drawings. Drawings which are not approved shall be corrected and resubmitted for review. If, as determined by the Engineer, the TCP does not meet these requirements the TCP will be rejected and no adjustment of Contract Time will be allowed. Allow 5 work days for the Engineer to review drawings each time they are resubmitted.

00221.98 Payment, Method "B" - Lump Sum Basis

Temporary Work Zone Traffic Control - Complete, Bid Item 2, will be paid in accordance with the Standard Specifications.

SECTION 00280 - EROSION AND SEDIMENT CONTROL

Comply with Section 00280 of the2021 Oregon Standard Specifications for Construction modified as follows:

00280.04 Erosion and Sediment Control Plan on Agency Controlled Lands - Delete the following:

The fifth paragraph which begins with "Ensure the Contractor's construction ESCP and implementation schedules are prepared by…."

00280.90 Payment – Delete the following:

"Water used for non-chemical dust control will be paid according to Section 00340."

SECTION 00320 - CLEARING AND GRUBBING

Comply with Section 00320 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00320.02 Definitions (c) Clear Zone: Delete "See 00110.20".

00320.90 Payment - Add the following to the end of this subsection:

Clearing and Grubbing, Bid Item 6, will be paid on a Lump Sum (LS) basis. Under this method, no measurement will be made.

SECTION 00405 – TRENCH EXCAVATION, BEDDING AND BACKFILL

Comply with Section 00405 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00405.11 Trench Foundation – Delete the following:

- Selected general backfill conforming to 00330.13.
- Selected granular backfill conforming to 00330.14.
- Selected stone backfill conforming to 00330.15.
- Other approved material.

Replace it with the following:

- Commercially available ¾" – 0 aggregate

00405.12 Bedding – Delete this subsection, except for the number and title, and replace it with the following:

For all pipes, place pipe bedding with commercially available ¾" – 0 aggregate. Labor, bedding, backfill and pipe zone material are incidental to the pipe work.

00405.13 Pipe Zone Material - Delete this subsection, except for the number and title, and replace it with the following:

For all pipes, backfill the pipe zone with commercially available ¾" – 0 aggregate. Pipe zone shall be constructed per Springfield Standard Drawing 4-17, Class C for all work within the roadway. Labor, bedding, backfill, and pipe zone material are incidental to the pipe work.

00405.14 Trench Backfill (b) Class B Backfill - Delete this subsection, except for the number and title, and replace it with the following:

Class B Backfill (¾" - 0 aggregate) shall be used for trench backfill on all roadway pipe work and shall be incidental to pipe work.

Labor and backfill material (excluding CLSM) are incidental to the pipe work.

00405.15 Quality Control – Delete this subsection in its entirety.

00405.41 Trench Excavation (a) Within Paved Areas to be Preserved – Add the following to the end of this subsection:

Removal of asphalt concrete within roadways is incidental to the pipe work.

00405.42 Rock Excavation - Delete the first sentence of the second paragraph that begins with "if using explosives, comply with …"

00405.48 Surface Removal - Delete the following subsections in their entirety:

(a) General
(b) Topsoil

Add the following to the end of subsection (c) Pavement, Curb, and Sidewalk:

Saw-cutting and removal of concrete curb and gutter, raised crossings, sidewalk, and driveways are incidental to the pipe work.

SECTION 00415 VIDEO PIPE INSPECTION

Comply with Section 00415 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00415.21 Service Line Lateral Inspection Equipment - Delete this subsection in its entirety.

00415.41 Pre-Construction Video Inspection - Delete this subsection in its entirety.

00415.70 Post-Construction Video Inspection, (a) Types of Inspection - Delete the second bullet "One inspection of service line laterals with a launch camera."

SECTION 00442 – CONTROLLED LOW STRENGTH MATERIALS

Comply with Section 00442 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00442.00 Scope - Add the following to the end of this subsection:

Controlled Low Strength Materials (CLSM) shall be used where specified by the Engineer. See SUB Standard Drawing W1.23.1 for more information.

00442.80 Measurement - Delete this subsection, except for the number and title, and replace it with the following:

Controlled Low Strength Materials (CLSM) will be measured on a Cubic Yard (CY) basis.

00442.90 Payment - Delete this subsection, except for the number and title, and replace it with the following:

Add the following pay item:

Pay Item	Unit of Measurement
(a) Controlled Low Strength Materials (CLSM) (Bid Item 6)	Cubic Yard (CY)

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

Comply with Section 00445 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00445.00 Scope - Add the following to the end of this subsection:

Dewatering is considered incidental to all pipe work.

6-inch and 12-inch ASTM D3034 SDR 35 PVC Sanitary Sewer Pipe

6-inch (Bid Item 7) and 12-inch (Bid Item 8) ASTM D3034 SDR 35 PVC Sanitary Sewer Pipe includes saw-cutting, trench excavation, removal and disposal of any asphalt and/or concrete surfacing, native soil and existing pipe, installation of new 6-inch and 12-inch ASTM D3034 SDR 35 PVC Sanitary Sewer Pipe, and trench backfill using granular ¾"-0 aggregate as shown in Springfield Standard Drawing 4-17, Class C. Work under these bid items also includes dewatering, diversion and by-pass pumping, disposal of excavated material as necessary.

6-inch x 12-inch x 12-inch ASTM D3034 SDR 35 PVC Tee

Bid Item 9, 6-inch x 12-inch x 12-inch ASTM D3034 SDR 35 PVC Tee, calls for the connection and installation of 6-inch x 12-inch x 12-inch ASTM D3034 SDR 35 PVC Tees. Backfill and surface restoration will be incidental to the 12-inch ASTM D3034 SDR 35 PVC Sanitary Sewer Pipe, Bid Item 8.

Two-way 6-inch Lateral Cleanout, Box and Cover - Complete in Place

Bid Item 10, Two-way 6-inch Lateral Cleanout, Box and Cover - Complete in Place, calls for furnishing and installing Two-way 6-inch Lateral Cleanouts, risers, plugs and connecting couplings, appropriate plastic valve box or traffic-rated box and lid with concrete collar, and all other incidental work and materials. Install Two-way, 6-inch Cleanouts as shown on Springfield Standard Drawings 4-4A. Payment for this bid item shall be per Each (EA) Two-way 6-inch Lateral Cleanout, Box and Cover - Complete in Place, regardless of depth and backfill class.

Cleanout installation locations to be determined in field, the Two-way 6-inch Lateral Cleanout, Box and Cover are to be placed at the edge of the City of Springfield's right of way. If fence lines interfere with placing the Two-way 6-inch Lateral Cleanout, Box and Covers then they are to be installed on the roadway side of the property owner's fence per Engineer's judgment.

00445.15 Quality Control - Delete this subsection in its entirety.

00445.91 Payment - Add the following pay items to the pay item list:

Pay Item	Unit of Measurement
(m) Two-way 6-inch Lateral Cleanout, Box and Cover - Complete in Place (Bid Item 10)	EACH (EA)

SECTION 00470 – MANHOLES, CATCH BASINS, AND INLETS

Comply with Section 00470 of the 2021 Oregon Standard Specifications for Construction.

SECTION 00490 – WORK ON EXISTING SEWERS AND STRUCTURES

Comply with Section 00490 of the 2021 Oregon Standard Specifications for Construction.

SECTION 00744 – ASPHALT CONCRETE PAVEMENT

Comply with Section 00744 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00744.00 Scope - Add the following to the end of this subsection:

Level 2, ½-inch Dense Asphalt Concrete Pavement (ACP) shall be the Lane County 2022 Approved Mix.

Level 2, ½-inch Dense Hot Mix Asphalt Concrete Pavement (ACP), Bid Item 13, shall be used for all areas within the project limits.

Asphalt in trench cuts will be placed in 2 inch lifts; match existing asphalt (minimum 4 inches).

00744.17 Acceptance - Delete this subsection, except for the number and title, and replace it with the following:

If the average for each mix gradation constituent and asphalt content is within specification limits, the material will be accepted. If the average asphalt content or one or more of the gradation constituents is not within the specification limits, the acceptance or rejection of the material will be determined as shown below.

The Contractor shall furnish materials and shall perform work in close conformance to the contract documents. If the Project Engineer determines that the materials furnished or the work performed are not in close conformance with the contract documents, the Project Engineer may:

- Reject the materials or work and order the Contractor, at the Contractor's expense, to remove, replace, or otherwise correct any non-conformity; or
- Accept the materials or work as suitable for the intended purpose, adjust the amount paid for applicable material or work to account for diminished cost to the Contractor or diminished value to the City, document the adjustment, and provide written documentation to the Contractor regarding the basis of the adjustment.

00744.90 Payment - Delete this subsection, except for the number and title, and replace it with the following:

The accepted quantities of ACP incorporated into the project will be paid for at the Contract unit price, per Ton, for item Level 2, ½-inch Dense Asphalt Concrete Pavement (ACP), Bid Item 13.

Payment will be payment in full for furnishing and placing all materials, and for furnishing all equipment, labor, and incidentals necessary to complete the work as specified. No separate or additional payment will be made for asphalt cement, mineral filler, lime, and anti-stripping or other additives.

Add the following pay item:

Pay Item	Unit of Measurement
(a) Level 2, ½-inch Dense Asphalt Concrete Pavement (ACP) (Bid Item 13)	TON

SECTION 00860 - LONGITUDINAL PAVEMENT MARKINGS - PAINT

Comply with Section 00860 of the 2021 Oregon Standard Specifications for Construction modified as follows:

00860.00 Scope - Add the following to the end of this subsection:

White paint is specified for use instead of the traditional thermoplastic because the raised crossing will be replaced in 2023 as part of a separate contract.

00860.90 Payment - Delete the first paragraph of this subsection and replace it with the following:

The accepted quantities of painted pavement markings will be paid for at the Contract unit price, per square foot, for White Paint Stripe (Bid Item 14).

Pay Item	Unit of Measurement
(a) White Paint Stripe (Bid Item 14)	Square Foot (SF)

END OF SECTION

CITY OF SPRINGFIELD

CONSTRUCTION PLANS & DRAWINGS

for

S. 28th St. Sanitary Sewer Extension

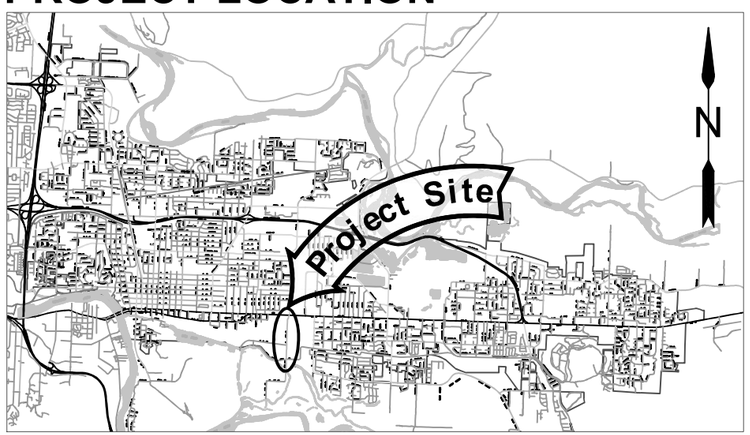
Project #P21166

CITY OF SPRINGFIELD
DEVELOPMENT & PUBLIC WORKS

Project P21166
S. 28TH STREET SANITARY SEWER EXTENSION

CONSTRUCTION OF SANITARY SEWER EXTENSION AND LATERALS

PROJECT LOCATION



SHEET INDEX

SHEET NO.	DESCRIPTION
A01-A04	TITLE, LEGEND, ABBR., LAYOUT, GEN NOTES
C01	GENERAL CONSTRUCTION DETAILS
E01-E03	TEMPORARY TRAFFIC CONTROL DETAILS
F01-F02	EROSION AND SEDIMENT CONTROL DETAILS
H01-H05	SANITARY SEWER LINE PLAN SHEETS

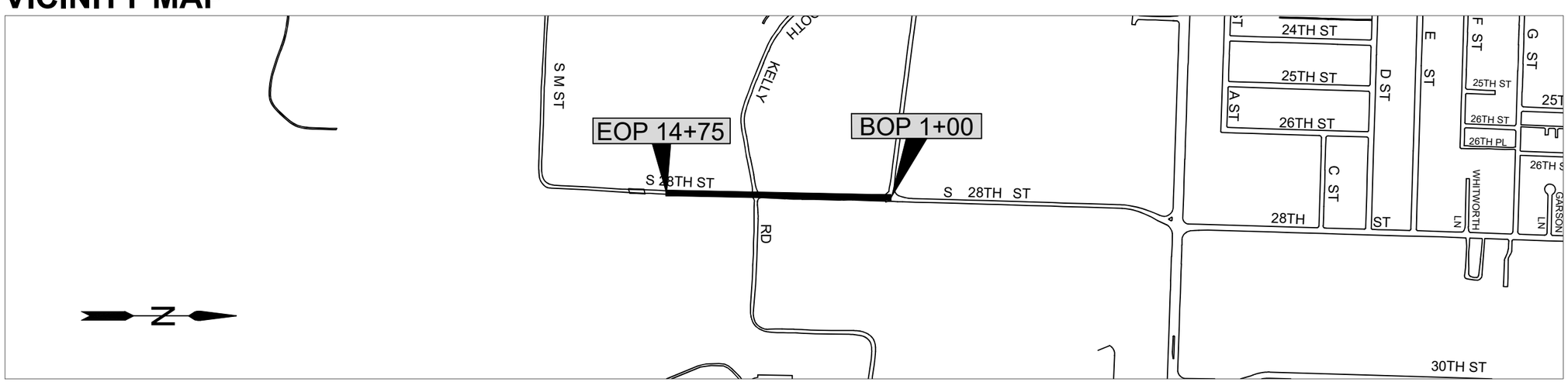
STANDARD DRAWINGS

DWG NO.	DESCRIPTION
4-1	STANDARD MANHOLE
4-4A	SEWER CLEANOUT DETAIL: ROW PAVED SURFACE
4-16	SURFACE RESTORATION OVER TRENCH EXCAVATION
4-17	TYPICAL PIPE ZONE AND PIPE BEDDING
W1.23.1	WATER LINE INSTALLATION OVER SEWER
DET4560	PAVEMENT MARKING DETAIL BLOCKS
TM503	PAVEMENT MARKING STANDARD DETAIL BLOCKS
TM844	TEMPORARY PEDESTRIAN ACCESS ROUTING

NOTES

1. TOPO PERFORMED WITH THE TRIMBLE S6 TOTAL STATION BETWEEN OCTOBER AND NOVEMBER OF 2019
2. HORIZONTAL DATUM IS NAD 83/91
3. VERTICAL DATUM IS NAVD88

VICINITY MAP



No.	Revision/Issue	Date

811
Know what's below.
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Project P21166
S. 28TH STREET SANITARY SEWER EXTENSION

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
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SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H Jones
DN: C=US, O=Oregon, dnQualifier=4021430000001TFFFAE0280001A088, CN=Jesse H Jones
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TITLE SHEET

NO SCALE	SHEET A01 OF 15
DRAWN BY: T. GREEN	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

April 6, 2022

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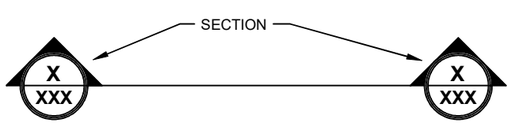
ABBREVIATIONS

