

**CONTRACT AND BONDS  
FOR HIGHWAY CONSTRUCTION**

**PUBLIC WORKS DEPARTMENT  
CITY OF WOODBURN, OREGON**



**EARTHWORK & DRAINAGE**

**2014 MILL CREEK TWIN STORM  
CULVERT REPAIRS PROJECT**

<b>BID NUMBER:</b>	<b>2014-06</b>
<b>PROJ. ACCOUNT NUMBER:</b>	<b>MDSW1426</b>
<b>CONTRACTOR:</b>	
<b>DATE OF AWARD:</b>	
<b>SPECIFIED COMPLETION DATE:</b>	<b>June 30, 2014</b>

# **INVITATION TO BID**

*By the*  
**CITY OF WOODBURN**  
*for*  
**2014 MILL CREEK TWIN**  
**CULVERT REPAIRS PROJECT**

**BID No. 2014-06**

Sealed bids for the construction of "**2014 Mill Creek Twin Culvert Repairs**" will be received by the City of Woodburn, OR at City Hall Annex, 190 Garfield St. until **10 AM, Tuesday, March 25, 2014** and will thereafter be publicly opened and read.

Proposals shall be addressed to the City Engineer, City of Woodburn, 190 Garfield St., Woodburn, OR 97071. Bids shall be submitted in a plain sealed envelope bearing the Bidder's name, the name of the project and the date and time of the Bid opening, and shall be marked "**Bid No. 2014-06**".

The major items of work are estimated (approximate) quantities as follows:

- Clean culvert surfaces in preparation of crack, joint & hole seal 2 LS
- Plug 6-inch dia. penetration in wall 1 LS
- Crack-fill 2-inch wide longitudinal wall crack 9 LF
- Crack-fill (avg.) 4-inch wide circular wall crack 28 LF
- Crack-fill (avg.) 5-inch wide circular wall crack 82 LF
- Repair inflow seepage in existing wall surface, 10-inch dia. 2 EA
- Repair inflow seepage in existing wall surface, 8-inch dia. 1 EA
- Video inspection of culverts upon completion of work 207 LF
- Construct 16-inch CIPP liner 380 LF

Plans and specifications may be examined at the City Engineer's Office, on or after **Wednesday, March 5, 2014**. Copies of the Contract Documents may be obtained from the City Public Works Department website <http://www.ci.woodburn.or.us/?q=blog-categories/public-works-projects> for free. Hard copies may be obtained at the City Engineer's Office (190 Garfield St. Woodburn, OR) upon payment of established printing costs. Additionally plan sets are available for viewing at the following locations;

*DJC Plan Center – Portland, OR*  
*Contractor's Plan Center – Clackamas, OR*  
*McGraw Hill Dodge Plan Center – Portland, OR*  
*Salem Contractor's Exchange – Salem, OR*

Bidders (for projects over \$50,000.00) must be pre-qualified in accordance with the laws of the State of Oregon. Completed pre-qualification forms or proof of pre-qualification shall conform to the Special Provisions. Only bids from pre-qualified Bidders will be opened.

No bid for a construction contract shall be received or considered unless the bidder is registered with the Construction Contractors Board.

Bidders on this project need not be licensed for asbestos handling pursuant to ORS 468A.720. Each bidder must indicate on the bid form whether they are a resident or nonresident bidder as defined in ORS 279A.120 (b).

All proposals shall be made on the proposal forms. All proposals shall be accompanied by a Bid Bond, equal to ten percent (10%) of the total bid. Bid Bond shall be forfeited to the City if the Contractor fails to execute the contract within time allotted under the specifications.

Pursuant to ORS 279C.370, bidders on public works projects with a contract value of \$100,000 or more are required to disclose, 2-hours after bid opening, the bidders first-tier subcontractors. The bidder shall provide the information as required on City of Woodburn first-tier disclosure form, provided in the contract documents.

At the discretion of the Project Manager, Addenda (um) and Contract clarifications shall either be posted on the City, Engineering Division website or delivered to Plan Holders via facsimile. Potential Bidders should check the website on a daily basis until the Bid Opening date. Website can be found at <http://www.ci.woodburn.or.us/?q=blog-categories/bids-rfps> Addenda must be signed and submitted with the Bid Proposal to be considered a responsive offer.

Although contract award is expected to be made by the City Council on **Monday, April 14, 2014** the City of Woodburn reserves the right to reject any and all bids not in compliance with prescribed bidding procedures and requirements, and may reject for good cause any and all bids upon a finding of the Agency if it is in the public interest to do so. The three (3) lowest bidders may not withdraw or modify his bid prior to the lapse of 35-days after the bid opening.

This project must be completed no later than **June 30, 2014.**

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Heather Pierson  
City Recorder  
City of Woodburn, OR 97071

**FORM OF PROPOSAL**  
For  
**2014 MILL CREEK TWIN CULVERT REPAIRS**

*Bid No. 2014-06*

Honorable Mayor and City Council  
City Hall  
Woodburn, Oregon 97071

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

The Bidder further declares that he has carefully examined the Contract Documents for the construction of the proposed improvements; that he has personally inspected the site; that he has satisfied himself as to the quantities of materials, items of equipment, and conditions or work involved, including the fact that the description of work and materials as included herein, is brief and is intended only to indicate the general nature of such items and to identify the said quantities with the detailed requirements of the Contract Documents; and that this Proposal is made according to the provisions and the terms of the Contract Documents, which Documents are herein attached and are hereby made a part of this Proposal.

The Bidder further agrees to complete construction of all work in all respects in accordance with the Special Provisions incorporated herein.

In the event the Bidder is awarded the Contract and shall fail to complete the work within the time limit set under Specifications of this document or extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid to the City of Woodburn, Oregon, using the rate outlined in the Special Provisions until the work shall have been finished, as provided by the Contract Documents.

