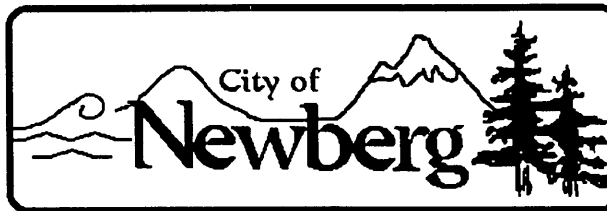


CONTRACT DOCUMENTS
FOR THE CONSTRUCTION OF

*leged
original*

CITY OF NEWBERG
CITY RECORDER INDEX NO. 1682

**WATER TREATMENT PLANT
BLUFF LANDSLIDE REPAIR**



AUGUST 1999

For information regarding this project,
contact:

Bob Bielman

AGENT

Office: (503) 537-1211

Community Development Office

P.O. Box 970 • 719 E. FIRST STREET • NEWBERG, OR 97132 • (503) 537-1240 • FAX: (503) 537-1272

ADDENDUM NO. 1 WATER TREATMENT PLANT BLUFF LANDSLIDE REPAIR September 2, 1999

This addendum forms a part of the Contract Documents. It modifies the original bidding documents.

1. Insert the attached pages in the Contract documents as indicated.

Prequalification forms may be submitted with the bid proposal.

Bidders shall acknowledge on Page 2 of the BID Documents that they have received this addendum by writing in addendum number and date received.

Larry Anderson, P.E.
Engineering Manager

ADDENDUM NO.1
TO THE CONTRACT DOCUMENTS
for the construction of WATER TREATMENT
PLANT BLUFF LANDSLIDE REPAIR

DATE: August 31, 1999

To All Planholders:

Gentlemen:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of Water Treatment Plant Bluff Landslide Repair, as fully and completely as if the same were fully therein:

A. STANDARD SPECIFICATIONS

1. Section 01001, GENERAL REQUIREMENTS
 - a. Page 6, Item 6.05, PLANT SECURITY AND ACCESS, add the following paragraph:
 - C. For additional site access over the Smurfit's wood stave pipe, refer to requirements specified under Section 02200, EARTHWORK, PART 3, EXECUTION.
2. Section 02100, CLEARING, PART 4, MEASUREMENT AND PAYMENT.
 - a. Page 2, Item 4.01, delete paragraphs A and B, and replace with the following:
 - A. Payment for work in this section, exclusive of vegetation and stripping will be included as part of the lump sum bid.
 - b. Page 2, add the following Item:
 - 4.02 VEGETATION AND STRIPPING
 - A. Measurement for vegetation and stripping excavation, hauling, and disposal, including placement, compaction, and grading at the disposal site shall be based on the cubic yard determined by truck measure as determined by the Engineer.

- B. Payment for vegetation and stripping hauling and disposal shall be based on the unit price per cubic yard as stated in the CONTRACTOR's Proposal under "Excavation and Disposal Landslide Debris", and the number of cubic yards satisfactorily hauled and disposal, as shown and/or specified. Payment shall constitute full compensation for the work as specified herein.
- C. Quantities for payment purposes shall be the number of trips approved by the ENGINEER for each days work.

3. Section 02200, EARTHWORK

- b. Page 7, Item 2.13, delete paragraph and replace with the following paragraphs:
 - A. For lower portion of rock fill were lift width is greater than 10 feet, compaction equipment shall be by a dozer, as a minimum, equivalent to a Caterpillar D6 with a weight of at least 38,000 pounds.
 - B. For the upper portion of rock fill were lift width is less than 10 feet, compaction equipment shall be by a dozer, as a minimum, equivalent to a Caterpillar D4 with a weight of at least 19,000 pounds.
- b. Page 10, Item 3.09, add the following paragraph:
 - B. For rock fill lifts with a width of less than 12 feet, compact by obtaining as much coverage as possible for the width of the lift. Make sufficient passes to compact and "key in" the rock fill into the native soil slope and to compact the otter edge of the rock fill by using the specified compaction equipment. Complete coverage of the narrow lift width will not be required.
- c. Page 11, add item 3.15 as follows:

3.15 ACCESS ROADWAY OVER WOOD STAVE PIPE

 - A. If the Contractor desires to develop an additional access roadway over the wood stave pipe, materials for the construction of the access roadway shall not touch the pipe and shall not be placed close enough to impact the structural integrity of the pipeline or

pipeline joints. Design and constructions methods by the Contractor for the crossing shall be approved by the ENGINEER.