AB	AGGREGATE BASE	DI	DUCTILE IRON	INV	INVERT	RCP	REINFORCED CONCRETE PIPE
ABAN	ABANDON(ED)	DIA	DIAMETER	LAT	LATERAL	RD	ROAD
ACP	ASPHALTIC CONCRETE PAVEMENT	DR	DRIVE	LDAP	LAND DRAINAGE & ALTERATION PERMIT	REINF	REINFORCE(D)(ING)(MENT)
AD	AREA DRAIN	DWG	DRAWING	LF	LINEAL FEET	REQ'D	REQUIRED
ADA	AMERICANS WITH DISABILITIES ACT	DWY	DRIVEWAY	LP	LOW POINT	RESTR	RESTRAINED
ADJ	ADJUST	EA	EACH	LPR	LOW PRESSURE	ROW	RIGHT-OF-WAY
AL	ALUMINUM	EC	END CURVE	LT	LEFT	RRFB	RECTANGULAR RAPID FLASHING BEACON
APPROX	APPROXIMATELY	EDOP	EDGE OF PAVEMENT	MATL(S)	MATERIALS	RT	RIGHT
APPVD	APPROVED	EG	EXISTING GRADE	MAX	MAXIMUM	S/W	SIDEWALK
ARV	AIR RELEASE VALVE	EL	ELEVATION	MFR(S)	MANUFACTURER(S)	S	SLOPE
ASSY	ASSEMBLY	ELEC	ELECTRIC, ELECTRICAL	MH(S)	MANHOLE(S)	SCHED	SCHEDULE
ATB	ASPHALT TREATED BASE	EOP	END OF PROJECT	MHSD	MANHOLE STORM DRAIN	SD	STORM DRAIN
APPROX	APPROXIMATELY	EP	EDGE OF PAVEMENT	MHSS	MANHOLE SANITARY SEWER	SDMH	STORM DRAIN MANHOLE
APVD	APPROVED	EQ	EQUAL	MIN	MINIMUM	SERV	SERVICE
BC	BEGIN CURVE	EQUIP	EQUIPMENT	MISC	MISCELLANEOUS	SHT(S)	SHEET(S)
BLDG	BUILDING	ESMT	EASEMENT	MJ	MECHANICAL JOINT	SL	SLOPE
BM	BENCHMARK	EVC	END VERTICAL CURVE	MON	MONUMENT	SPECS	SPECIFICATIONS
BO	BLOWOFF	EX	EXISTING	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES	SQ	SQUARE
BOP	BEGINNING OF PROJECT	EXCAV	EXCAVATION	NO	NUMBER	SQFT	SQUARE FOOT, SQUARE FT
BTM	BOTTOM	FAB	FABRICATE	NTS	NOT TO SCALE	SS	SANITARY SEWER
BVC	BEGIN VERTICAL CURVE	FD	FLOOR DRAIN	OC	ON CENTER	SST	STAINLESS STEEL
C/G	CURB & GUTTER	FH	FIRE HYDRANT	OD	OUTSIDE DIAMETER	ST	STREET
CB	CATCH BASIN	FI	FIELD INLET	ODOT	OREGON DEPARTMENT OF TRANSPORTATION	STA	STATION
CCP	CONCRETE CULVERT PIPE	FIN GR	FINISHED GRADE	OVHD	OVERHEAD UTILITY	STD	STANDARD
CFFL	CURB FACE FLOW LINE	FL	FLOW LINE	P	POWER	STL	STEEL
CI	CURB INLET	FLG	FLOW LINE OF GUTTER	P/L	PROPERTY LINE	SUB	SPRINGFIELD UTILITY BOARD
CIP	CAST IN PLACE	FM	FORCE MAIN	PC	POINT OF CURVATURE	SW	SIDEWALK
CL	CENTER LINE	FT	FOOT, FEET	PCCP	PORTLAND CEMENT CONCRETE	TB	THRUST BLOCK
CLS	CLASS	FTG	FITTING	PERM	PERMANENT	TCP	TRAFFIC CONTROL PLAN
CO	CLEANOUT	G	GAS	PI	POINT OF INTERSECTION	TEL	TELEPHONE
CONC	CONCRETE	GB	GRADE BREAK	POLY	POLYETHYLENE	TEMP	TEMPORARY
CONST	CONSTRUCT, CONSTRUCTION	GALV	GALVANIZED	PRC	POINT OF REVERSE CURVATURE	TFC	TOP FACE OF CURB
CONT	CONTINUOUS	GR	GRADE	PRESS	PRESSURE	THK	THICK
COP	COPPER	GRVL	GRAVEL	PROP	PROPOSED	THRU	THROUGH
COR	CORNER	GV	GATE VALVE	PS	PUMP STATION	TV	TELEVISION
COS	CITY OF SPRINGFIELD	HMAC	HOT MIX ASPHALT CONCRETE	PT	POINT OF TANGENCY	TYP	TYPICAL
CPLG	COUPLING	HORIZ	HORIZONTAL	PUGD	UNDERGROUND POWER	VERT	VERTICAL(LY)
CR	CRUSHED ROCK	HP	HIGH POINT	PV	PLUG VALVE	W	WATER
CTB	CONCRETE TREATED BASE	HPR	HIGH PRESSURE	PVC	POLYVINYL CHLORIDE	WM	WATER METER
CV	CHECK VALVE	HWY	HIGHWAY	PVI	POINT OF VERTICAL INTERSECTION	WWMH	WASTEWATER MANHOLE
CY	CUBIC YARD	ID	INSIDE DIAMETER	PVMT	PAVEMENT	VC	VERTICAL CURVE
D	DRAIN	IE	INVERT ELEVATION	R	RATE		
DET	DETAIL	IN	INCH, INCHES	RAD	RADIUS		

SECTION AND MATCHLINE DESIGNATIONS

SECTION DESIGNATIONS



MATCHLINE DESIGNATIONS

MATCH LINE	SEE SHEET
STA XX+XX	XXX

LEGEND

COMMUNICATION LINE	COM
GAS LINE (DIA SHOWN)	4"G
POWER LINE	E
STORMWATER DRAINAGE	SD
SANITARY LINE	SS
TV LINE	TV
WATER LINE (DIA SHOWN)	16"W
COMMUNICATION BOX	T
FIRE HYDRANT	
POLE	
SANITARY MANHOLE	S
TREE/BUSH/SHRUB	
UTILITY VAULT	U
WATER VALVE	
WATER METER	W

No.	Revision/Issue	Date

811
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Project P21166
S. 28TH STREET SANITARY SEWER EXTENSION

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H. Jones
DN: C=US, O=Oregon, 2.5.4.5=#0141500000001 7FFFAE9208D01A588, CN=Jesse H. Jones
Reason: I am approving this document
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Date: 2022-04-06 11:56:33
Foxit Reader Version: 9.7.1

EXP DATE: 06-30-2023

ABBREVIATIONS, LEGEND

NO SCALE	SHEET
DRAWN BY: T. GREEN	A02
DESIGNED BY: J. JONES	OF
CHECKED BY: J. PASCHALL	15

April 6, 2022

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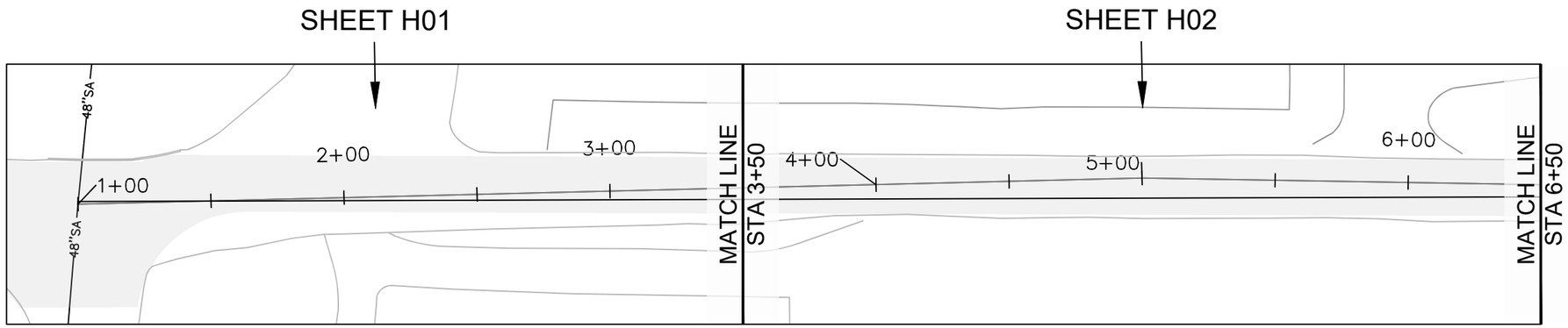

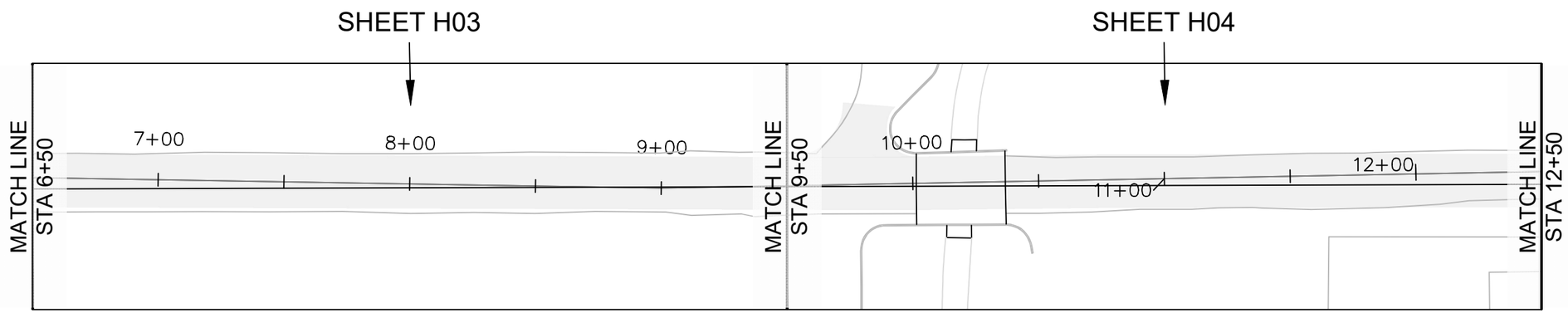

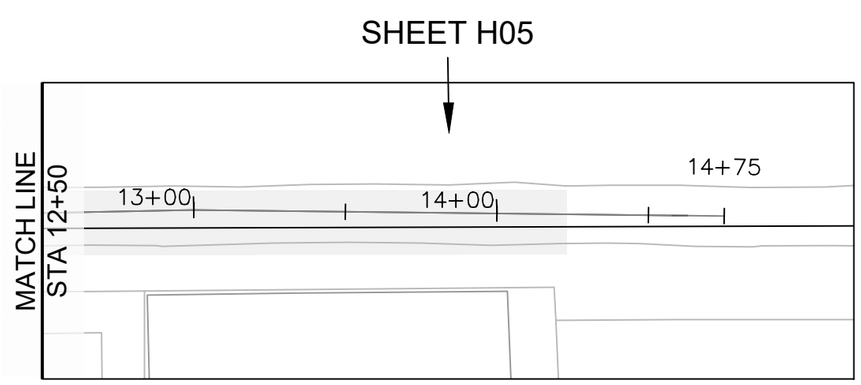

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No.	Revision/Issue	Date

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Project P21166
S. 28TH STREET SANITARY SEWER EXTENSION

City of Springfield
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SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

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DN: C=US, O=City of Springfield, ou=Staff, 2.5.4.12=0000201777FFAE92080005A58B, CN=Jesse H Jones
Reason: I am approving this document
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EXP DATE: 06-30-2023

GENERAL LAYOUT

SCALE: 1" = 50'

DRAWN BY:	*T. GREEN*
DESIGNED BY:	*J. JONES*
CHECKED BY:	*J. PASCHALL*

SHEET A03 OF 15

April 6, 2022
April 6, 2022

GENERAL CONSTRUCTION NOTES:

GENERAL CONSTRUCTION NOTES

A. ALL MATERIALS AND WORKMANSHIP WITHIN THE PUBLIC RIGHT-OF-WAY OR PUBLIC EASEMENTS SHALL MEET STANDARD SPECIFICATIONS FOR CONSTRUCTION, AS SPECIFIED IN SECTION 'A' OF THE SPECIAL PROVISIONS IN ADDITION TO ALL OTHER SPECIFICATIONS REFERENCED OR INCLUDED, AND IN ADDITION TO THESE PLANS.

B. OREGON LAW REQUIRES THE CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0100. THE CONTRACTOR MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (800) 332-2344 OR 811.

C. LOCATION AND/OR DEPTH OF EXISTING UTILITIES SHOWN ON PLANS ARE APPROXIMATE. ALL UTILITIES MAY NOT APPEAR ON PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL UTILITY COMPANIES FOR UNDERGROUND LOCATION OF FACILITIES AT LEAST 48 HOURS PRIOR TO EXCAVATING OR "POTHOLING". THE "ONE-CALL" NUMBER (800) 332-2344 OR 811.

D. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH UTILITY COMPANIES ON THE TIMING OF INSTALLATION OF THEIR FACILITIES.

E. ALL SANITARY AND STORM SEWER CONNECTIONS TO EXISTING CITY OWNED FACILITIES (PIPE, CATCH BASINS, MANHOLES, ETC.) SHALL BE INSPECTED BY THE CONTRACTOR AND THE CITY'S DEVELOPMENT AND PUBLIC WORKS OPERATIONS DEPARTMENT PRIOR TO HOOK UP. CONTACT OPERATIONS AT (541-726-3761) OR CITY CONSTRUCTION INSPECTOR NO LESS THAN 48 HOURS PRIOR TO DESIRED INSPECTION TIME.

F. WHERE CONNECTING TO AN EXISTING PIPE. THE CONTRACTOR SHALL EXPOSE THE END OF THE EXISTING PIPE AND ALLOW THE ENGINEER TO VERIFY EXACT LOCATION AND ELEVATION, CONDITION, AND POSITIVE FLOW BEFORE LAYING ANY NEW PIPE ON THAT SYSTEM.

G. THE SEWER GRADE SHALL BE PER THE PLANS SPECIFICATIONS AND WITH THE MINIMUM COVER AS SHOWN ON THE PLANS

H. THE CONTRACTOR SHALL INTERNALLY TELEVISION INSPECT THE SEWER AFTER ALL BACKFILL AND BEFORE THE FINAL LIFT OF ASPHALT PAVING. THE CONTRACTOR SHALL SUPPLY THE CITY WITH A WRITTEN T.V. REPORT AND VIDEO TAPE OR DVD FOR CITY APPROVAL AT LEAST 2 WORKING DAYS BEFORE THE PRE-PAVING MEETING.

I. CONTRACTOR TO SCHEDULE A PRE-PAVING CONFERENCE 24 HOURS PRIOR TO PAVING. CONTACT THE CONSTRUCTION INSPECTOR.

J. ALL JOINTS BETWEEN EXISTING and NEW ASPHALT PAVING SHALL BE SEALED WITH POLYMERIZED ASPHALT AND SANDED TO PREVENT PICK UP.

K. COMPACTION REQUIREMENTS:

LAYER	RATE	TEST
SUBGRADE	95%	T99
CRUSHED ROCK	95%	T180
ASPHALT (LOCAL)	90%	RICE
ASPHALT (COLLECTOR/ARTERIAL)	92%	RICE

L. CONCRETE COMPRESSIVE STRENGTH REQUIREMENTS (PSI):

CONCRETE USE	FIELD	LABORATORY
SIDEWALK/ADA RAMPS	3000	3450
CURBS/GUTTERS	3500	4025
DRIVEWAYS	3500	4025
PAVEMENT	4000	4600

M. THIS PROJECT SHALL COMPLY WITH THE AMERICAN DISABILITIES ACT REQUIREMENTS SUCH AS INCORPORATION OF DESIGN CRITERIA FOR RAMPS, MAXIMUM PROFILE AND CROSS SECTION SLOPES FOR SIDEWALKS, UPGRADING EXISTING FACILITIES WHERE MAJOR CONSTRUCTION IS OCCURRING, AND BUILDING WARNING FOR OBJECTS IN SIDEWALK SUCH AS CURBING OR LANDSCAPING AROUND MAILBOXES.

N. CONTRACTOR IS RESPONSIBLE TO OBTAIN APPLICABLE PERMITS FROM OTHER AGENCIES WITH JURISDICTIONS SUCH AS LANE COUNTY, OREGON DEPARTMENT OF TRANSPORTATION, OREGON DIVISION OF STATE LANDS, THE ARMY CORPS OF ENGINEERS, OR THE DEPARTMENT OF ENVIRONMENTAL QUALITY.

O. ALL IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL BE BOUND BY THE CURRENT REQUIREMENTS OF THE STATE OF OREGON STRUCTURAL SPECIALTY CODE, PLUMBING SPECIALTY CODE, AND/OR CITY OF SPRINGFIELD BUILDING DIVISION REQUIREMENTS. CONTRACTOR IS RESPONSIBLE TO OBTAIN APPLICABLE PERMITS FROM OTHER CITY DEPARTMENTS PRIOR TO DOING PRIVATE WORK.

P. EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. SEE EROSION CONTROL PLAN.

Q. STREET TREES: ONLY STREET TREES WITH A MINIMUM TRUNK CALIPER OF 2 IN. MEASURED 6 IN. ABOVE THE ROOT STEM SHALL BE SELECTED FOR PLANTING.

R. A PRE-CONSTRUCTION CONFERENCE IS REQUIRED BEFORE START OF CONSTRUCTION. ALL UTILITIES, CONTRACTORS and CITY REPRESENTATIVES SHALL HAVE RECEIVED THE FINAL APPROVED PLANS AT LEAST 5 WORKING DAYS PRIOR TO THE PRE CONSTRUCTION CONFERENCE.

S. THE ENGINEER AND/OR CITY HAVE THE RIGHT TO REQUIRE ADDITIONAL WORK NOT SHOWN HEREIN BUT NECESSARY FOR THE SUCCESSFUL COMPLETION OF THE PROJECT. STD.SPEC. 104.08.

T. REQUESTS BY THE CONTRACTOR FOR CHANGES SHALL BE APPROVED BY THE ENGINEER AND THE CITY IN WRITING PRIOR TO IMPLEMENTATION.

U. CONTRACTOR SHALL BE AWARE IF PAVING IS NOT SCHEDULED OR DOES NOT OCCUR PRIOR TO OCTOBER 15TH, WET WEATHER PROVISIONS INCLUDING ADDITIONAL ROCK SUBSTRUCTURE AND GEOTEXTILE FABRIC SHALL USED. REFER TO STANDARD SPECIFICATION SECTION 301.1.01 AND THE TYPICAL CROSS SECTIONS CONTAINED HEREIN FOR DETAILS.