The Bidder further proposes to accept as full payment for the work proposed herein the amount computed under the provisions of the Contract Documents and based on the following unit price amounts, it being expressly understood that the unit prices are independent of the exact quantities involved, that they represent a true measure of the labor and material required to perform the work, including all allowance for overhead and profit for each type and unit of work called for in these Contract Documents.

The amounts shall be shown in both words and figures. In case of discrepancy, the amount shown in words shall govern.

It is declared that the Bidder will comply with all the provisions of ORS 279C.840.

The workmen on the project will be paid not less than the prevailing rates of wages.

It is agreed that if the Bidder is awarded the Contract for the work herein proposed and shall fail or refuse to execute the Contract and furnish the specified Performance Bond within ten (10) calendar days after receipt of notification of acceptance of his Proposal, then, in that event, the bid security in the sum of:

(In Numbers): \$ \_\_\_\_\_

deposited herewith according to the conditions of the Advertisement for Bids and Information to Bidders, shall be retained by the City of Woodburn, Oregon, as liquidated damages; and it is agreed that the said sum is a fair measure of the amount of damage the City of Woodburn will sustain in case the Bidder shall fail or refuse to enter into the contract for the said work and to furnish the Performance Bond as specified in the Contract Documents. Bid security in the form of a certified check shall be subject to the same requirements as a bid bond.

If the Bidder is awarded a construction contract on this proposal, the surety who will provide the Performance Bond will be:

\_\_\_\_\_ whose address is:

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
Street City State Zip

Agents Name: \_\_\_\_\_ Phone No. \_\_\_\_\_

The address for all communications concerned with this Proposal and where the Contract shall be sent is:

Contractor: \_\_\_\_\_ doing business at:

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_  
Street City State Zip

**SCHEDULE OF ITEMS**

<b><u>Item #</u></b>	<b><u>Item Description</u></b>	<b><u>Units</u></b>	<b><u>Quantity</u></b>	<b><u>Unit Price</u></b>	<b><u>Total</u></b>
1	Mobilization, Bonds & Insurance	LS	1		
2	Work Zone Traffic Control - Complete	LS	1		
3	Pollution Control Plan - Complete	LS	1		
4	Erosion Prevention & Sediment Control Plan - Complete				

**SCHEDULE 'A' - WESTERLY ARCH STORM CULVERT**

5	Clean culvert in preparation of crack, joint and hole sealant	LS	1		
6	Plug off existing 6-inch dia., service lateral, located at "7W"	LS	1		
7	Repair of 2-inch wide longitudinal crack	LF	9		
8	Repair of circular cracks (average 4-inch wide)	LF	28		
9	Repair of inflow seepage (average 10-inch diameter)	EA	2		
10	Video Inspection	LF	106		

**SCHEDULE 'B' - EASTERLY ARCH STORM CULVERT**

11	Repair of circular cracks (average 5-inch wide)	LF	82		
12	Repair of inflow seepage (average 8-inch diameter)	EA	1		
13	Repair of retaining chain & turnbuckle	EA	1		
14	Video Inspection	LF	101		

TOTAL: \$ \_\_\_\_\_

ADDITIVE ALTERNATE - May be added by Agency if funds are available. Overall Bid Offer may or may not include this item.

				Unit \$	Total
A1	Seal coat of culvert surfaces against inflow & infiltration	SF	2,800		

TOTAL including cost of A1: \$\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(If Sole Proprietor or Partnership)

In witness hereto the undersigned has set his (its) hand this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

\_\_\_\_\_  
Signature of Bidder

\_\_\_\_\_  
Title (If Corporation)

In witness whereof the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officer this \_\_\_\_ day of \_\_\_\_\_, 20\_\_.

Name of Corporation \_\_\_\_\_

By: \_\_\_\_\_

Title \_\_\_\_\_ Construction Contractor's Board No. \_\_\_\_\_

Attest: \_\_\_\_\_

*Title*

\_\_\_\_\_"Bidder will comply with the provisions of ORS 279C.840.

*Initial*

Attest: \_\_\_\_\_  
*Bidder*

# ACORD™ CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

PRODUCER FAX	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.	
	INSURERS AFFORDING COVERAGE	NAIC #
INSURED	INSURER A:	
	INSURER B:	
	INSURER C:	
	INSURER D:	
	INSURER E:	

## COVERAGES

THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR ADD'L LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
		<b>GENERAL LIABILITY</b> <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> OCCUR <b>Owners and Cont Prot</b> GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC				EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ Fire Damage (any one fire)
		<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS				COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		<b>GARAGE LIABILITY</b> <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY: AGG \$
		<b>EXCESS/UMBRELLA LIABILITY</b> <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE DEDUCTIBLE RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$ \$
		<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? If yes, describe under SPECIAL PROVISIONS below				WC STATU-TORY LIMITS OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
		<b>OTHER</b>				

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS

<b>CERTIFICATE HOLDER</b>  <p><b>City of Woodburn Public Works Dept. 190 Garfield St. Woodburn, OR 97071</b></p>	<b>CANCELLATION</b> <p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL <u>30</u> DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES.</p> <p>AUTHORIZED REPRESENTATIVE</p>
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## CERTIFICATION PAGE

Each Bidder (offeror) must read and comply with the following Sections. Failure to do so may result in bid/proposal(offer)rejection.

### RESIDENCY INFORMATION

ORS 279A.120(2) states "For the purposes of awarding a public contract, a contracting agency shall: (a) Give preference to goods or services that have been manufactured or produced in this state if price, fitness, availability and quality are otherwise equal; and (b) Add a percent increase to the bid of a nonresident bidder equal to the percent, if any, of the preference given to the bidder in the state in which the bidder resides."