All Bidders shall acknowledge receipt and acceptance of this Addendum No.1 in the Proposal or by submitting the Addendum with the bid package. Proposals submitted without acknowledgement or with Addendum will be considered informal.

CITY OF NEWBERG

Bob Bielman

Receipt acknowledge and conditions agreed to this _____ day of _____, 1999.

Bidder

By

* * * * *

CITY OF NEWBERG

CONTRACT DOCUMENTS

for the construction of the

**WATER TREATMENT PLANT
BLUFF LANDSLIDE REPAIR**

CONSISTING OF:

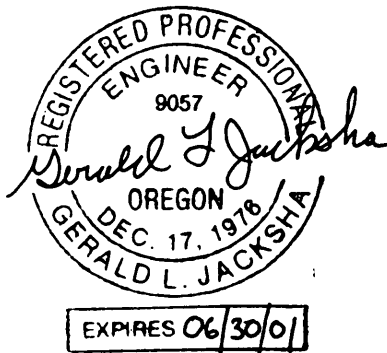
BIDDING REQUIREMENTS

CONTRACT FORMS

STANDARD SPECIFICATIONS

SPECIAL AND TECHNICAL SPECIFICATIONS

DRAWINGS



SQUIER ASSOCIATES

Lake Oswego, Oregon
August 1999

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DIVISION 14 — (NOT USED)

DIVISION 15 — (NOT USED)

DIVISION 16 — (NOT USED)

PART 5—DRAWINGS

END OF SECTION

PART 1

BIDDING REQUIREMENTS

City of Newberg
ADVERTISEMENT FOR BID
Water Treatment Plant Bluff Landslide Repair

Sealed bids for the construction of the **Water Treatment Plant Bluff Landslide Repair** for the City of Newberg, Oregon, will be received until 2:00 p.m. prevailing time on September 14, 1999, addressed to Bob Bielman, City Agent, Community Development Office, 719 E. First Street, Newberg, Oregon 97132, at which time and place, all bids will be opened and publicly read aloud by the undersigned or a designated representative.

The project generally consists of, but is not limited to, the construction of repairs to a landslide area on a bluff adjacent to the Water Treatment Plant and above the Willamette River. The plant area is within the Smurfit Newsprint Corporation Paper Mill in south Newberg. This work consists of excavating, hauling of landslide debris for disposal in two areas within the Smurfit Plant area, and filling the slide area with imported shot rock to create a buttress fill. Miscellaneous subsurface drainage pipes at the toe of the rock buttress are included. The approximate landslide debris to be removed is estimated at 4,000 cubic yards and the rock buttress volume is estimated at 6,000 tons. All work is within Yamhill County and above the 100-year flood line of the Willamette River. Permit(s) for construction will be obtained by the City of Newberg.

Plans and Specifications may be obtained at the Community Development Office, 719 E. First Street, Newberg, Oregon 97132 at no charge for the set of documents. Plans and Specifications may also be examined at the same location. Call (503) 537-1240 for office hours.

Bidders must be pre-qualified to perform public contracts in conformance with Oregon Law ORS 279.047. Documentation of State approval must be submitted to the Owner at least seven (7) days prior to the bid opening date.

Each bid must be submitted on the prescribed form in a sealed envelope, clearly marked on the outside the Bidders name, address, phone number and project name. Each bid must be accompanied by a certified check or bid bond payable to the City of Newberg, Oregon, in an amount of not less than 10 percent of the total amount of the bid submitted. The successful Bidder will be required to furnish a bond for faithful performance of the Contract in the full amount of the contract price.