V. THE CONTRACTOR SHALL VERIFY EACH EXISTING SANITARY AND STORM CONNECTION.

No.	Revision/Issue	Date

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SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

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GEN. CONSTRUCTION NOTES

NO SCALE

DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET A04 OF 15

April 6, 2022

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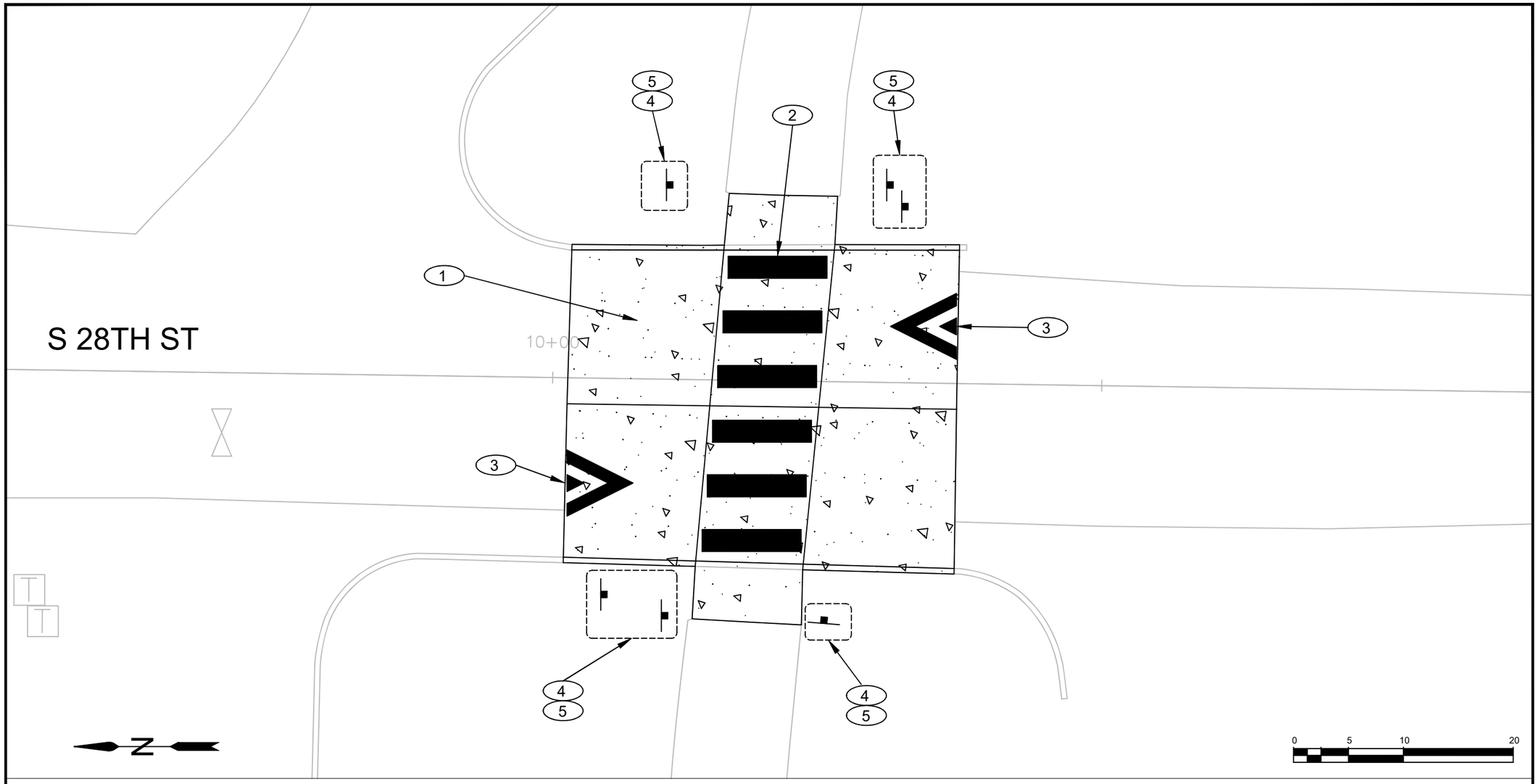

CONSTRUCTION NOTES:

1. RAISED CROSSING TO BE REMOVED AND REPLACED USING LEVEL 2, 1/2-INCH DENSE ASPHALT CONCRETE PAVEMENT (ACP), MINIMUM 4" THICK - MATCH ORIGINAL ELEVATIONS
2. INSTALL STAGGERED CONTINENTAL CROSSWALK (CW-SC) - SEE OFOT STD DWG TM503
3. INSTALL SPEED HUMP MARKING LEADING EDGE (SH-CL) - SEE ODOT STD DET4560
4. REMOVE, REPLACE SIGNS AS NECESSARY FOR RAISED CROSSING REMOVAL, REPLACEMENT
5. COVER SIGNS PERTAINING TO PEDESTRIAN, VEHICLE CROSSING DURING CONSTRUCTION. SEE E SHEETS FOR TTCP SIGNS AND PLACEMENTS

No.	Revision/Issue	Date

811 Know what's **below.** **Call** before you dig.

UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING UTILITY LOCATIONS PRIOR TO BEGINNING OF CONSTRUCTION. THESE PLANS MAY NOT SHOW ALL UTILITIES OR THE CORRECT LOCATIONS.

Project P21166
S. 28TH STREET SANITARY SEWER EXTENSION

City of Springfield

PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H Jones
DN: C=US, O=Oregon, dnQualifier=A0141ID0000017FFFAE92080001A588, CN=Jesse H Jones
Reason: I am approving this document
Location: City of Springfield
Date: 2022-04-06 11:06:34
Foxit PDF Reader Version: 9.7.1

EXP DATE: 06-30-2023

GEN. CONSTRUCTION DETAILS

SCALE: 1" = 10'	SHEET C01 OF 15
DRAWN BY: T. GREEN	
DESIGNED BY: J. JONES	
CHECKED BY: J. PASCHALL	

April 6, 2022

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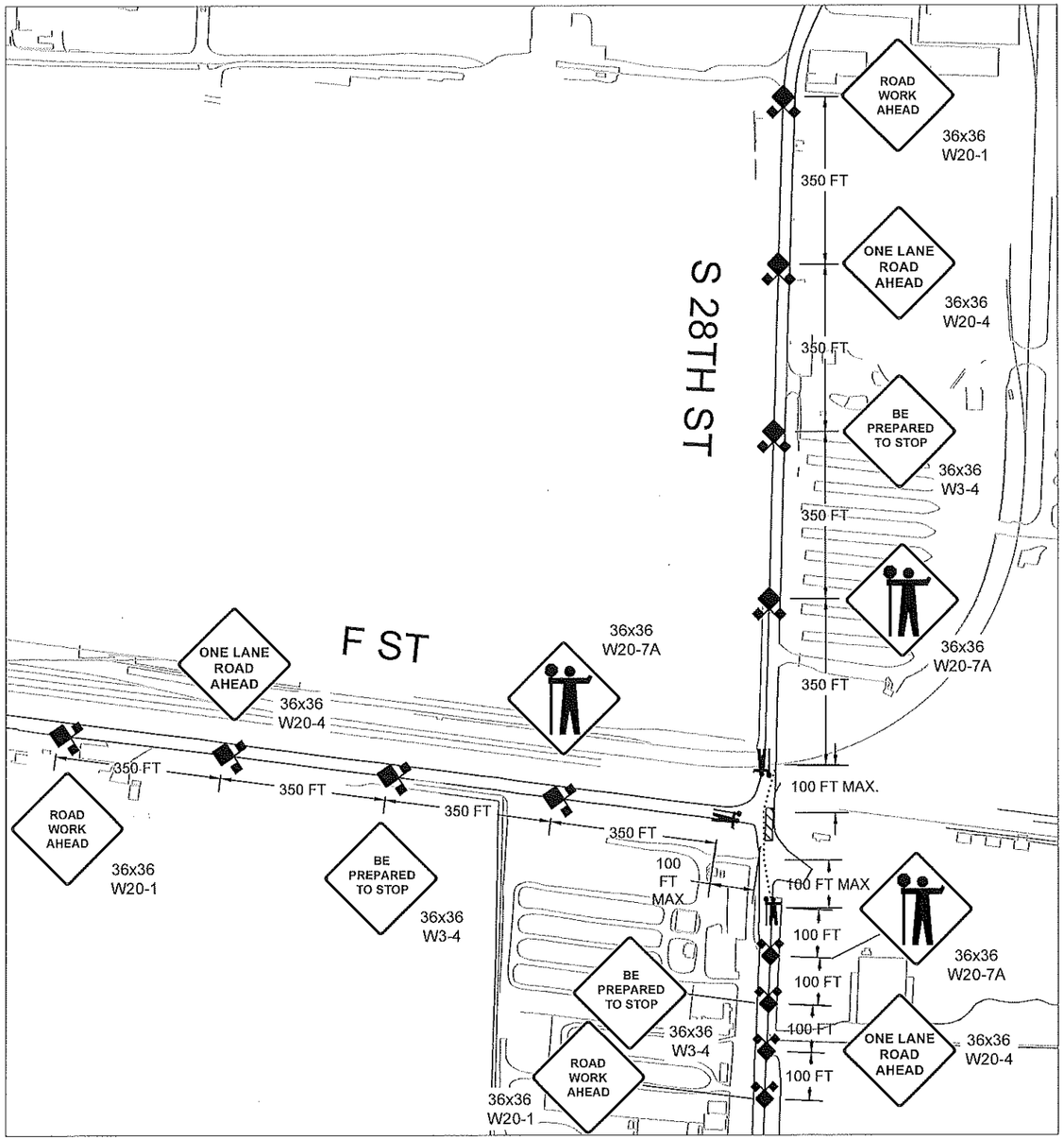

1
E01
LANE CLOSURE AT INTERSECTION WITH FLAGGING

N

TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
DOWNSTREAM (TERMINATION)	VARIES

TRAFFIC CONTROL DEVICES (TCD) SPACING TABLE

SPEED (MPH)	SIGN SPACING (FT)			MAX. CHANNELIZING DEVICE SPACING (FT)
	A	B	C	
20 - 30	100	100	100	20
35 - 40	350	350	350	20
45 - 55	500	500	500	40
60 - 70	700	700	700	40
FREEWAY	100	1500	2640	40

MINIMUM LENGTHS TABLE

SPEED (MPH)	"L" VALUE FOR TAPERS (FT) W=Lane or Shoulder Width being closed or shifted				Buffer (FT)
	W ≤ 10	W = 12	W = 14	W = 16	
25	105	125	145	165	75
30	150	180	210	240	100
35	205	245	285	325	125
40	265	320	375	430	150
45	450	540	630	720	180
50	500	600	700	800	210
55	550	660	770	880	250
60	600	720	840	960	285
65	650	780	910	1000	325
70	700	840	980	1000	365
FREEWAYS					
55	1000	1000	1000	1000	250
60	1000	1000	1000	1000	285
65	1000	1000	1000	1000	325
70	1000	1000	1000	1000	365

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19697PE
OREGON
MAY 5, 1998
BRIAN F. BARNETT
4/12/22

EXP DATE: 12-31-2023

TEMPORARY TRAFFIC CONTROL DETAILS

NO SCALE

DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET **E01** OF **15**

April 6, 2022

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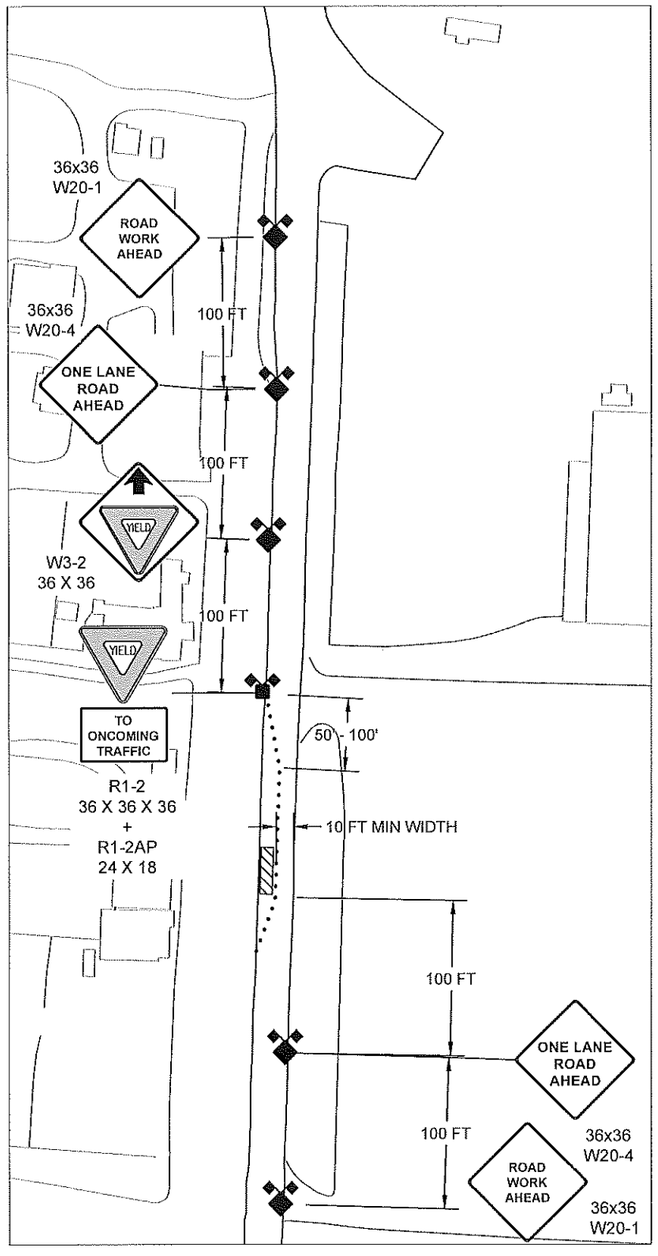

2
E01

SELF-REGULATING LANE CLOSURE

NOTE:
DETAIL TO BE USED WHEN 10 FT OR GREATER WIDTH AVAILABLE OPPOSITE CONSTRUCTION ALONG ROAD.

N

TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
FLAGGING	50' - 100'
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MAY 5, 1998
BRIAN F. BARNETT
4/7/2022

EXP DATE: 12-31-2023

TEMPORARY TRAFFIC CONTROL DETAILS

NO SCALE

DRAWN BY: T. GREEN
DESIGNED BY: J. JONES
CHECKED BY: J. PASCHALL

SHEET E02 OF 15

April 6, 2022

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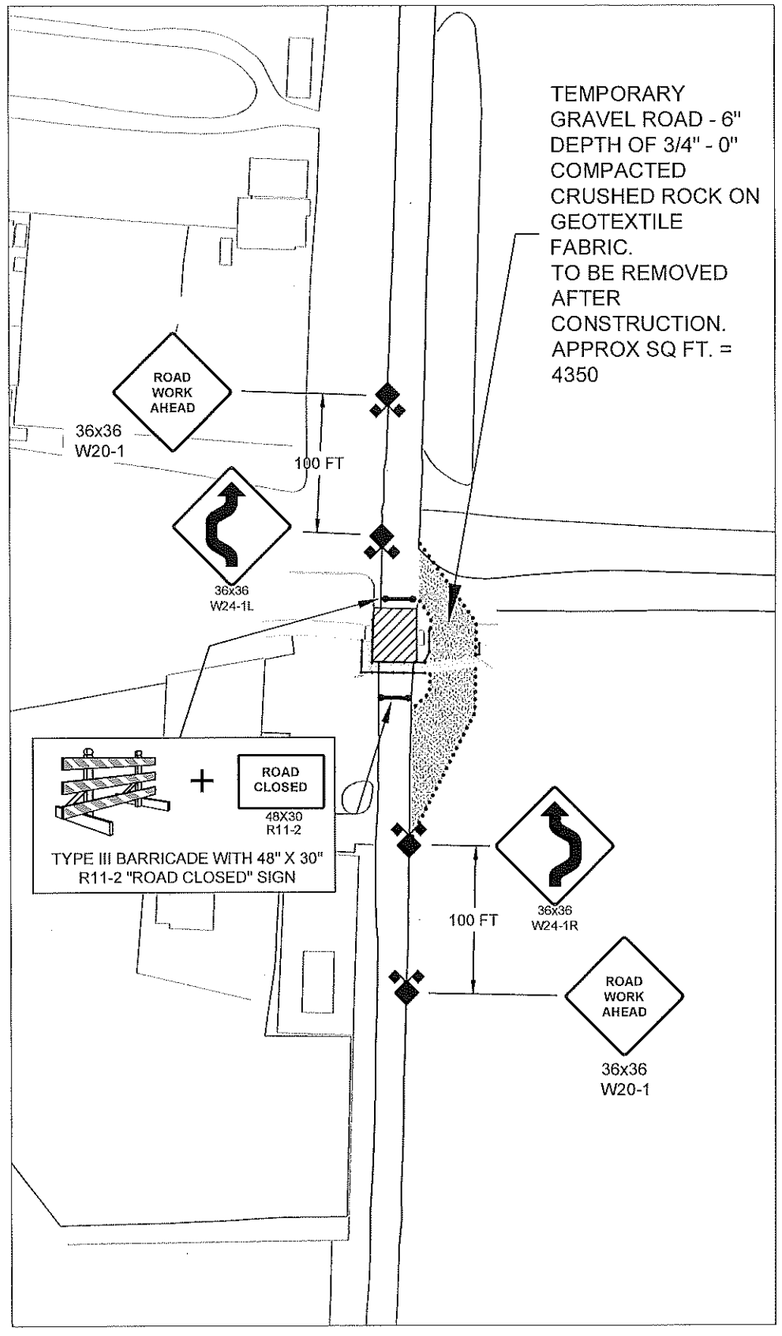
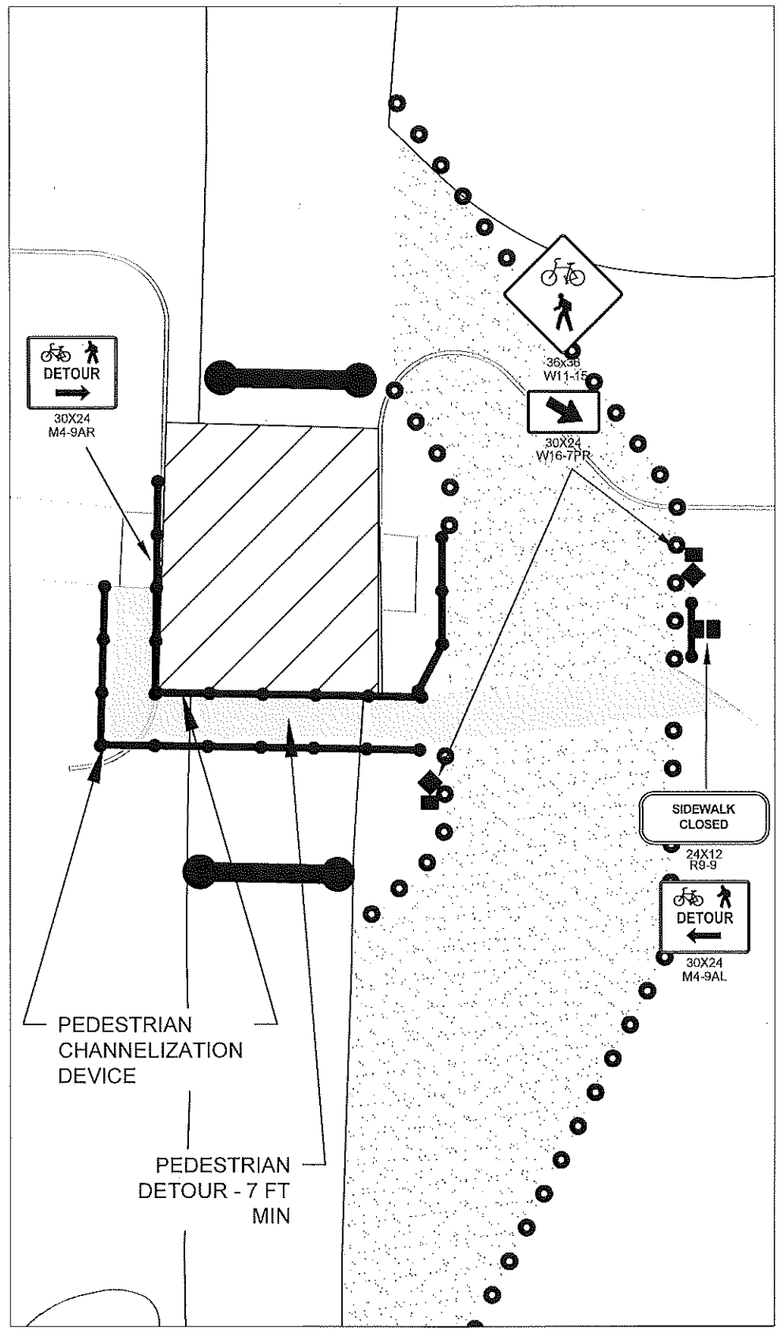