"Resident bidder" means a bidder that has paid unemployment taxes or income taxes in this state during the 12 calendar months immediately preceding submission of the bid, has a business address in this state and has stated in the bid whether the bidder is a "resident bidder" [ORS 279A.120(1)(b)].

"Non-resident bidder" means a bidder who is not a "resident bidder" as defined above [ORS 279A.120(1)(b)].

Check one: Bidder is a  RESIDENT bidder  NON-RESIDENT bidder.

### CERTIFICATION OF COMPLIANCE WITH DISCRIMINATION LAWS

By my signature in Form of Proposal, I hereby attest or affirm under penalty of perjury that I am authorized to act on behalf of Contractor in this matter, and to the best of my knowledge the Contractor has not discriminated against minority, women or emerging small business enterprises certified under ORS 200.055, in obtaining any required subcontract or against a business enterprise that is owned or controlled by or that employs a disable veteran as defined in ORS 408.225.

### CERTIFICATION OF COMPLIANCE WITH OREGON TAX LAWS

By my signature in Form of Proposal, I hereby attest or affirm under penalty of perjury that I am authorized to act on behalf of Contractor in this matter, that I have authority and knowledge regarding the payment of taxes, and that Contractor is, to the best of my knowledge, not in violation of any Oregon Tax Laws.

For purposes of this certificate, 'Oregon Tax Laws' means those programs listed in ORS 305.380(4) which is incorporated herein by this reference. Examples include the state inheritance tax, personal income tax, withholding tax, corporation income and excise taxes, amusement device tax, timber taxes, cigarette tax, other tobacco tax, 9-1-1 emergency communications tax, the homeowners and renters property tax relief program and local taxes administered by the Department of Revenue.

### VERIFICATION OF RESPONSIBILITY

The City reserves the right, pursuant to ORS 279C.375 and OAR 137-049-0390, to investigate and evaluate, at any time prior to award and execution of the contract, the lowest bidder's (apparent successful offeror's) ability to perform the contract. Submission of a signed offer shall constitute approval for the City to obtain any information the City deems necessary to conduct the evaluation. The City shall notify the apparent successful offeror, in writing, of any other documentation required. Being a responsible bidder may include having the appropriate financial, material, equipment, facility and personnel resources and expertise, or ability to obtain the resources and expertise to perform the contract. Contractor shall have a satisfactory record of contract performance. The Contractor shall also have a satisfactory record of integrity. An unsatisfactory record of integrity may include previous violations of state environmental laws or a false certifications made to any Public Agency. The Contractor is to be qualified legally to contract with the City of Woodburn. Failure to promptly provide any requested information may result in bid/proposal rejection.

The City may postpone the award of the contract after announcement of the apparent successful offeror in order to complete its investigation and evaluation. Failure of the apparent successful offeror to demonstrate responsibility, as required under ORS 279C.375 and OAR 137-049-0390, may render the offeror non-responsible and shall constitute grounds for offer rejection.

### DRUG TESTING POLICY CERTIFICATION

DRUG-TESTING POLICY CERTIFICATION:

By my signature in Form of Proposal, I hereby attest or affirm under penalty of perjury that I am authorized to act on behalf of Contractor in the matter, and to the best of my knowledge the Contractor has a drug-testing program in place which applies to all employees. Contractor shall maintain a drug-testing program at all times during the performance of the Contract awarded. Failure to maintain such a program shall constitute a material breach of contract.[ORS 279C.505J

## CONSTRUCTION AGREEMENT

THIS AGREEMENT, made this \_\_\_\_ day of \_\_\_\_\_, 2014, by and between \_\_\_\_\_, hereinafter called "CONTRACTOR" and the CITY OF WOODBURN, an Oregon Municipal Corporation, hereinafter called "City" or "Owner".

The Contractor, for the consideration hereinafter named, does hereby agree to furnish all materials, equipment, labor and necessary implements for the construction of **2014 Mill Creek Twin Culvert Repairs Project** and doing such other work as is necessary to make an appropriate and complete improvement.

All of said work shall be done according to the terms, conditions, and requirements of the Contract Documents including the: Advertisement of Bids, Contractor's signed Proposal, information to bidders, special specifications, general conditions, standard specifications, general specifications, and plans and Addendum Nos. ( XX ) for said improvement, which Contract Documents by this reference are made a part of this agreement.

Said improvement shall be completed by the date specified in said Contract Documents and if not so completed, unless said time for completion is extended, as provided in the Contract Documents, or if extended, if the same is not completed within time extended, the City will suffer liquidated damages as specified in the Contract Documents, which liquidated damages shall be retained out of any monies due or to become due under this agreement.

Payments shall be made as provided in the Contract Documents. The contract amount, as approved by the Council on \_\_\_\_\_, 2014, and agreed by the Contractor, is \$ \_\_\_\_\_.

The City will pay the required fee to the Bureau of Labor and Industries equal to one-tenth of one percent (0.1 percent) of the price of this contract, minimum fee in the amount of \$250.00 and maximum fee of \$7,500.00.

The Contractor will pay the prevailing wage rates in accordance with ORS279C.830 and as amended by Davis Bacon and all current amendments as set forth in the Contract.

NOW, THEREFORE, in consideration of the faithful performance of the covenants and agreements hereinbefore made by the Contractor, the City hereby covenants and agrees to pay the Contractor as in said Contract Documents provided.

IN WITNESS WHEREOF, the respective parties hereto have each caused these presents to be executed in duplicate the day and year first above written.