A mandatory prebid conference will be held on September 7, 1999 at 1:00 pm, local time, meeting at the Wastewater Treatment Plant, 2301 Wynooski Road, Newberg, for a transport through the secured Smurfit Newsprint industrial site to the City's Water Plant. A tour of the construction site will follow.

The City of Newberg reserves the right to reject any or all bids, to waive informalities, and to accept the bid which is in the best interest of the City. No Bidder may withdraw their bid for a period of sixty (60) calendar days after the date set for opening.

For technical information concerning the proposed work contact Jerry Jacksha, the Project Engineer, at Squier Associates, Inc., Lake Oswego, Oregon, phone (503) 635-4419, fax (503) 635-1430.

BID

PLACE: CITY OF NEWBERG, OREGON

PROJECT: WATER TREATMENT PLANT
BLUFF LANDSLIDE REPAIR

TO: MAYOR AND CITY COUNCIL
CITY OF NEWBERG, OREGON
P.O. BOX 970
719 E. FIRST STREET
NEWBERG, OREGON 97132

BIDDERS DECLARATION AND UNDERSTANDING

The undersigned, hereinafter called the Bidder, in compliance with the Advertisement for Bid offers to enter into a Contract with the City of Newberg, Oregon, hereinafter referred to as the Owner, to furnish all labor, materials, equipment, supplies and machinery to construct the project in accordance with the Contract Documents, within the time set forth therein, and at the prices stated below.

The Bidder declares that Bidder has carefully examined the plans and specifications with related documents; and has personally inspected the sites of the proposed work; and is satisfied as to the quantities involved including materials and equipment; and is familiar with all of the conditions surrounding the construction of the proposed project including availability of materials and labor.

The Bidder further declares that the Bid is made according to the provisions and under the terms of the Contract Documents, which are hereby made a part of this Bid, and that the prices below are to cover all expenses incurred in performing the work required under the Contract Documents of which this Bid is a part.

The Bidder agrees that if this Bid is accepted, the Bidder will, within fifteen calendar days after notification of acceptance, execute the Contract with the Owner; and will at that time deliver to the Owner the Performance and Payment Bond and insurance documents required herein, and will, to the extent of the Bid, furnish all labor, equipment and materials necessary to complete the work in the manner, in the time, and according to the methods as specified in the Contract Documents and required by the Owner.

The Bidder further agrees to begin work within five calendar days after receipt of written "Notice to Proceed" from the Owner and to fully complete the project within fifty (50) calendar days thereafter. Bidder further agrees to pay as liquidated damages, the sum of Seven Hundred Dollars (\$700.00) for each consecutive calendar day thereafter until the work shall have been finished. Sundays and legal holidays shall be excluded in determining days in default.

The Bidder further proposes to accept as full payment for the work proposed herein the amounts computed under the provisions of the Contract Documents and based on the Bid Schedule Total described herein. The Bidder agrees that the Bid amounts represent a true measure of the labor and materials required to perform the work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents. In case of a discrepancy, the amount shown in words shall govern.

BID

PLACE: CITY OF NEWBERG, OREGON

PROJECT: WATER TREATMENT PLANT
BLUFF LANDSLIDE REPAIR

TO: MAYOR AND CITY COUNCIL
CITY OF NEWBERG, OREGON
P.O. BOX 970
719 E. FIRST STREET
NEWBERG, OREGON 97132

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The Bidder understands that no proposal will be received or considered unless the bid contains statements by the Bidder as a part of the bid that the provisions required by ORS 279.348 through 279.365 and the Davis-Bacon Act, as may be applicable are to be complied with. Applicable state wage rates are included with the Contract Documents.

The undersigned Bidder hereby agrees that the provisions of ORS 279.348 to 279.365 will be complied with, so that the undersigned Bidder and Bidder's subcontractors will pay to their employees not less than the specified minimum prevailing rate of wage as determined by the Oregon Commissioner of the Bureau of Labor and Industries, and further agrees to pay such wages not less than once per week.

The Bidder understands that, when applicable, all bidding shall comply with Presidents Executive Order No. 11246. All Bidders shall comply with the applicable provisions of the Equal Employment Opportunity Act of 1972 and the Civil Rights Act of 1964.