1
E03

TEMPORARY BYPASS ROAD AROUND CLOSED RAISED CROSSING



2
E03

TEMPORARY SIDEWALK DIVERSION AROUND CLOSED RAISED CROSSING

N

TAPER TYPES & FORMULAS	
TAPER	FORMULA
MERGING (LANE CLOSURE)	"L"
SHIFTING	"L"/2 OR 1/2"L"
SHOULDER CLOSURE	"L"/3 OR 1/3"L"
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65	650	780	910	1000	325
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No.	Revision/Issue	Date

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BRIAN F. BARNETT
4-21-22

EXP DATE: 12-31-2023

TEMPORARY TRAFFIC CONTROL DETAILS

NO SCALE

DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET **E03** OF **15**

April 6, 2022

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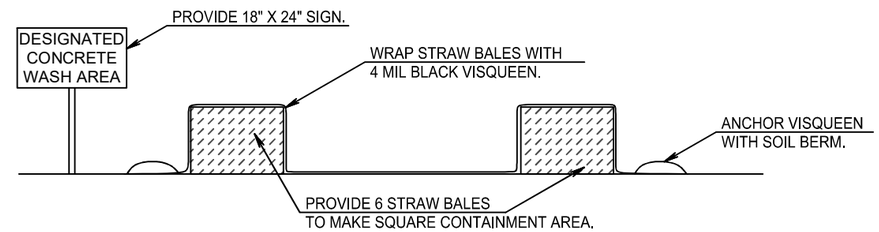
NOTES:

1. PLACE INLET/CATCH BASIN PROTECTION AT EXISTING FIXTURES (SEE DETAILS ON SHEET F02.)

GENERAL NOTES:

1. CONCRETE WASHOUTS ARE NOT PROVIDED ON THIS PROJECT
2. SAW CUTTING SLURRY IS TO BE VACUMED
3. ANY AREAS OF EXPOSED SOILS. INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30) SHALL BE IMMEDIATELY STABILIZED WITH AN APPROVED ESC METHOD (SEEDING & MULCHING WITH STRAW, BARK, COMPOST, OR PLASTIC COVERING, ETC.).



1 / F01 CONCRETE WASH AREA DETAIL

NOT TO SCALE

EROSION CONTROL STANDARD NOTES:

A. Approval of this Erosion and Sedimentation Control Plan (ESCP) does not constitute an approval of permanent road or drainage design (e.g., size and location of roads, pipes, restrictors, channels, retention facilities, utilities, etc.).

B. Approval of this ESCP does not relieve the permit holder and or the contractor from all other permitting requirements. Prior to beginning construction activities, all other necessary approvals shall be obtained.

C. An inspection of the erosion control measures by City LDAP staff is required prior to any ground disturbance on the site.

D. The erosion and sediment control measures shown on the plan are the minimum requirements for anticipated site conditions. During the construction period, these measures shall be upgraded as needed for unexpected storm events and to ensure that sediment and sediment-laden water does not leave the site.

E. The implementation of the ESCP and the construction, maintenance, replacement, and upgrading of the erosion and sediment control measures is the responsibility of the permit holder and or the contractor until all construction is completed and accepted by the City and vegetation/landscaping is established per the required warranty period.

F. In the event the ESC facilities identified on the ESCP are not functioning properly, the contractor is responsible for immediately implementing changes to the ESCP as directed by the ESCP engineer or his inspector. The engineer, his inspector or the City may stop all construction activity on site until the erosion problem is corrected and all ESC facilities are functioning properly. If the contractor does not immediately implement changes to the ESCP identified by the ESCP engineer or his inspector, the City may implement the necessary changes and require payment from the contractor prior to project acceptance by the City.

G. The boundaries of the clearing limits shown on this plan shall be clearly flagged in the field by the engineer prior to construction. During the construction period, no disturbance beyond the flagged clearing limits shall be permitted. The flagging shall be maintained by the permit holder and or the contractor for the duration of construction.

H. The erosion and sediment control measures on active sites shall be inspected and maintained daily and within the 24 hours after any storm event of greater than 0.5 inches of rain per 24 hour period. Measures shall be inspected by the permit holder and or the contractor after each rainfall and at least daily during prolonged rainfall. Any required repairs or adjustments shall be made immediately. The erosion and sediment control measures on inactive sites shall be inspected a minimum of once every two (2) weeks or within 48 hours following a storm event. Written records shall be kept of weekly reviews of the ESC facilities during the wet season (October 1 to April 30) and of monthly reviews during the dry season (May1 to September 30).

I. All erosion and sediment control measures shall be protected from damage at all times. Control measures shall remain in place until permanent or temporary re-vegetation has been stabilized. Any measure that is damaged or destroyed shall be repaired or replaced immediately.

J. Any areas of exposed soils, including roadway embankments, that will not be disturbed for two days during the wet season (October 1 to April 30) or seven days during the dry season (May 1 to September 30) shall be immediately stabilized with an approved ESC method (seeding & mulching with straw, bark, compost, or plastic covering, etc.).

K. A supply of materials necessary to meet compliance and implement the LDAP or other best management erosion practices under all weather conditions shall be maintained at all times on the construction site.

L. No hazardous substances, such as paints, thinners, fuels and other chemicals shall be released onto the site, adjacent properties, or into water features, the City's storm water system, or related natural resources.

M. Street sweeping shall be performed as needed or when directed by the City inspector to ensure public right-of-ways are kept clean and free of debris. Street flushing is prohibited.

N. When trucking saturated soils from the site, either water-tight trucks shall be used or loads shall be drained on site until dripping has been reduced to no more than one gallon per hour. Sediment laden water will not be allowed to enter the storm water system

O. Extracted ground water from excavated trenches shall be disposed of in a suitable manner without damage to adjacent property, public storm water system, water features, and related natural resources. Approval of a dewatering system does not guarantee that it will meet compliance or be acceptable for use in all situations. Modifications to the dewatering system will be required if compliance can not be met. At no time will sediment laden water be allowed to leave the construction site.

P. At no time shall more than one foot of sediment be allowed to accumulate within a catch basin. All catch basins and conveyance lines shall be cleaned prior to paving. The cleaning operation shall not flush sediment laden water into the downstream system.

Q. Any required stabilized construction entrances and roads shall be installed at the beginning of construction and maintained for the duration of the project. Additional measures, such as wash pads, may be required to ensure that all paved areas are kept clean for the duration of the project.

R. Any permanent flow control facility used as a temporary settling basin shall be modified with the necessary erosion control measures and shall provide adequate storage capacity.

S. Where straw mulch for temporary erosion control is required, it shall be applied at a minimum thickness of two to three inches.

T. In preparation of the wet season, all disturbed areas shall be reviewed to identify which ones can be seeded in preparation for the winter rains. A sketch map of those areas to be seeded and those areas to remain uncovered shall be submitted to the City by September 15. The City can require seeding of additional areas in order to protect surface waters, adjacent properties, or drainage facilities. Disturbed areas identified for seeding shall be seeded prior to the beginning of the wet season (October 1).

No.	Revision/Issue	Date

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SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H Jones
DN: OU=PE, O=Oregon, dnQualifier=A01410D000001FFFAE92080001A58B, CN=Jesse H Jones
Reason: I am approving this document
Location: City of Springfield
Date: 2022-04-06 11:07:11
Foxit PDF Reader Version: 9.7.1

EXP DATE: 06-30-2023

EROSION AND SEDIMENT CONTROL DETAILS

NO SCALE

DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET F01 OF 15

April 6, 2022

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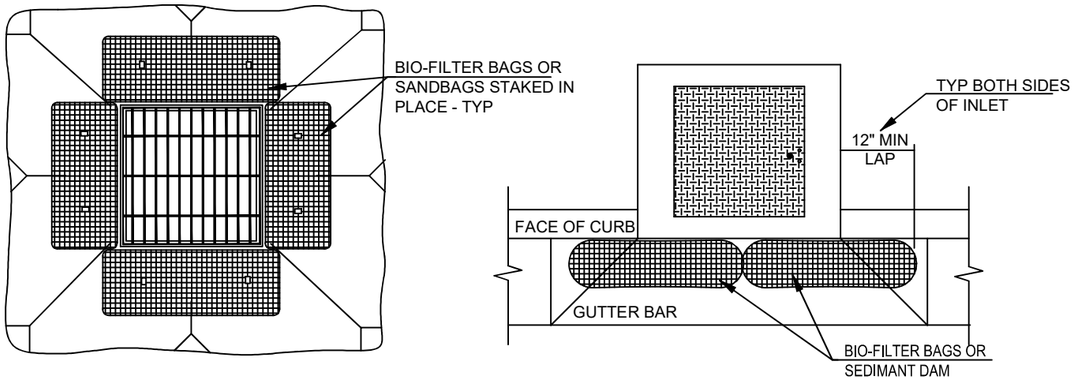
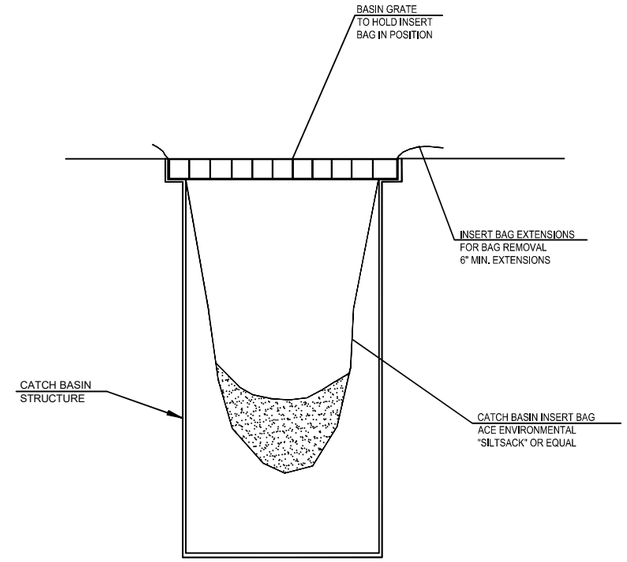


NOTES
1. PRIOR TO 1st PAVEMENT LIFT, REMOVE BIO-BAG/SANDBAG BARRIERS AND INSTALL BASIN INSERT BAG OR CURB INLET SEDIMENT DAM AT ALL INLET STRUCTURES.

1 / F02 DRAINAGE INLET STRUCTURE PROTECTION

NOT TO SCALE



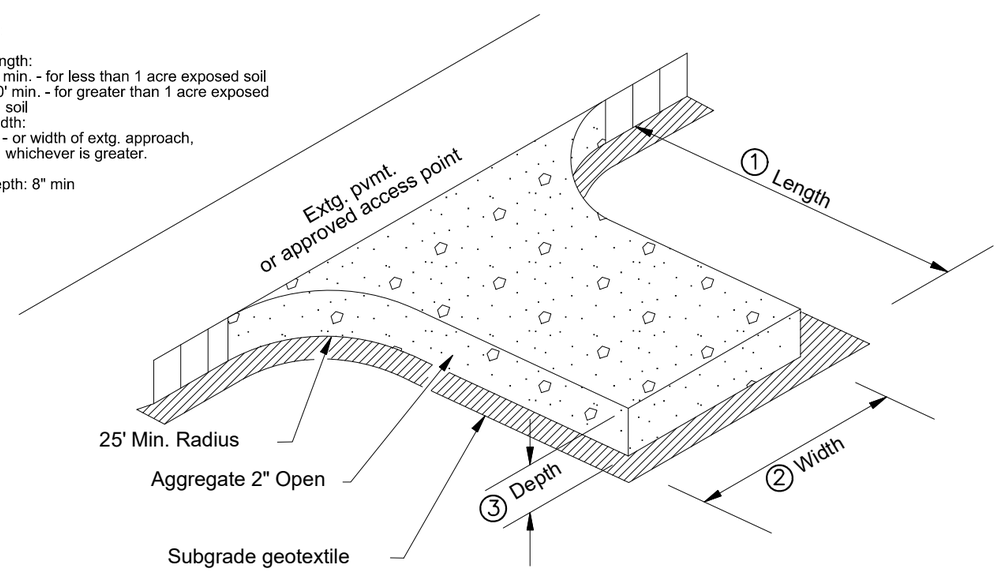
2 / F02 CATCH BASIN INSERT BAG

NOT TO SCALE

INLET PROTECTION

Notes:

1. Length:
   50' min. - for less than 1 acre exposed soil
   100' min. - for greater than 1 acre exposed soil
2. Width:
   20' - or width of extg. approach, whichever is greater.
3. Depth: 8" min



3 / F02 CONSTRUCTION ENTRANCE

NOT TO SCALE

No.	Revision/Issue	Date

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SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H Jones
DN: C=US, O=Oregon, dnQualifier=A0141D0000001FFFAE92080001A58B, CN=Jesse H Jones
Reason: I am approving this document
Location: City of Springfield
Date: 2022-04-06 11:07:48
Foxit PDF Reader Version: 9.7.1

EXP DATE: 06-30-2023

EROSION AND SEDIMENT CONTROL DETAILS

NO SCALE

DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET F02 OF 15

April 6, 2022

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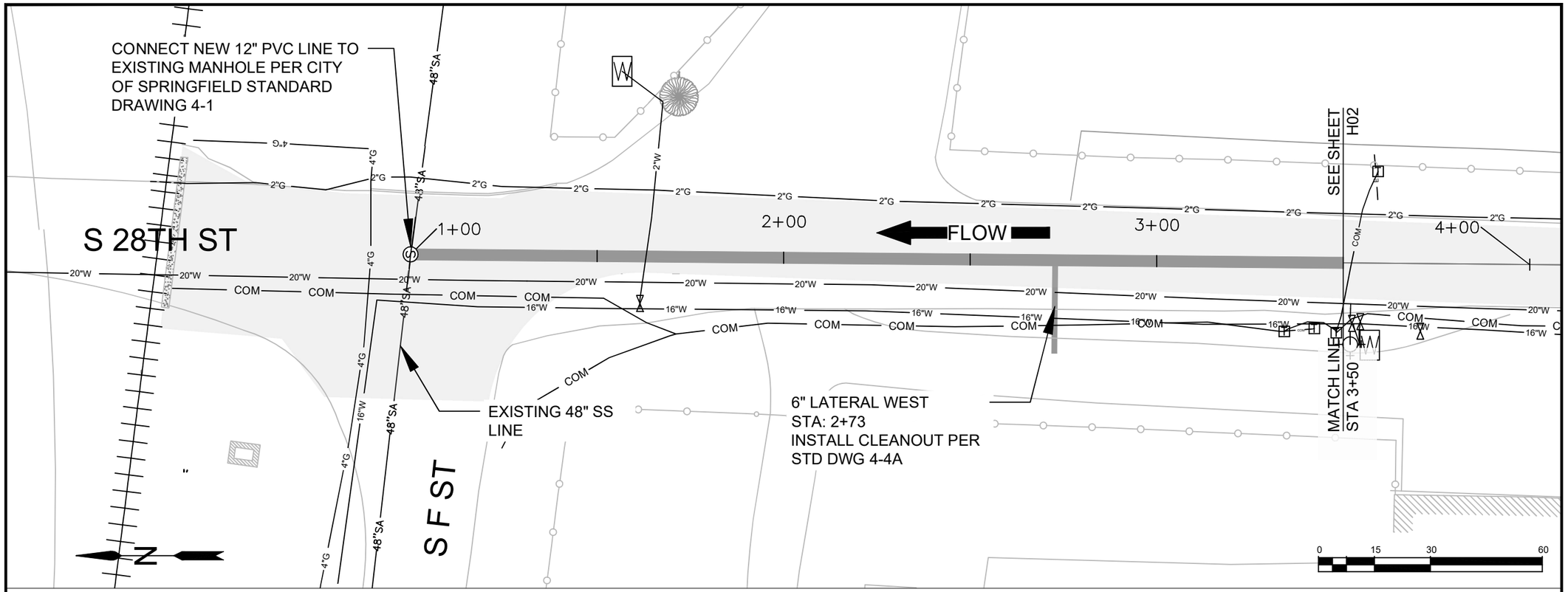