CITY OF WOODBURN, OREGON

ATTESTED: \_\_\_\_\_  
Heather Pierson, *CITY RECORDER*                      Kathy Figley, *MAYOR*

CONTRACTOR: \_\_\_\_\_  
*Organization*

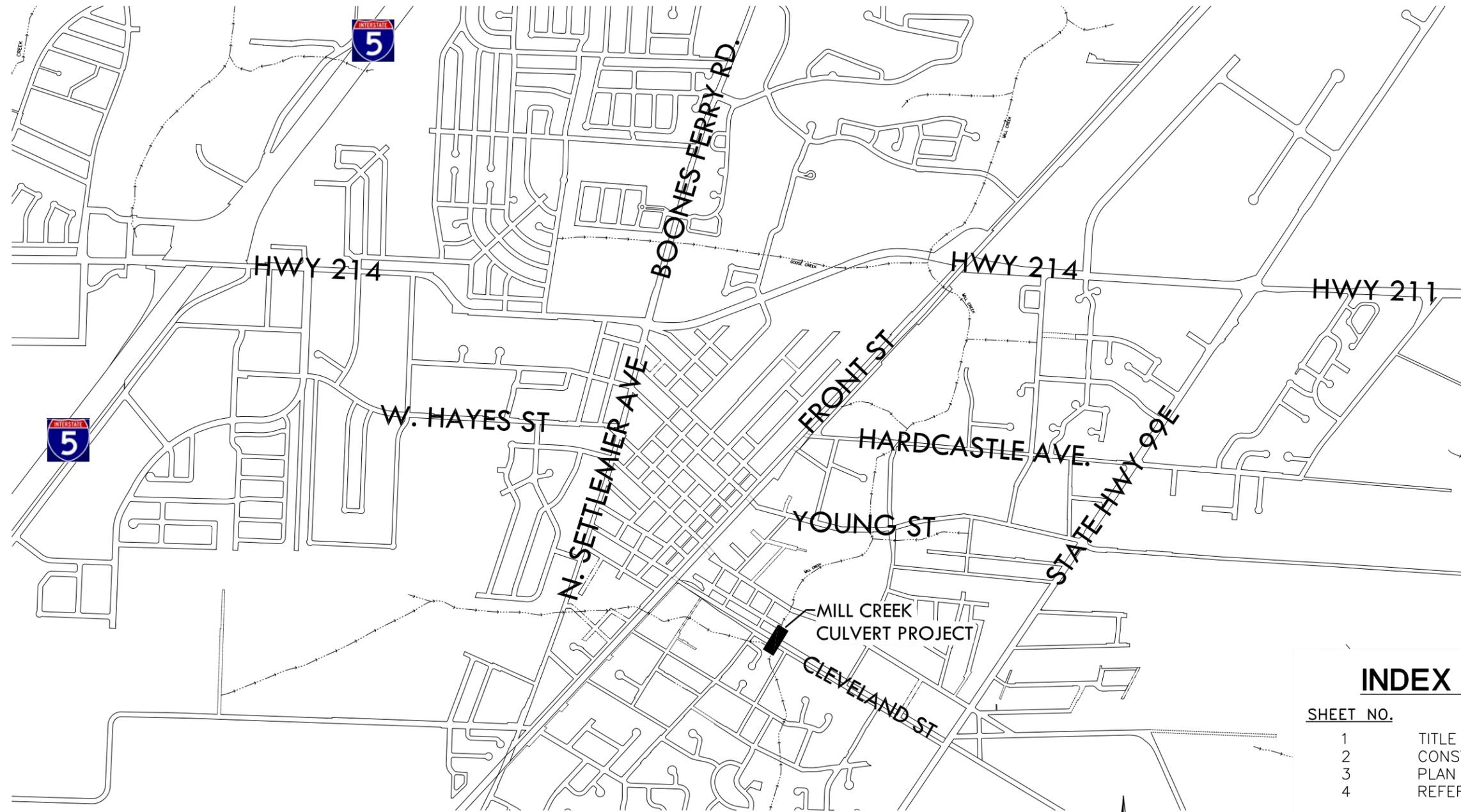
By: \_\_\_\_\_ . Title: \_\_\_\_\_

SAMPLE

# MILL CREEK TWIN CULVERT REPAIRS

FILE No. 2014-006-28

BID No. 2014-06



INDEX OF DRAWINGS		
SHEET NO.	TITLE	DWG NO.
1	TITLE SHEET	G-1
2	CONSTRUCTION NOTES	G-2
3	PLAN SHEET	C-1
4	REFERENCE PHOTOS	C-2

**VICINITY MAP**  
NTS



<p>THIS BAR IS ONE-INCH ON ORIGINAL DRAWING.</p>	<p>DESIGNED: <u>DB</u>                  DRAWN: <u>GK</u>                  REVIEWED: <u>DB</u>                  APPROVED: <u>EL</u>                  HORIZONTAL DATUM: LOCAL                  VERTICAL DATUM: LOCAL</p>		<p>REVISIONS:</p> <table border="1" style="width: 100%; height: 40px;"> <tr> <td style="width: 50px;"> </td> <td> </td> </tr> </table>			<p>MILL CREEK TWIN CULVERT REPAIRS</p> <p><b>TITLE SHEET</b></p>	<p>PROJECT NO. 2014-006-28</p> <p>DATE MARCH 2014</p> <p>DWG NO. G-1</p> <p>SHEET 1 OF 4</p>