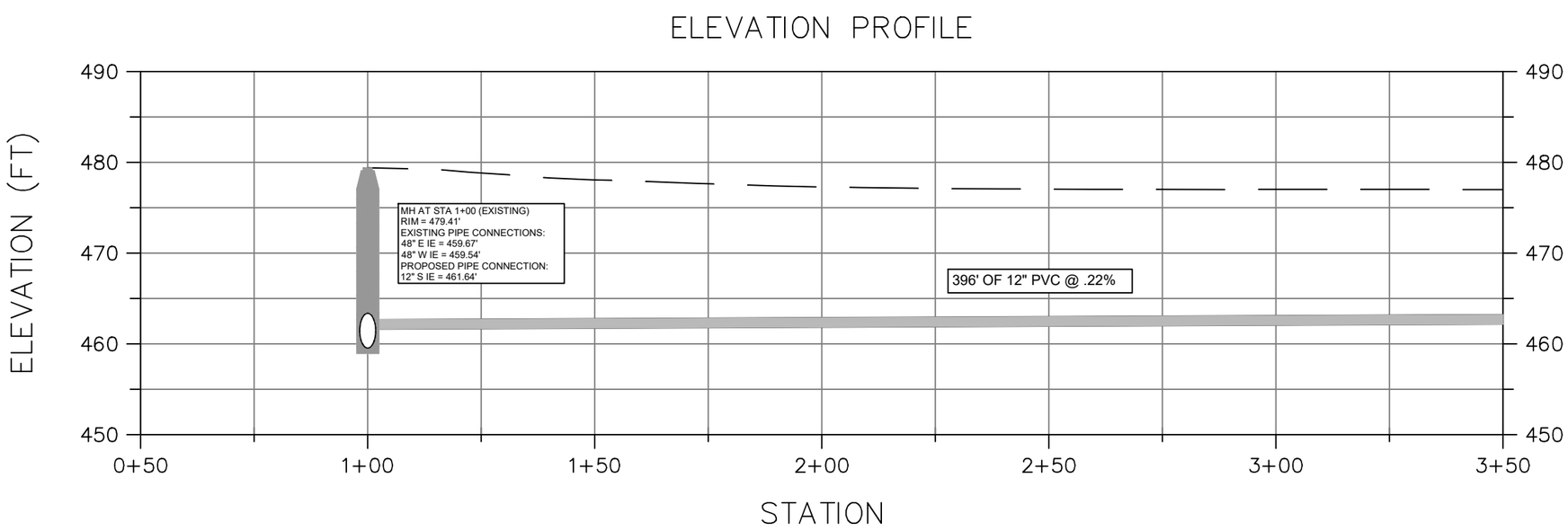

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DN: c=US, o=Oregon, ou=Cities=A0141D0000001FFFAE9208000105BB, cn=Jesse H Jones
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Location: City of Springfield
Date: 2022.04.06 11:08:24 -07'00'
Foxit PDF Reader Version: 9.7.1

EXP DATE: 06-30-2023

SANITARY SEWER LINE PLAN SHEETS

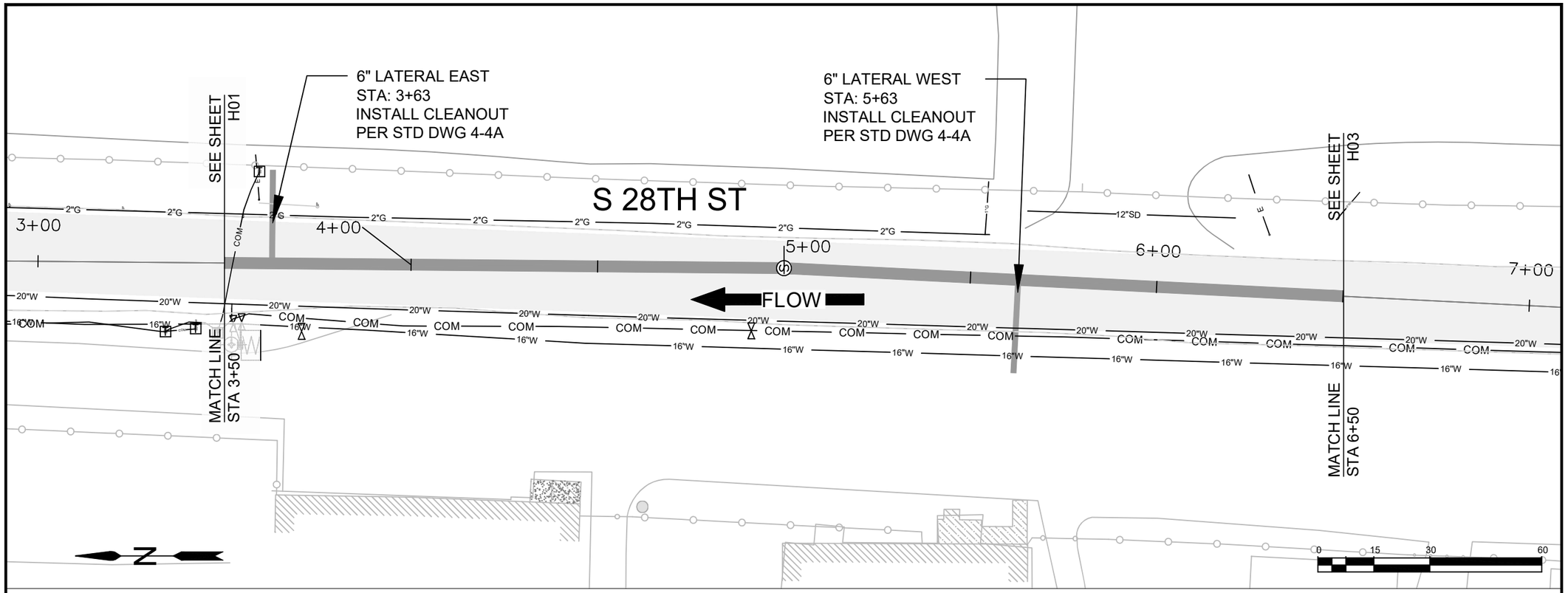
SCALE: 1" = 30'

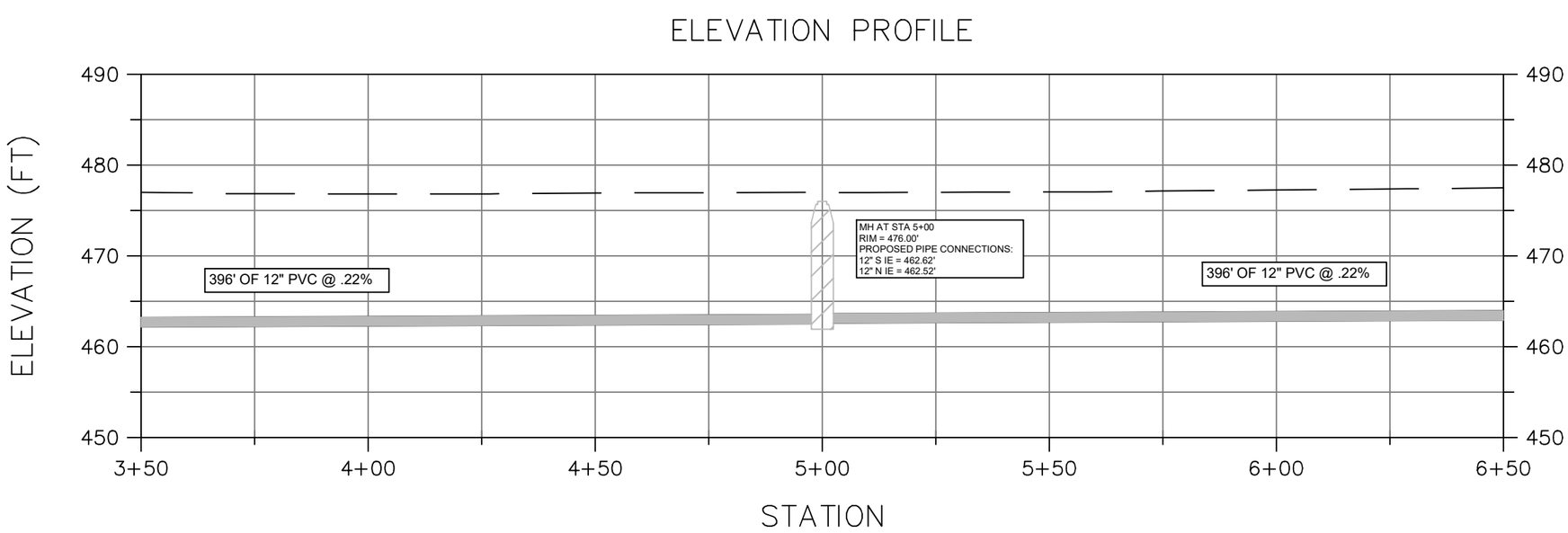
DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET H01 OF 15

April 6, 2022

C:\Users\tgreen\City Of Springfield, OR\DPW-CMD-Engineering - Capital Projects\Projects Folders\SEWER - WASTE\P21166 S. 28th St Sanitary Sewer Extension\02 - Design\Eng Tech Working Folder\P21166 H Sheets.dwg





No.	Revision/Issue	Date

811 Know what's below. Call before you dig.

UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING UTILITY LOCATIONS PRIOR TO BEGINNING OF CONSTRUCTION. THESE PLANS MAY NOT SHOW ALL UTILITIES OR THE CORRECT LOCATIONS.

Project P21166
S. 28TH STREET SANITARY SEWER EXTENSION

City of Springfield
PUBLIC WORKS / ENGINEERING
225 FIFTH STREET, SPRINGFIELD, OR 97477
PHONE (541) 726-3753 FAX (541) 726-3689
INTERNET www.springfield-or.gov

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H. Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H. Jones
DN: C=US, O=Oregon, dnQualifier=A01410D000001FFFFAE920B0001A588, CN=Jesse H Jones
Reason: I am approving this document
Location: City of Springfield
Date: 2022-04-06 11:08:56
Foxit PDF Reader Version: 9.7.1

EXP DATE: 06-30-2023

SANITARY SEWER LINE PLAN SHEETS

SCALE: 1" = 30'

DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET H02 OF 15

April 6, 2022

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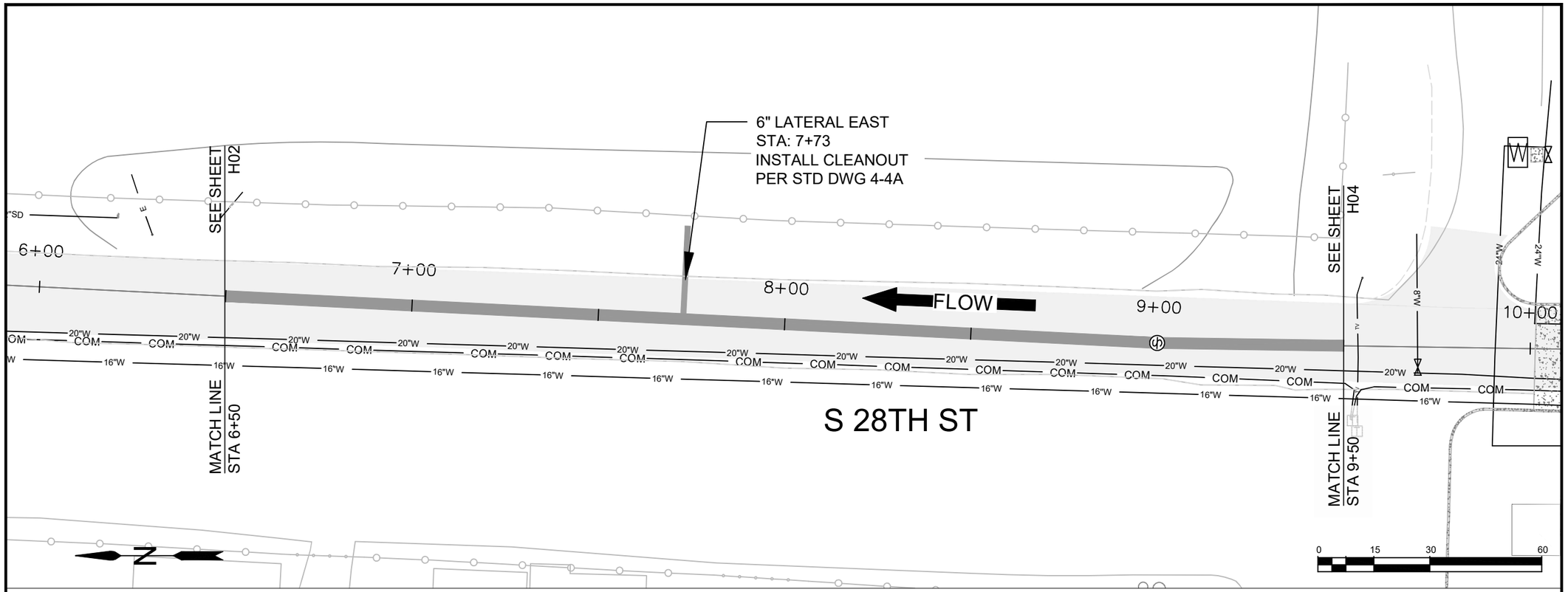

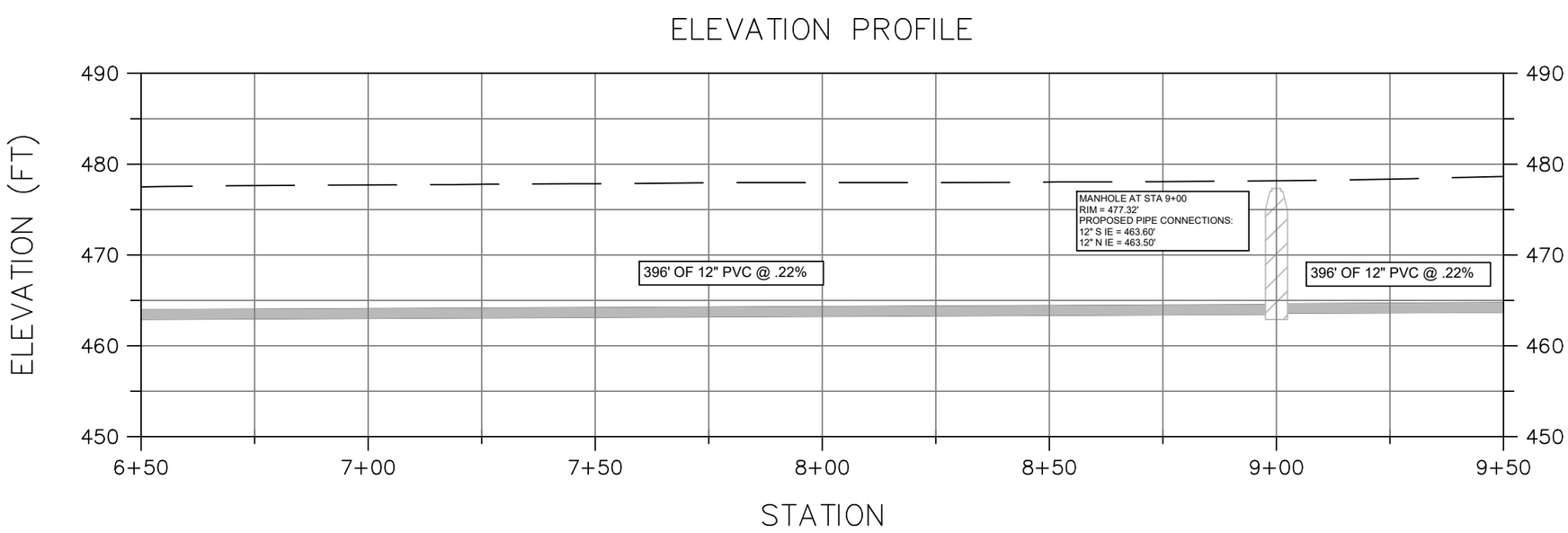

No.	Revision/Issue	Date

811
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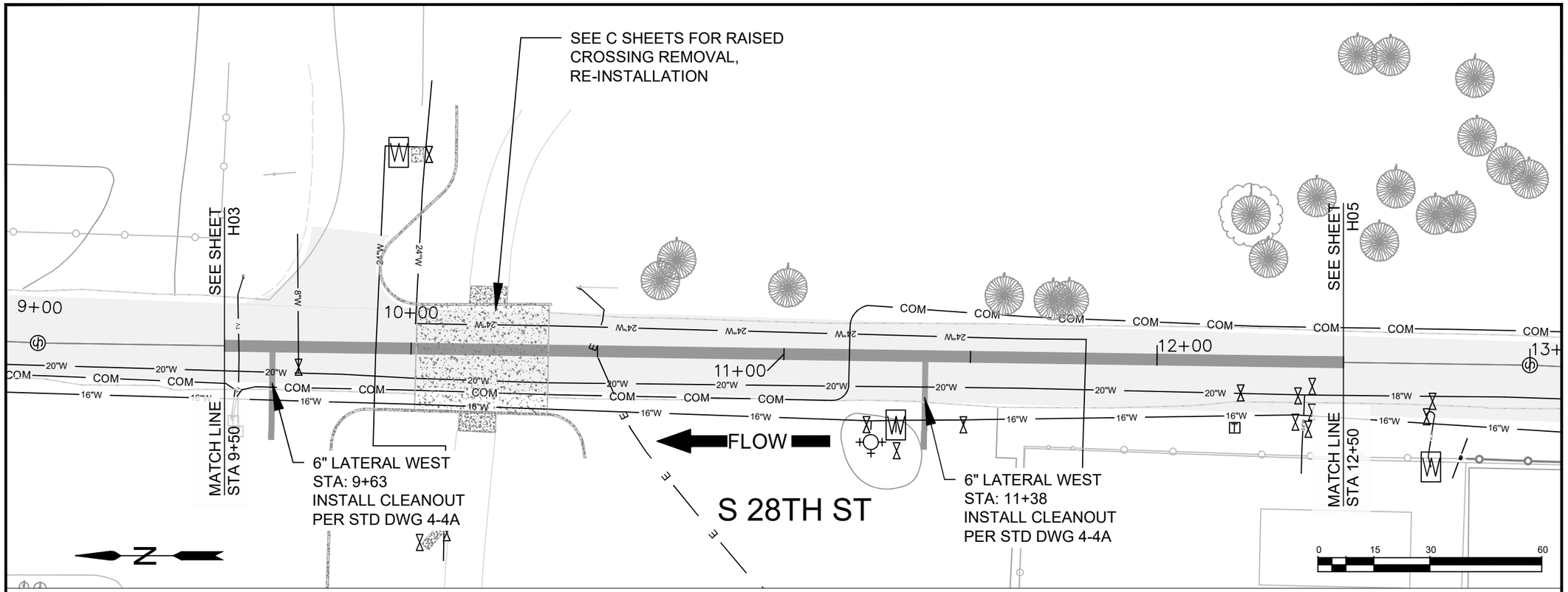
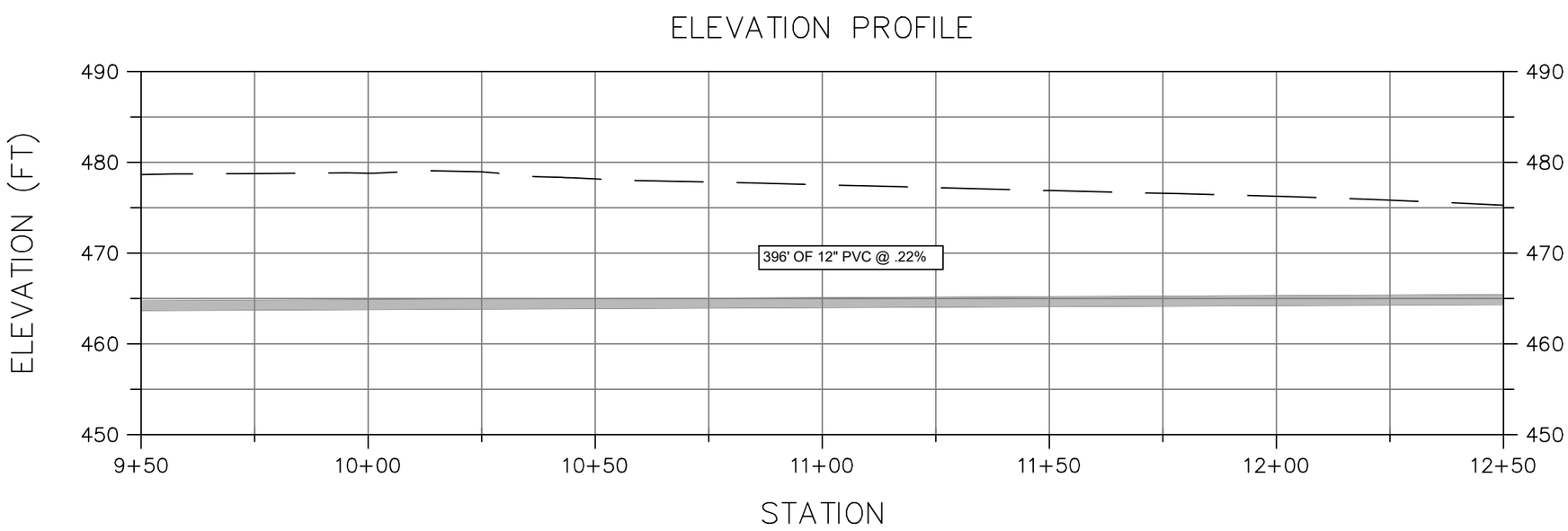
SPRINGFIELD OREGON