**GENERAL NOTES:**

1. UNLESS APPROVED IN WRITING, BY THE CITY ENGINEER, ALL WORK SHALL BE ACCOMPLISHED BETWEEN 7:00 AM AND 7:00 PM., MONDAY THROUGH FRIDAY. WEEKENDS AND HOLIDAYS SHALL BE REQUESTED IN WRITING 72 HOURS IN ADVANCE.
2. CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS AND SPECIFICATIONS, INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE REQUIREMENTS AND PROVIDE A COMPLETE PROJECT.
3. RESTORATION SHALL BE COMPLETED TO ALL PROPERTIES THAT ARE AFFECTED DUE TO CONSTRUCTION ACTIVITIES. RESTORATION SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT.
4. CONSTRUCTION THAT WILL BE RUNNING ADJACENT TO RESIDENTIAL PROPERTIES. OWNER/RESIDENTS SHALL BE AFFORDED ACCESS TO THEIR PROPERTIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO MAKE ALLOWANCES FOR ANY LOCAL DELIVERIES AND/OR GARBAGE PICK-UP. PROVIDE WRITTEN NOTICE TO ALL PROPERTY OWNERS AT LEAST 2 WORK DAYS IN ADVANCE OF WORK IN AND OR CROSSING DRIVEWAYS.
5. ANY INSPECTIONS BY THE ENGINEER AND/OR HIS REPRESENTATIVE SHALL NOT, IN ANYWAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH APPLICABLE CODES AND AGENCY REQUIREMENTS.
6. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, AND TRAFFIC CONES PER THE APPROVED TRAFFIC CONTROL PLAN AND IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ALL TRAFFIC CONTROL DEVICES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. CONTRACTOR SHALL NEVER LEAVE THE SITE IN A STATE THAT IS DEEMED, BY THE ENGINEER AND/OR OTHER APPROVED AGENT, TO BE A PUBLIC SAFETY RISK.
7. THE CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED PLAN DRAWINGS ON SITE AT ALL TIMES WHEREON HE WILL RECORD ALL APPROVED CHANGES AND/OR DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS THE STATION AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE DRAWINGS SHALL ALWAYS BE AVAILABLE TO THE ENGINEER FOR INSPECTION.
8. UPON COMPLETION OF CONSTRUCTION OF PUBLIC FACILITIES, THE CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER.
9. CONTRACTOR MAY PROCURE WATER FROM A CITY FIRE HYDRANT ONLY AFTER APPROVAL OF THE ENGINEER, INSTALLATION OF BACKFLOW PREVENTER BY CITY DRINKING WATER SECTION CREWS, AND PAYMENT OF APPROPRIATE FEES TO THE WATER SECTION, IF REQUIRED.
10. CONTRACTOR SHALL NOTIFY CITY AND ALL UTILITY COMPANIES A MINIMUM OF 2 WORK DAYS PRIOR TO START OF CONSTRUCTION ACTIVITIES AND COMPLY WITH ALL OTHER REQUIREMENTS OF ORS 757.541 TO 757.571.
11. CONTRACTOR SHALL CONFINE ALL PUBLIC IMPROVEMENT WORK TO THE DEDICATED RIGHT-OF-WAY AND UTILITY EASEMENT AREAS.
12. EROSION CONTROL, DUST CONTROL AND DRAINAGE CONTROL IS REQUIRED AT ALL TIMES. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION OF ALL WORK, ADJACENT PROPERTIES AND ALL FACILITIES FROM EROSION AND SILTATION DURING THE COURSE OF THE WORK. DAMAGE TO EXISTING FACILITIES AND PROPERTIES DUE TO EROSION AND SILTATION SHALL BE CORRECTED AT THE SOLE EXPENSE OF THE CONTRACTOR.
13. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING DUST CONTROL MEASURES TO REDUCE DUST EMISSIONS.
14. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE COMPILED FROM THE BEST AVAILABLE RECORDS AND FIELD SURVEYS. THE ENGINEER AND UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY.
15. THE CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION IN ORDER FOR THE ENGINEER TO MAKE NECESSARY GRADE MODIFICATIONS WITHOUT DELAYING THE WORK. ALL UTILITY CROSSINGS SHALL BE POTHOLED PRIOR TO EXCAVATING OR BORING TO MITIGATE POTENTIAL GRADE CONFLICTS. POTHOLING SHALL BE CONSIDERED INCIDENTAL TO THIS PROJECT.
16. ONLY CITY STAFF CAN OPERATE LIVE WATER VALVES AND FIRE HYDRANTS. NOTIFY THE CITY OF WOODBURN PRIOR TO THE NEED FOR THE OPERATION OF LIVE WATER LINES.
17. ALL EXISTING FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR SHALL LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO INSURE THAT PUBLIC RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, DUST AND/OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.
19. CONSTRUCTION ACTIVITIES SHALL BE MONITORED AND MAINTAINED TO INSURE NO PONDING OF EXCESS WATER OCCURS.
20. WHEN APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL PUMP FLUIDS AND DEBRIS FROM DEWATERING ACTIVITIES INTO THE CITY SANITARY COLLECTION SEWER SYSTEM.
21. CONTRACTOR WILL PROVIDE TO THE AGENCY A CERTIFICATE OF LIABILITY INSURANCE WITH A GENERAL AGGREGATE AMOUNT OF NOT LESS THAN \$2,000,000.00, AUTOMOVILE LIABILITY OF NOT LESS THAN \$1,000,000.00, WORKERS COMPENSATION AND EMPLOYER LIABILITY OF NOT LESS THAN \$1,000,000.00 AND AN ADDED ENDORSEMENT COVERING "THE CITY OF WOODBURN, OR, ITS ELECTED OFFICALS, OFFICERS, AGENTS, EMPLOYEES AND VOLUNTEERS."
22. CONTRACTOR SHALL TURN IN WITH THE FORM OF PROPOSAL A COMPLETED "CERTIFICATION PAGE" WITH HIS/HER OFFER.
23. COMPLY WITH THE APPLICIBLE PARTS OF SECTION 00280 - EROSION AND SEDIMENT CONTROL OF THE OREGON STANDARD SPECIFICATIONS.
24. COMPLY WITH THE APPLICIBLE PARTS OF SECTION 00290 - ENVIRONMENTAL PROTECTION OF THE OREGON STANDARD SPECIFICATIONS. IT IS ESSENTIAL THE CONTRACTOR ENSURE THAT MILL CREEK (A TRIBUTARY OF THE PUDDING RIVER) IS NOT CONTAMINATED BY WORK, MATERIAL(S) AND/OR DEBRIS FROM THE OPERATIONS IN PERFORMANCE OF THIS PROJECT.
25. A TEMPORARY DIVERSION OF THE FLOW OF STORM WATER WILL BE NECESSARY TO ACCOMPLISH WORK IN ONE CULVERT AT A TIME AND THEREFORE DIVERT FLOW TO THE OTHER CULVERT. UNLESS APPROVED BY THE ENGINEER THE CONTRACTOR SHALL USE SAND BAGS TO ACCOMPLISH THIS TASK. SANDBAGS SHALL BE REMOVED FROM THE STRUCTURES AFTER THE WORK IS COMPLETE.