REGISTERED PROFESSIONAL ENGINEER
67041PE
Jesse H Jones
OREGON
JUNE 11, 2008
JESSE H. JONES

Digital signature by Jesse H Jones
DN: C=US, O=Oregon, ST=Oregon, L=Springfield, 2.5.4.42=2A8648863F6492CD010101010B0B0B0





No.	Revision/Issue	Date

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Jesse H Jones
67041PE
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H Jones
DN: C=US, O=Oregon, dnQualifier=A0141D0000017FFFAE920B0001A58B, CN=Jesse H Jones
Reason: I am approving this document
Location: City of Springfield
Date: 2022-04-06 11:10:22
Foxit PDF Reader Version: 9.7.1

EXP DATE: 06-30-2023

SANITARY SEWER LINE PLAN SHEETS

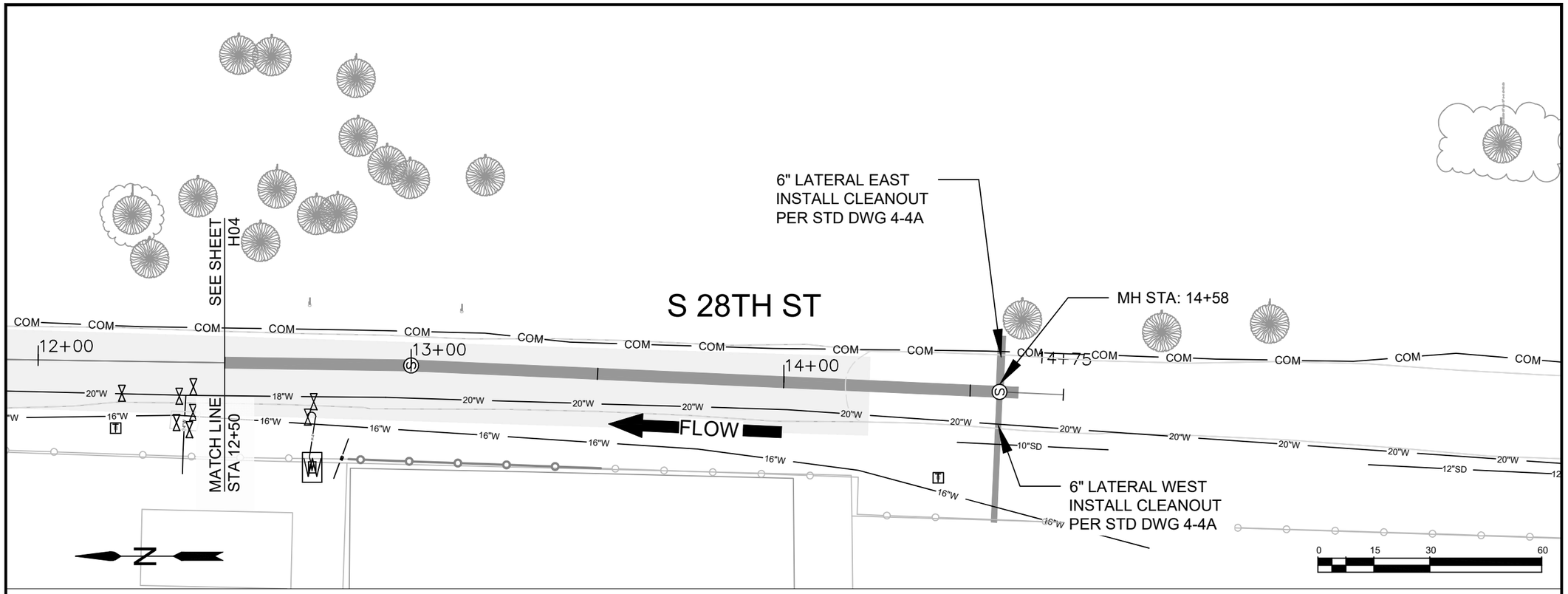
SCALE: 1" = 30'

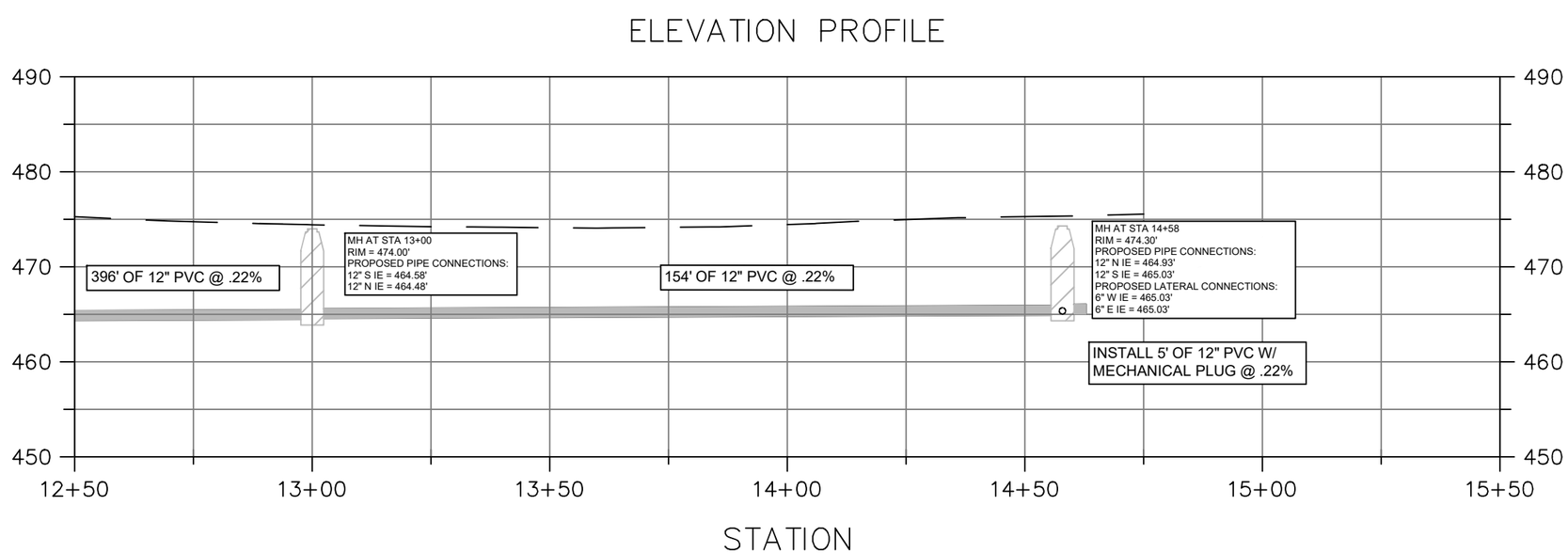
DRAWN BY:	T. GREEN
DESIGNED BY:	J. JONES
CHECKED BY:	J. PASCHALL

SHEET H04 OF 15

April 6, 2022

C:\Users\tgreen\City Of Springfield, OR\DPW-CMD-Engineering - Capital Projects\Projects Folders\SEWER - WASTE\P21166 S. 28th St Sanitary Sewer Extension\02 - Design\Eng Tech Working Folder\P21166 H Sheets.dwg





No.	Revision/Issue	Date

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Project P21166 S. 28TH STREET SANITARY SEWER EXTENSION

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REGISTERED PROFESSIONAL ENGINEER
Jesse H Jones
67041PE
OREGON
JUNE 11, 2008
JESSE H. JONES

Digitally signed by Jesse H Jones
DN: CN=JS, O=Oregon, dnQualifier=A01410D000001 7FFFAE920B0001A5E B, CN=Jesse H Jones
Reason: I am approving this document
Location: City of Springfield
Date: 2022-04-06 11:10:59
Foxit PDF Reader Version: 9.7.1

EXP DATE: 06-30-2023

SANITARY SEWER LINE PLAN SHEETS

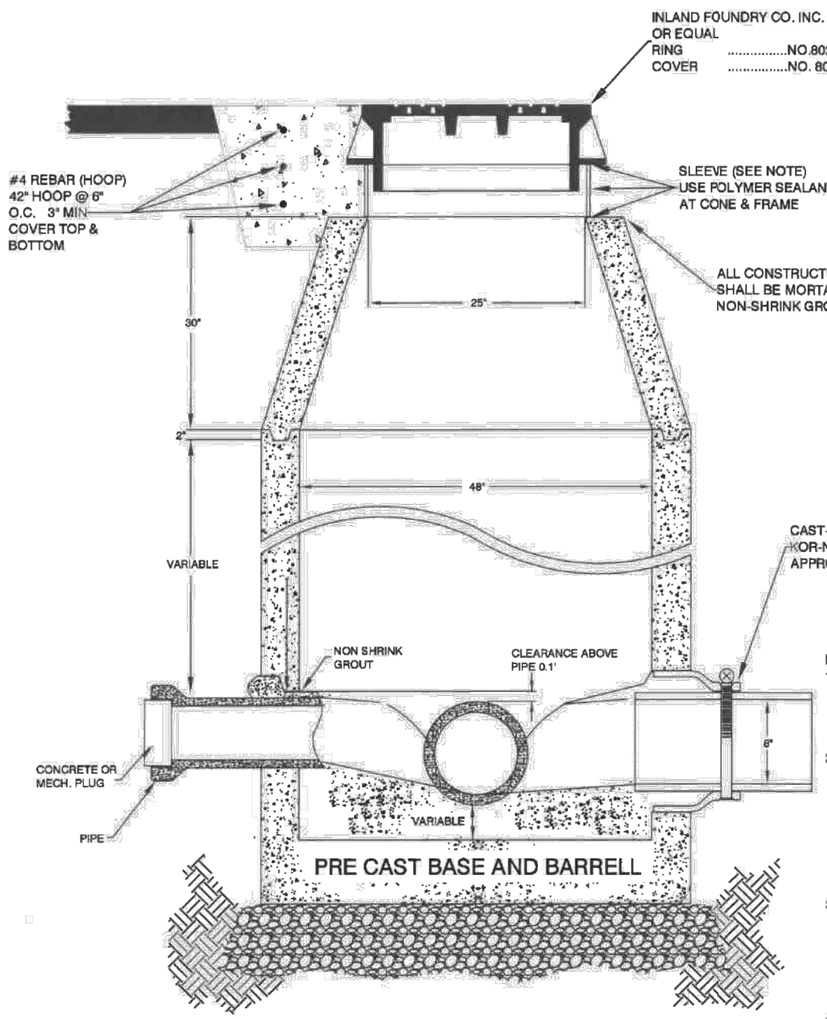
SCALE: 1" = 30'

DRAWN BY:	*T. GREEN*
DESIGNED BY:	*J. JONES*
CHECKED BY:	*J. PASCHALL*

SHEET H05 OF 15

April 6, 2022

C:\Users\tgreen\City Of Springfield, OR\DPW-CMD-Engineering - Capital Projects\Projects Folders\SEWER - WASTE\P21166 S. 28th St Sanitary Sewer Extension\02 - Design\Eng Tech Working Folder\P21166 H Sheets.dwg



NOTES:

1. ALL PIPE CONNECTIONS TO MANHOLES SHALL BE CORE DRILLED UP TO 12".
2. ALL PIPE CONNECTIONS GREATER THAN 12" SHALL BE CONNECTED AS DIRECTED BY (CITY) ENGINEER IN THE FIELD, OR, BY STAMPED DRAWING APPROVED BY THE CITY ENGINEER.
3. SLEEVE: USE APPROVED POLYMER SEALANT MATERIAL. PREFERRED 27"PVC, HDPE OR OTHER AS APPROVED BY ENGINEER.
4. SEE STD DWG 4-1A FOR FRAME ADJUSTMENT DETAIL.

REGISTERED PROFESSIONAL ENGINEER
54699PE
OREGON
JULY 15, 2003
JEFFREY ALAN PASCHALL
EXP DATE: 12-31-2022

SPRINGFIELD OREGON

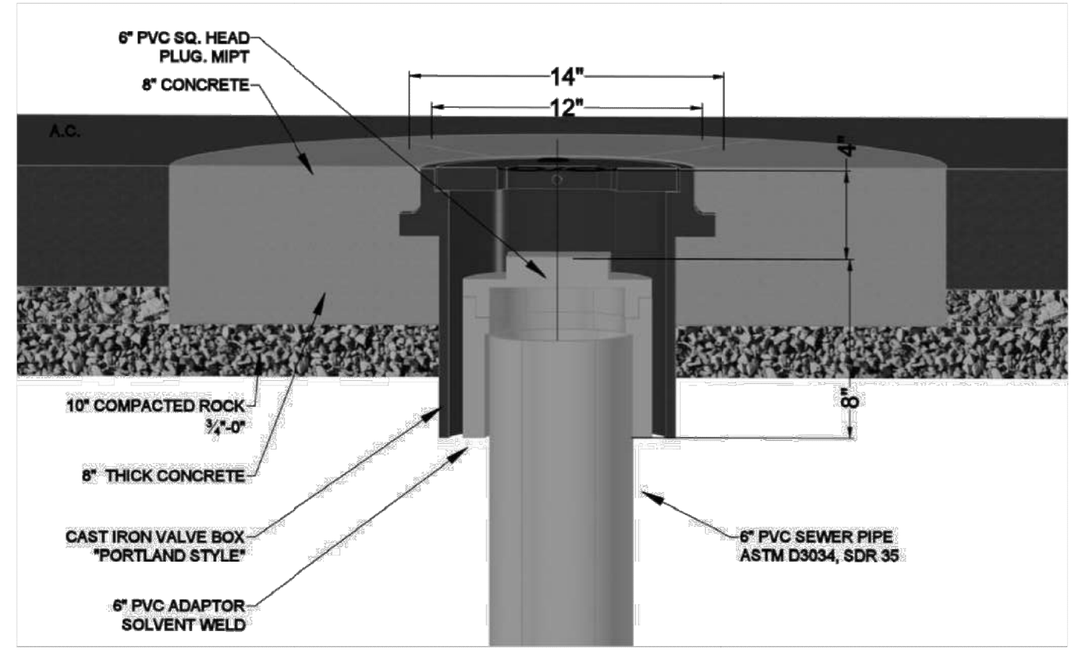
STANDARD MANHOLE

NO	REVISION	DATE	BY	APPR.
1	CITY DWG. 4-1	01/2/22	BJ	

STANDARD DRAWING
4-1
2022

C:\Users\bjabusch\City Of Springfield, OR\DPW-CMD-Engineering - Capital Projects\Projects Folders\LIBRARY\STANDARD DWGS\4-1\2022 Update\4-1 2022 Update.DWG

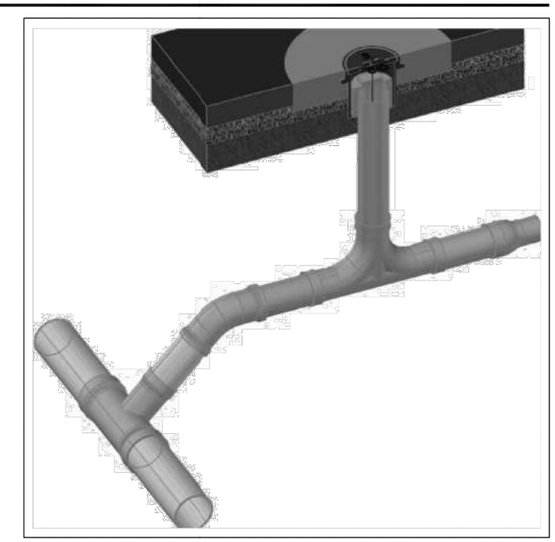
January 28, 2022



SEWER CLEANOUT SURFACE DETAIL

NOTES:

1. VALVE BOXES SHALL BE CENTERED DIRECTLY OVER THE STANDPIPE IN A VERTICAL POSITION.
2. THE VALVE BOX TOP SHALL BE ADJUSTED TO MEET THE FINISHED GRADE.
3. PVC PIPE SHALL BE ONE CONTINOUS PIECE WITH NO BELLS OR COUPLERS.