26. THIS WORK WILL BE ACCOMPLISHED IN A CONFINED SPACE ENVIRONMENT. CONTRACTOR SHALL ENSURE SAFETY OF WORKERS BY PROVIDING AIR QUALITY CHECK PRIOR TO CREW ENTERING CULVERTS AND MAINTAIN AIR QUALITY LEVELS AS DETERMINED AND BY MEANS APPROVED BY OREGON OSHA.
27. COMPLETELY CLEAN ALL SURFACES WITH PRESSURE WASHER (CAPABLE OF A MINIMUM 150 PSI WATER PRESSURE) PRIOR TO REPAIRS.
28. CONTRACTOR SHALL SUBMIT FOR APPROVAL THE MANUFACTURER'S DATA SHEETS, ANY ADDITIONAL INFORMATION AS IS REQUESTED BY THE ENGINEER, FOR USE IN FILLING AND SEALING OF THE CRACKS, HOLES AND PENETRATIONS OF THE CULVERTS PRIOR TO PLACEMENT IN THE CULVERTS.
29. AT THE CONCLUSION OF THE REPAIR WORK THE CONTRACTOR SHALL REMOVE ALL TOOLS, MATERIALS, WASTE, DEBRIS AND EQUIPMENT IN THE ENTIRE LENGTH OF BOTH CULVERTS.

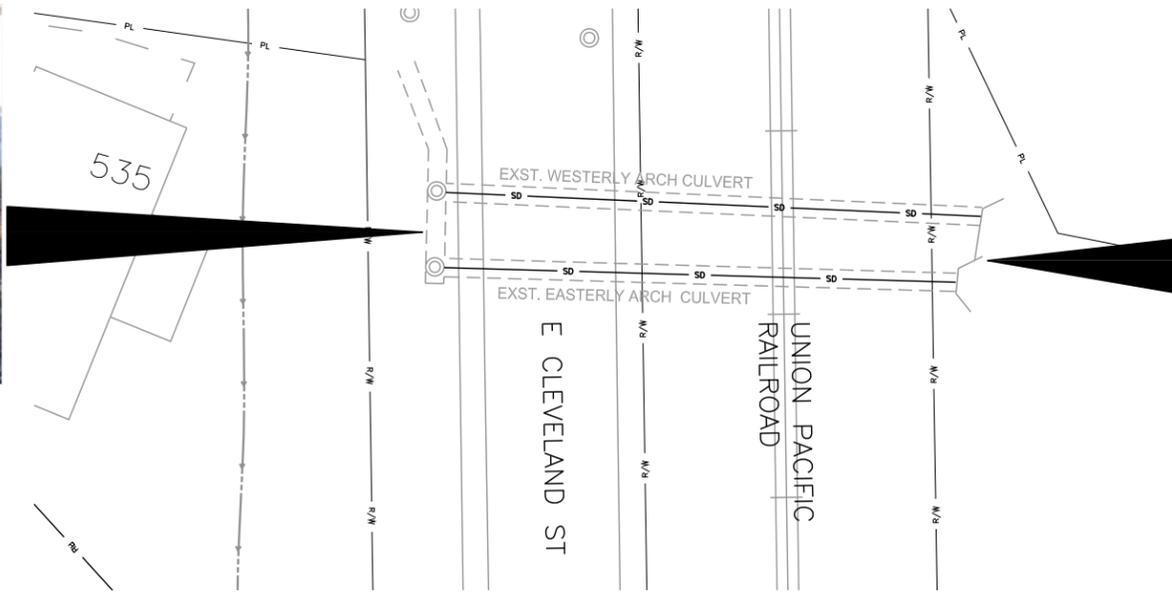


**CALL BEFORE YOU DIG!**  
1-800-332-2344

**ATTENTION:**

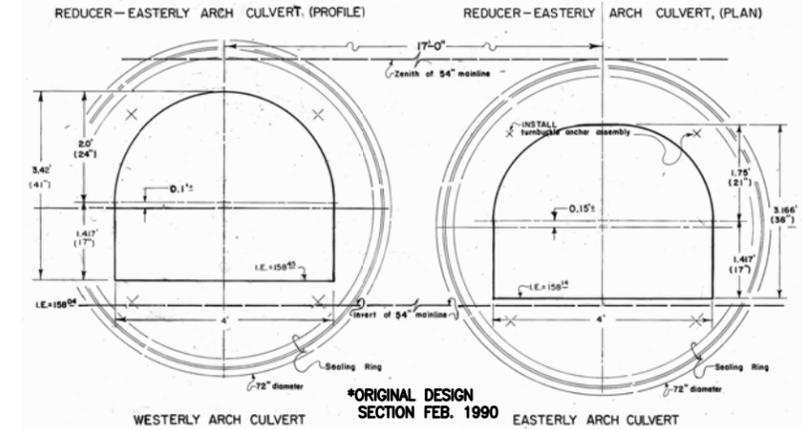
OREGON LAW REQUIRES CONTRACTOR TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 503.232.1987)