2 WAY SEWER CLEANOUT DETAIL

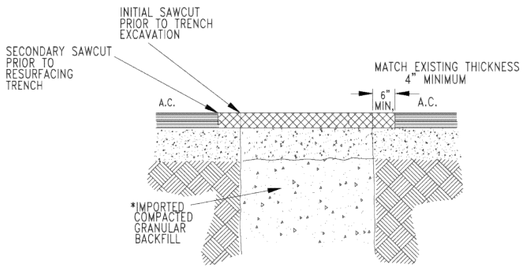
NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
SPRINGFIELD
DEPT. OF PUBLIC WORKS

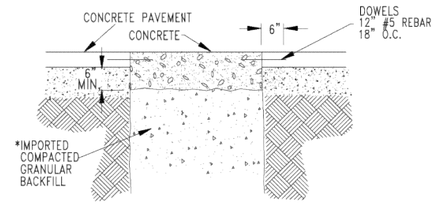
SEWER CLEANOUT DETAIL
R.O.W. PAVED SURFACE

Jeff Paschall City Engineer 2016

STANDARD DRAWING
4-4a
2016

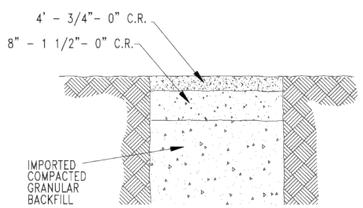


T – A
ASPHALT PAVED STREETS

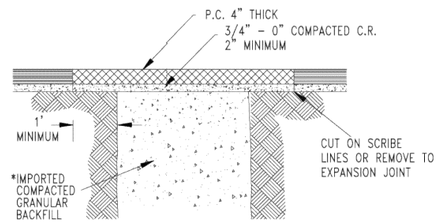


*CUTS CROSSING THE STREET OR WITHIN THE TRAVEL LANES MUST BE BACKFILLED WITH CONTROLLED DENSITY FILL (CDF)

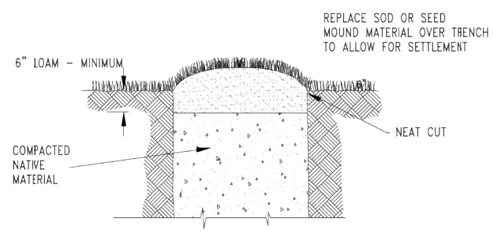
T – B
CONCRETE PAVED STREETS



T – C
UNPAVED STREETS AND ALLEYS



T – D
SIDEWALK AREAS



T – E
UNTRAVELED AREAS (LAWN)

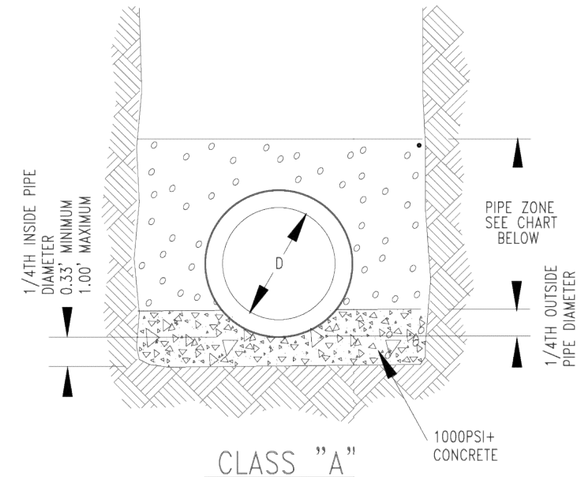
NOTES:
1 ALL A.C. AND P.C. SURFACES SHALL BE SAWCUT
2 GRANULAR MATERIAL AS DIRECTED BY THE ENGINEER
3 CONSTRUCT PIPE BEDDING AS SHOWN ON STD. DWG. 4–1
4 SEE SPECIFICATIONS, SECTION 405, BACKFILL: NATIVE AND IMPORTED

NO	REVISION	DATE	BY	APPR.

CITY OF SPRINGFIELD
DEPT. OF PUBLIC WORKS
225 FIFTH STREET
SPRINGFIELD, OR. 97477

SURFACE RESTORATION OVER TRENCH EXCAVATION

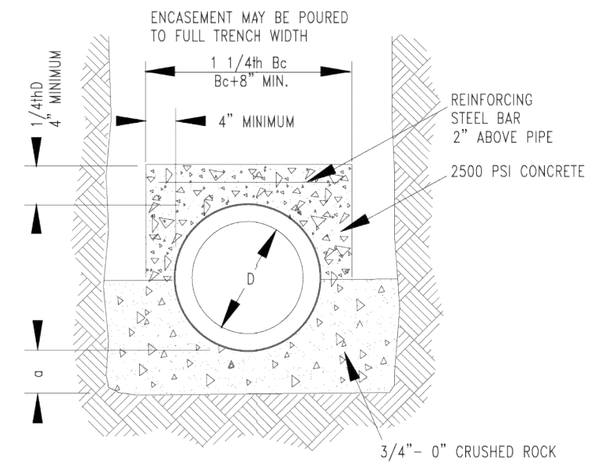
STANDARD DRAWING
4–16



CLASS "A"
LOAD FACTOR 3.0

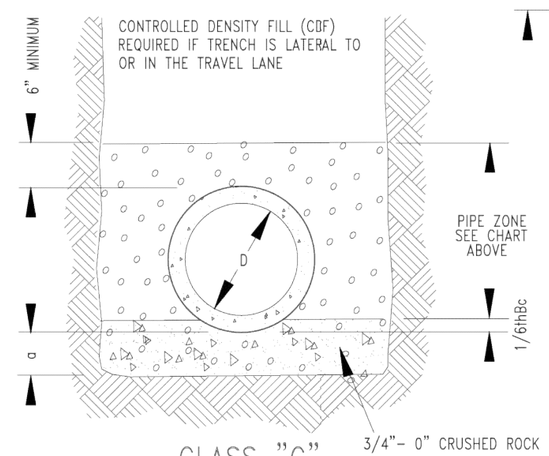
PIPE ZONE MATERIAL SHALL BE:

SANITARY SEWER	STORM SEWER
TIGHT JOINT PIPE PLASTIC PIPE	OPEN JOINTED PIPE PERFORATED PIPE
PEA ROCK BLEND SAND CRUSHED ROCK	ROUND ROCK (PEA ROCK) 3/8" MIN. DIAMETER 3/4" MAX. DIAMETER



LOAD FACTORS
REINFORCED P = 1.00% – 4.8
REINFORCED P = 0.40% – 3.4
PLAIN 2.8

CLASS "B"



CLASS "C"

Bc – OUTSIDE DIAMETER OF PIPE
D – NOMINAL PIPE SIZE
a – FILL BELOW PIPE (SEE TABLE)
P – AREA OF TRANSVERSE STEEL IN THE CRADLE OR ARCH EXPRESSED AS A PERCENTAGE OF AREA OF CONCRETE AT INVERT OR CROWN.

TABLE OF FILL DEPTH BELOW PIPE

D	a MINIMUM
0 – 27"	3"
30" – 60"	4"
66" +	6"

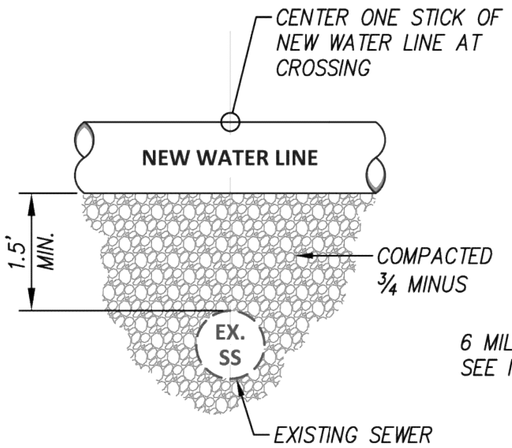
NO	REVISION	DATE	BY	APPR.

FILE: A.DWG

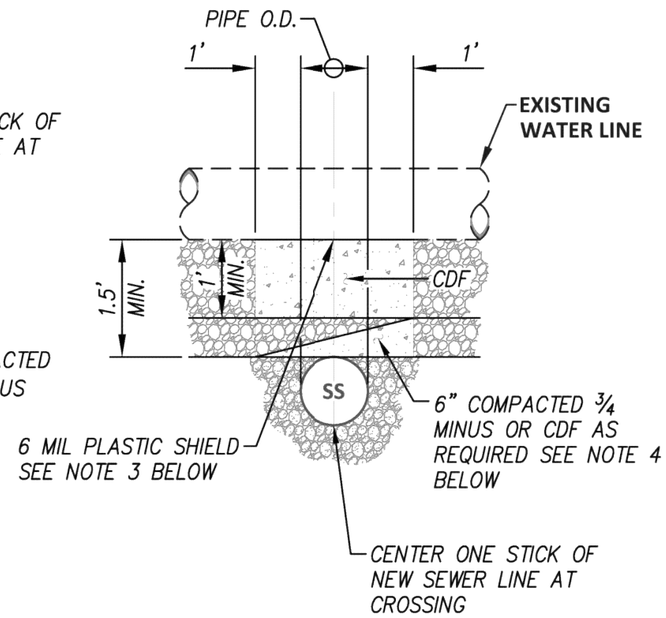
CITY OF SPRINGFIELD
DEPT. OF PUBLIC WORKS
225 FIFTH STREET
SPRINGFIELD, OR. 97477

TYPICAL PIPE ZONE AND PIPE BEDDING

STANDARD DRAWING
4–17



NEW WATER LINE
EXISTING SEWER



EXISTING WATER LINE
NEW SEWER

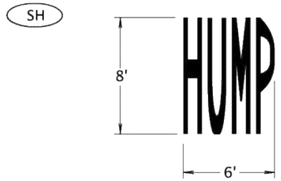
STANDARD DRAWING NOTES:

1. ALL WATER LINE AND SEWER LINE CROSSINGS SHALL CONFORM TO O.A.R. 333-061-0050.
2. SUB WATER ENGINEERING MUST APPROVE OF **ALL** WATER LINE AND SEWER LINE CROSSINGS, REGARDLESS OF ORIENTATION, PRIOR TO CONSTRUCTION.
3. A 6 MIL PLASTIC SHIELD SHALL BE PLACED BETWEEN THE CDF AND THE WATERLINE WITH WHICH IT COMES IN CONTACT.
4. IF THE UTILITY SEPARATION BELOW THE WATER LINE CAN NOT ACCOMMODATE COMPACTION EFFORTS, CDF WILL BE REQUIRED TO FILL THE ENTIRE VOID BETWEEN UTILITIES.

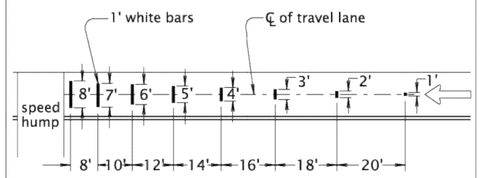
SCALE: N.T.S.	SUB SPRINGFIELD UTILITY BOARD	WATER DIVISION STANDARD DRAWING	DRAWING NUMBER
DRAWN BY: LSB		**WATER LINE INSTALLATION OVER SEWER**	**W1.23.1**
CONSTRUCTION: Cash			
ENGINEERING: KPL			REVISED: 3-25-2021

SPECIFICATION NOTE:

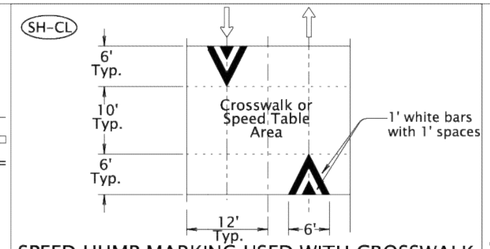
THE SPECIFICATION REFERENCE(S), IF PROVIDED, IN THIS STANDARD ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT BE COMPLETE. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ANY INSTALLATION PERFORMED MEETS THE REQUIREMENTS SET FORTH IN THE STANDARD CONSTRUCTION SPECIFICATIONS AND ANY OTHER APPLICABLE STANDARD.



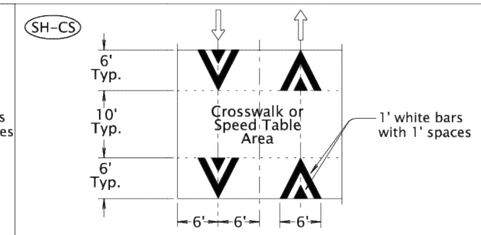
SPEED HUMP (white)
Center marking within lane width.
For letter proportion details, see current version of Standard Highway Signs.



SPEED HUMP ADVANCE WARNING MARKING (white)



SPEED HUMP MARKING USED WITH CROSSWALK LEADING EDGE (white)



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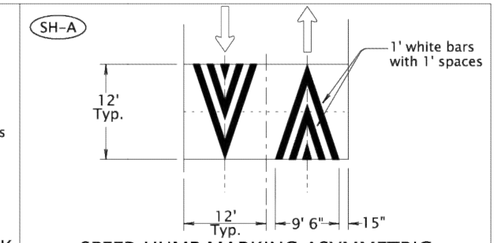

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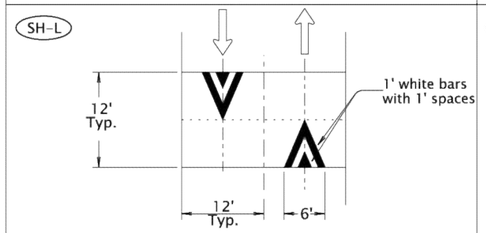

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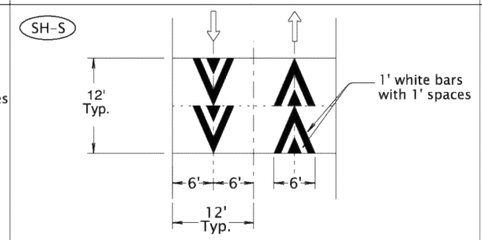
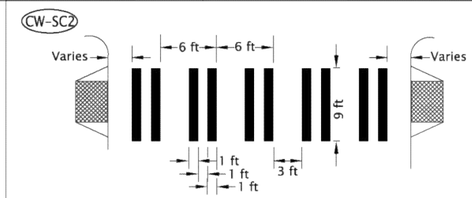
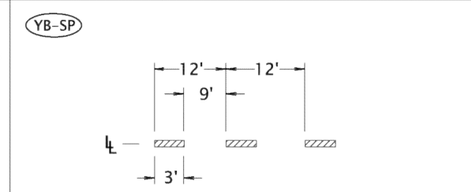


SPEED HUMP MARKING SYMMETRIC LEADING & TRAILING EDGES (white)



STAGGERED CONTINENTAL CROSSWALK
1 ft WHITE BARS
Install per Standard Drawing TM530.



SHARED PATH BROKEN LINE
4" YELLOW LINE
For use on shared-use paths.

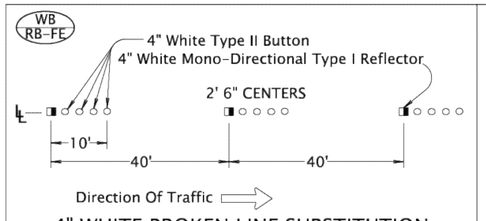
NOTE TO DESIGNERS:

1.) Raised Pavement Marker Substitution details should no longer be used on state highways. Consider durable profiled lines instead.

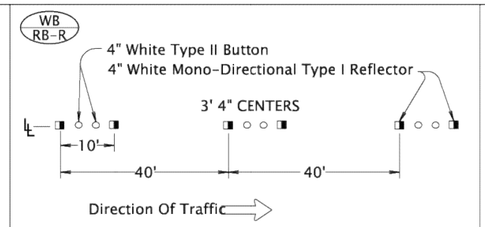
2.) Speed hump markings generally not used on state highway right-of-way.

3.) When continental style crosswalks are to be installed on a project (this may require Region Traffic Engineer approval depending on the situation. See Traffic Line Manual for further information), do not use CW-SC2 in Regions 1 thru 4. Only use CW-SC2 in Region 5 if the region striping manager approves, otherwise use the standard CW-SC shown in Standard Drawing TM503.

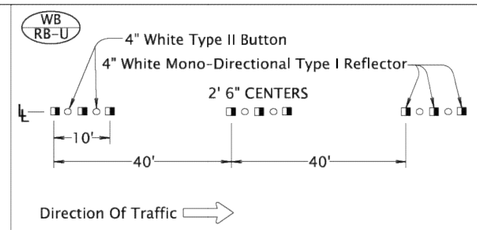
4) Shared Lane Marking should not be used on roadways with a speed limit above 35 mph.



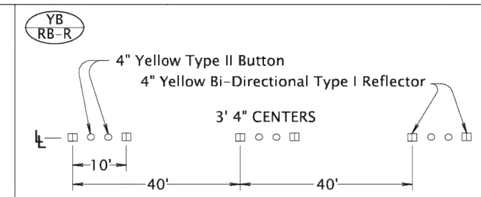
4" WHITE BROKEN LINE SUBSTITUTION REFLECTOR/BUTTON (for freeways & expressways)



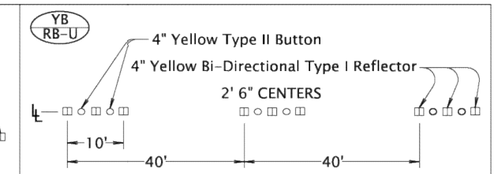
4" WHITE BROKEN LINE SUBSTITUTION REFLECTOR / BUTTON (for rural highways)



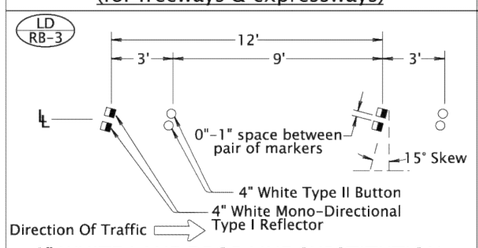
4" WHITE BROKEN LINE SUBSTITUTION REFLECTOR / BUTTON (for urban highways)



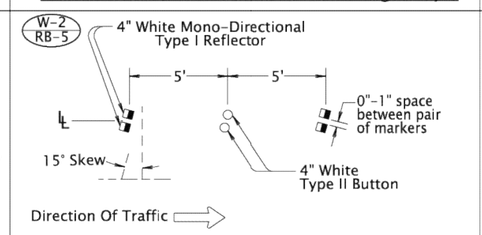
4" YELLOW BROKEN LINE SUBSTITUTION REFLECTOR / BUTTON (for rural highways)



4" YELLOW BROKEN LINE SUBSTITUTION REFLECTOR / BUTTON (for urban highways)



8" WHITE LANE DROP LINE SUBSTITUTION REFLECTOR / BUTTON



8" WHITE LINE SUBSTITUTION REFLECTOR / BUTTON

General note:

1.) Surface mount Raised Pavement Markers (RPMs) unless otherwise specified.