<p>THIS BAR IS ONE-INCH ON ORIGINAL DRAWING.</p>	<p>DESIGNED: <u>DB</u> DRAWN: <u>GK</u> REVIEWED: <u>DB</u> APPROVED: <u>EL</u> HORIZONTAL DATUM: <u>LOCAL</u> VERTICAL DATUM: <u>LOCAL</u></p>		<p>REVISIONS:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px;"> </td></tr> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px;"> </td></tr> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px;"> </td></tr> <tr><td style="width: 50px; height: 20px;"> </td><td style="width: 50px;"> </td></tr> </table>									<p>MILL CREEK TWIN CULVERT REPAIRS</p> <p><b>LEGENDS AND CONSTRUCTION NOTES</b></p>	<p>PROJECT NO. <b>2014-006-28</b></p> <p>DATE <b>MARCH 2014</b></p> <p>DWG NO. <b>G-2</b></p> <p>SHEET <b>2</b> OF <b>4</b></p>

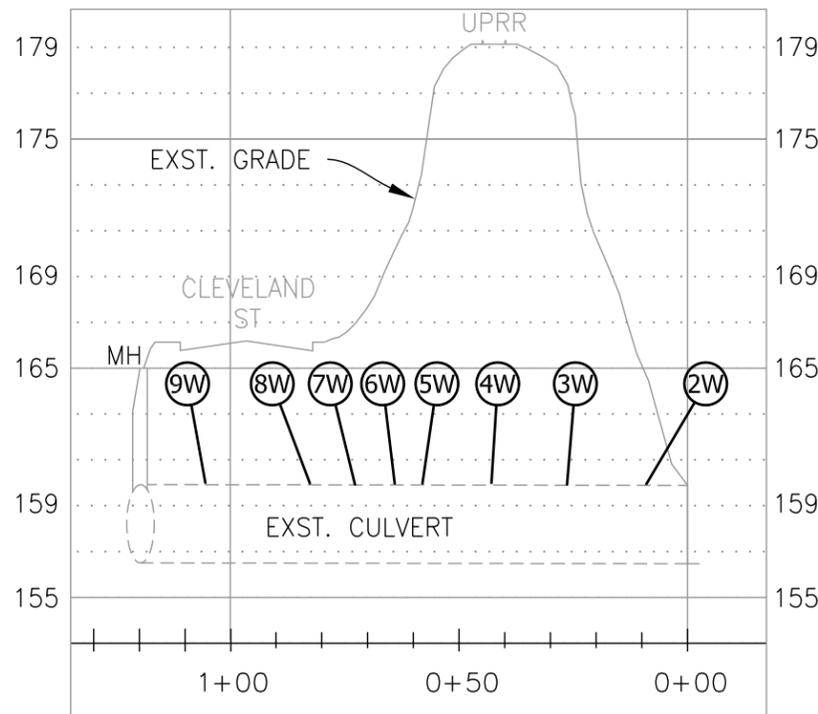


**GENERAL NOTES:**

1. NEAREST FIRE HYDRANT IS LOCATED APPROX. 280FT EAST OF PROJECT.



**CULVERT DETAILS**  
SCALE: NTS



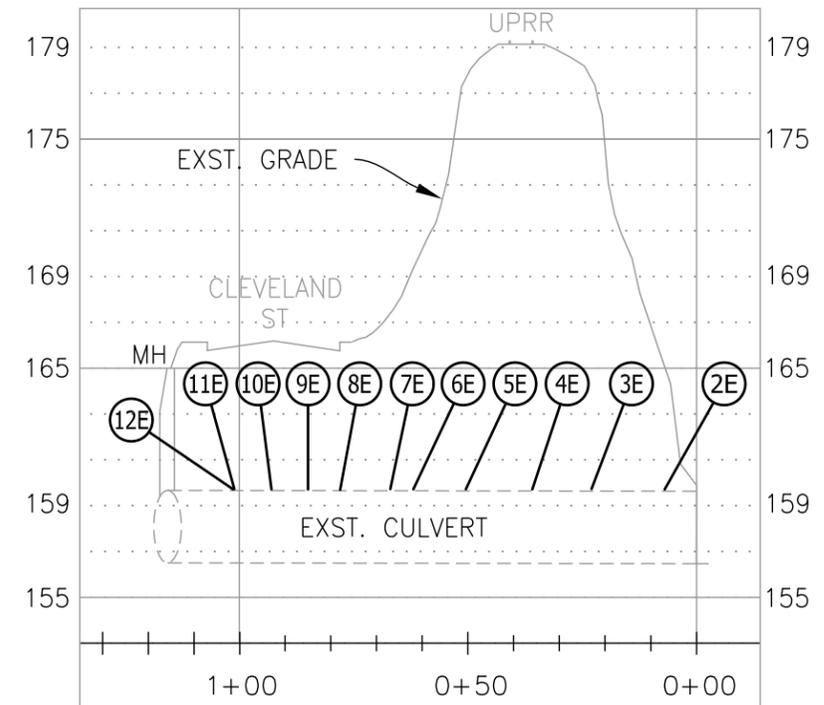
**PLAN - WESTERLY CULVERT**

HORIZONTAL: 1"=40'  
VERTICAL: 1"=8'

EAST CULVERT				
#	Dist from End of Pipe @ Outfall	Description	Fracture Size	Remarks
1E	0'	Beginning		Outfall at Mill Creek
2E	7'	Circular Crack	+/- 3"	Exposed earth visible.
3E	23'	Circular Crack	+/- 3"	Exposed earth & void visible.
4E	36'	Circular Crack	+/- 6"	
5E	50.5'	Circular Crack	+/- 4"	
6E	62'	Circular Crack	+/- 2"	
7E	67'	Inflow seepage	+/- 8" Dia.	@ 3 o'clock, exposed aggregate.
8E	78'	Circular Crack	+/- 1"	
9E	85'	Circular Crack	< 1"	
10E	93'	Circular Crack	+/- 2"	
11E	101'	Junction	N/A	Change arch to circular CMP pipe
12E	101'	Turnbuckle	N/A	Install new bolt west side