LEGEND

⇦ Direction Of Travel, Increasing Stationing Or Thru Traffic Side.

℄ Lane line dimensions are shown on the striping plans.

◘ Mono-directional crystal white marker reflects white to the left in this symbol

◫ Bi-directional yellow marker reflects yellow both left and right in this symbol

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

OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

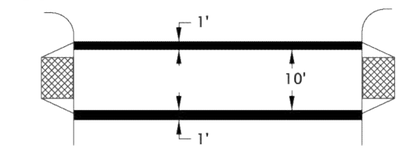
PAVEMENT MARKING DETAIL BLOCKS

DETAIL NO.
DET4560

DET4560.dgn 30-OCT-2019

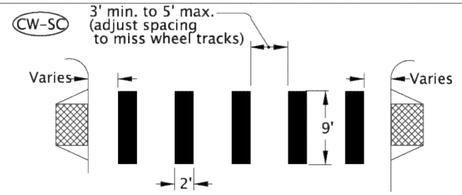
DET4560

CW



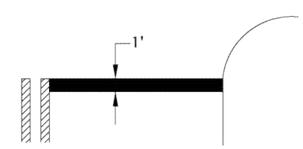
STANDARD CROSSWALK
TWO 1' WHITE BARS
Install per Standard Drawing TM530

CW-SC



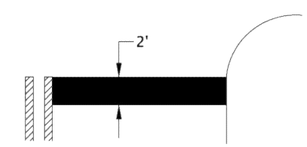
STAGGERED CONTINENTAL CROSSWALK
2' WHITE BARS
Install per Standard Drawing TM530

S



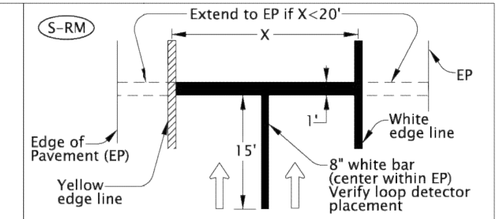
STOP BAR
1' WHITE BAR
Install per Standard Drawing TM530

S-2



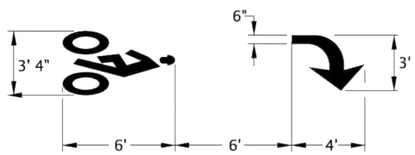
STOP BAR - LARGE
2' WHITE BAR
Install per Standard Drawing TM530

S-RM



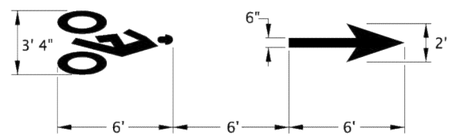
RAMP METER STOP BAR
1' & 8" WHITE BARS
For multi-lane ramp meter applications

BR



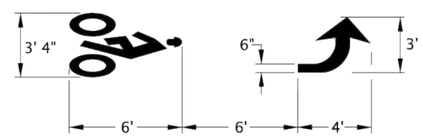
BIKE RIGHT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

BS



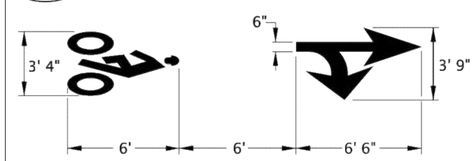
BIKE LANE STANDARD STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

BL



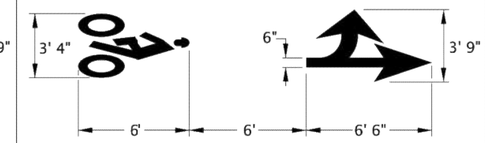
BIKE LEFT TURN STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

BRS



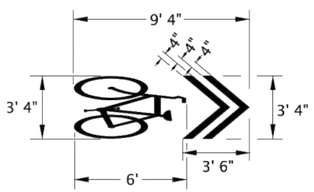
BIKE RIGHT TURN STRAIGHT STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

BLS



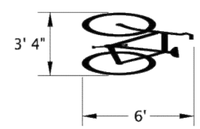
BIKE LEFT TURN STRAIGHT STENCIL (white)
Center marking within lane width
For proportion details, see current version of Standard Highway Signs

SLM



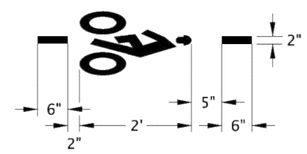
SHARED LANE MARKING (white)
Center marking within lane width or as shown
For proportion details, see current version of Standard Highway Signs

B



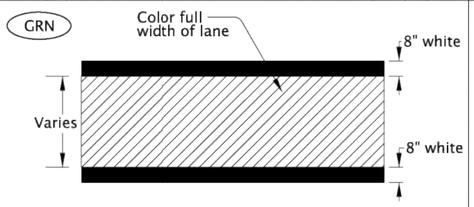
BIKE STENCIL (white)
Used for Intersection Bicycle Box applications
Place marking within bicycle box, ceneterd with motor vehicle lane width

BD



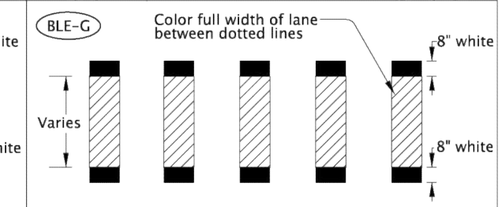
BICYCLE DETECTOR MARKING (white)
PLace Bicycle Detector Pavement Marking in optimum loction
where bicycle acuates the traffic signal

GRN



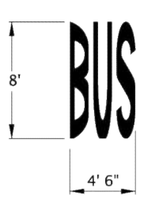
GREEN SUPPLEMENTAL BICYCLE LANE
SOLID LINE (green)

BLE-G



GREEN SUPPLEMENTAL BICYCLE LANE
DOTTED LINE EXTENSION (green)

BUS

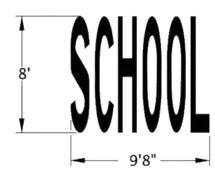


BUS (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

ON

ONLY (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

SCH

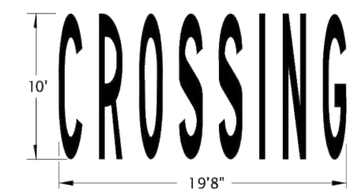


SCHOOL (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

SCH-LG

SCHOOL - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs

CRS-LG

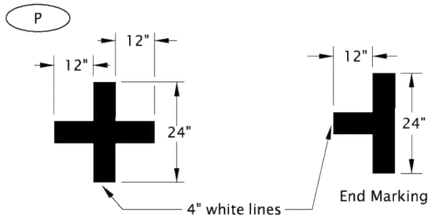


CROSSING - LARGE (white)
Center marking within width of two lanes
For letter proportion details, see current version of Standard Highway Signs

XNG

X-ING (white)
Center marking within lane width
For letter proportion details, see current version of Standard Highway Signs

P



ON-STREET PARKING DETAIL (white)

General Note:

1. Arrow, letter, and bike symbol dimensions nominal.

LEGEND

Direction of Travel

CALC. BOOK NO. N/A

SDR DATE 01/03/2020

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

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

OREGON STANDARD DRAWINGS

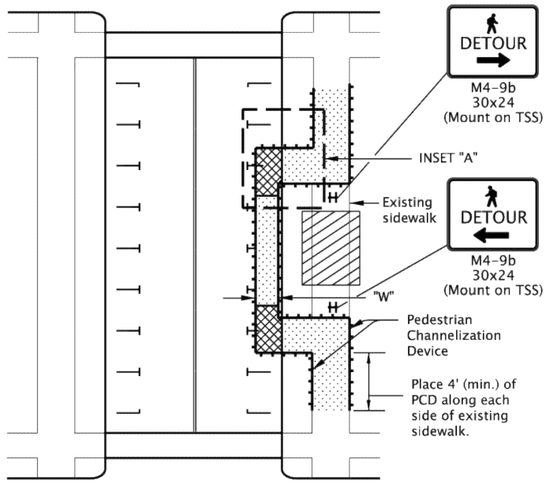
PAVEMENT MARKING STANDARD DETAIL BLOCKS

2021

DATE	REVISION DESCRIPTION

TM503

Effective Date: December 01, 2021 - May 31, 2022



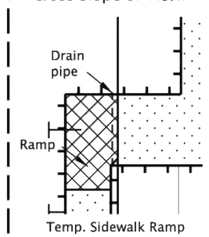
WITHIN ROADWAY
SIDEWALK DIVERSION

NOTES:

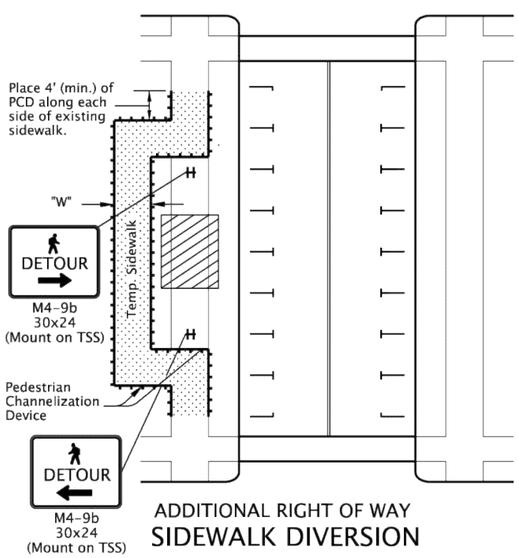
- Place or construct temp. sidewalk ramp, as needed.
- For roadways with a pre-construction posted speed of 40 mph or less.
- See inset "A" for Temp. Sidewalk Ramp details.
- "W" = 60", or, where 60" width cannot be maintained through the entire route, provide 48" min. width with 60" x 60" passing spaces every 200 ft.
- Use temporary ADA compliant surfaces to cross planter strips or other non-traversable surfaces.

NOTES:

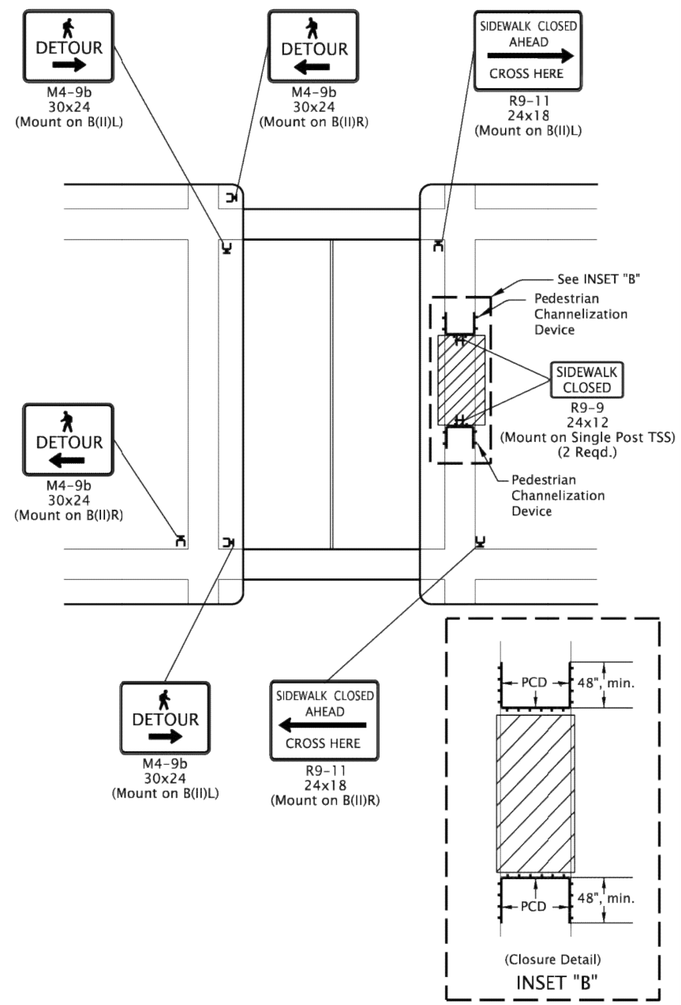
- Ramp size will vary. Ramp must meet ADA requirements incl. max design grade of 7.5% and max design cross slope of 1.5%.



Temp. Sidewalk Ramp
INSET "A"



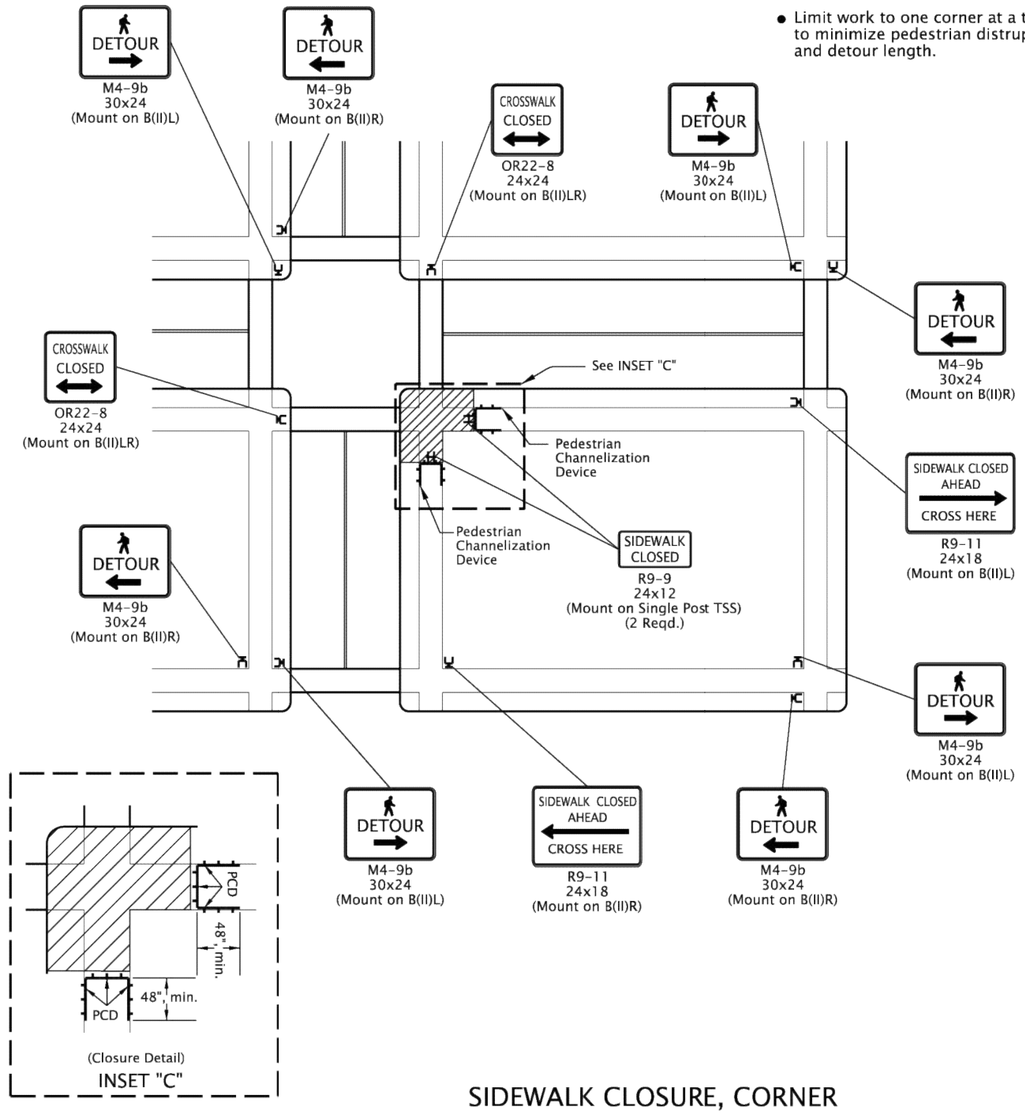
ADDITIONAL RIGHT OF WAY
SIDEWALK DIVERSION



SIDEWALK CLOSURE, MIDBLOCK

NOTE:

- Limit work to one corner at a time to minimize pedestrian distruption and detour length.



SIDEWALK CLOSURE, CORNER

GENERAL NOTES FOR ALL DETAILS:

- When closing or relocating crosswalks or other pedestrian facilities provide ADA compliant facilities. Include accessibility features consistent with existing pedestrian facilities by providing adequate slope transitions and surfacing.
- Provide non-slip, 60 inch minimum wide surface through entire pedestrian route. If not possible, provide 48" min. width with 60" x 60" passing spaces every 200 feet along the route.
- Only TCD for pedestrians are shown. Other devices may be necessary to control vehicular traffic.
- Stage work, as necessary, to provide a temporary pedestrian access route at all times. For roadways with no available detours, maintain one open sidewalk at all times.
- Minimize pedestrian out-of-direction travel.
- To be accompanied by Drg. Nos. TM820 & TM821.

UNDER PEDESTRIAN TRAFFIC
UNDER CONSTRUCTION
PEDESTRIAN CHANNELIZATION DEVICE

CALC. BOOK NO. N/A

BASELINE REPORT DATE 01-JAN-2019

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

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

OREGON STANDARD DRAWINGS

TEMPORARY PEDESTRIAN ACCESS ROUTING

2018

DATE	REVISION DESCRIPTION
01-2019	REVISED NOTES

tm844.dgn 01-JAN-2019

TM844

Effective Date: December 1, 2019 - May 31, 2020