WEST CULVERT				
#	Dist from End of Pipe @ Outfall	Description	Size	Remarks
1W	0'	Beginning		Outfall at Mill Creek
2W	0' - 9'	Longitudinal Crack	+/- 2"	at 3 & 9 o'clock positions
3W	18.5'	Circular Crack	+/- 3"	
4W	43'	Circular Crack	+/- 5"	Void beyond wall
5W	58'	Inflow seepage	+/- 8"	@ 3 o'clock, exposed aggregate.
6W	64'	Inflow seepage	+/- 12"	@ 3 o'clock, exposed aggregate.
7W	72.5'	Service Lateral	+/- 6"	@ 10 o'clock, voids visible
8W	82.5'	Circular Crack	+/- 4"	Void beyond wall
9W	105.5'	Junction	N/A	Change arch to circular CMP pipe



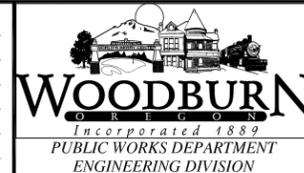
**PLAN - EASTERLY CULVERT**

HORIZONTAL: 1"=40'  
VERTICAL: 1"=8'

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REVIEWED: DB  
APPROVED: EL  
HORIZONTAL DATUM: LOCAL  
VERTICAL DATUM: LOCAL



REVISIONS:	

MILL CREEK TWIN CULVERT REPAIRS  
**PLAN SHEET**

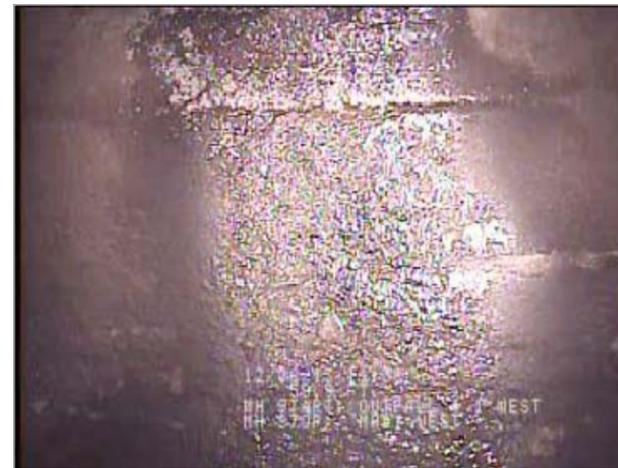
PROJECT NO.  
2014-006-28  
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**2W**  
(LONGITUDINAL CRACK)



**3W**  
(CIRCULAR CRACK)



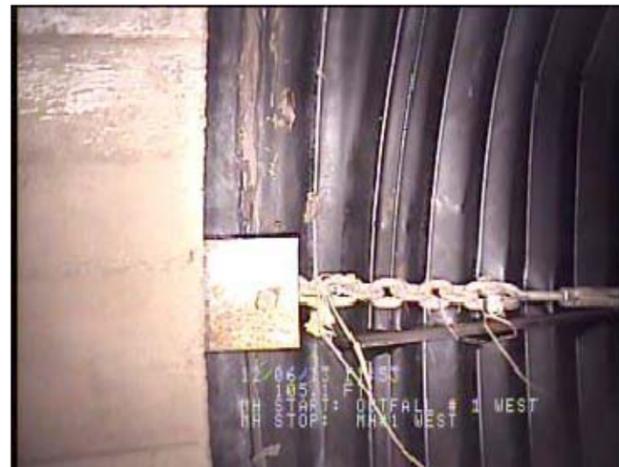
**5W**  
(INFLOW SEPAGE)



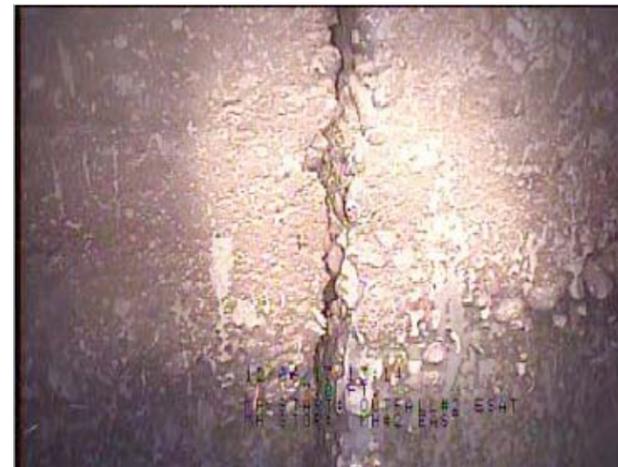
**6W**  
(INFLOW SEPAGE)



**7W**  
(SERVICE LATERAL)



**9W**  
(JUNCTION)



**2E**  
(CIRCULAR CRACK)



**4E**  
(CIRCULAR CRACK)



**7E**  
(INFLOW SEPAGE)



**8E**  
(CIRCULAR CRACK)



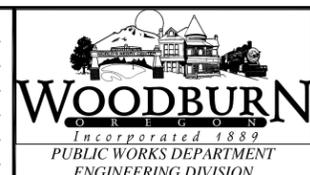
**11E**  
(JUNCTION)



**12E**  
(TURNBUCKLE)

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REVISIONS:	

MILL CREEK TWIN CULVERT REPAIRS

**REFERENCE PHOTOS**

PROJECT NO.	2014-006-28
DATE	MARCH 2014
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