The Bidder shall pay a fee equal to one-tenth of one percent (0.1 percent) of the price of this Contract. The fee shall be paid on or before the first progress payment or sixty (60) days from the date work first began on the Contract, whichever comes first. The fee is payable to the Bureau of Labor and Industries and shall be mailed or otherwise delivered to the Bureau at: Bureau of Labor and Industries, Wage and Hour Division, Prevailing Wage Unit, 800 NE Oregon Street, #32, Portland, Oregon 97232.

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 required Performance- Payment Bond within the time herein proposed, then, in that event, the bid security deposited herewith shall be retained by the Owner as liquidated damages.

The Bidder understands that the Owner may reject any or all bids and waive any informalities in the bidding.

The Bidder agrees that this bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

The Bidder understands that no bid for construction shall be considered unless the Bidder is registered with the Construction Contractors Board as required by ORS 701.035 to 701.055.

The Bidder understands that Bidders on this project do not need to be licensed to do asbestos abatement work under ORS 468A.720.

The Bidder acknowledges receipt of the following addendum.

NO. <u>1</u> DATE <u>09/03/99</u>	NO. _____ DATE _____
NO. _____ DATE _____	NO. _____ DATE _____

The name of the Bidder submitting this Proposal is

Bill Erickson Heavy Construction Inc doing business at
15720 S Harley Ave, Oregon City, OR, 97045
(Street) (City) (State) (Zip)

RELIANCE INSURANCE COMPANY

HEAD OFFICE, PHILADELPHIA, PENNSYLVANIA

PERFORMANCE BOND

Bond No. B281 5262

KNOW ALL MEN BY THESE PRESENTS: That we,

BILL ERICKSON HEAVY CONSTRUCTION, INC.

as Principal, and the RELIANCE INSURANCE COMPANY, a Pennsylvania corporation, as Surety, are held and firmly bound unto

CITY OF NEWBERG

as Oblige, in the sum of

ONE HUNDRED FIFTY SEVEN THOUSAND AND NINE HUNDRED AND FORTY FIVE HUNDREDS) DOLLARS,
for which sum, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally,
by these presents.

WHEREAS, on the 23rd day of September, 1999, the Principal entered
into a contract with the Oblige for

WATER TREATMENT PLANT BLUFF LANDSLIDE REPAIR

which contract is by reference made a part hereof and is hereafter referred to as the Contract;

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION IS SUCH, That, if the Principal shall faithfully
perform said contract according to its terms, covenants, and conditions, then this obligation shall be void; otherwise
it shall remain in full force and effect.

Dated this 23rd day of September 1999,

Bill Erickson Heavy Construction, Inc.

Bill Erickson
President

PRINCIPAL

RELIANCE INSURANCE COMPANY

By

Joy Duttman

ATTORNEY-IN-FACT

RELIANCE SURETY COMPANY
UNITED PACIFIC INSURANCE COMPANY

RELIANCE INSURANCE COMPANY
RELIANCE NATIONAL INDEMNITY COMPANY

ADMINISTRATIVE OFFICE, PHILADELPHIA, PENNSYLVANIA

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that RELIANCE SURETY COMPANY is a corporation duly organized under the laws of the State of Delaware, and that RELIANCE INSURANCE COMPANY and UNITED PACIFIC INSURANCE COMPANY are corporations duly organized under the laws of the Commonwealth of Pennsylvania and that RELIANCE NATIONAL INDEMNITY COMPANY is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called "the Companies") and that the Companies by virtue of signature and seals do hereby make, constitute and appoint Deborah J. Tupper, Judee Ramsthal, Cindy Maden, Tory Dittman, of Portland, Oregon their true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver for and on their behalf and as their act and deed any and all bonds and undertakings of suretyship and to bind the Companies thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the Companies and sealed and attested by one other of such officers, and hereby ratifies and confirms all that their said Attorney(s)-in-Fact may do in pursuance hereof.

This Power of Attorney is granted under and by the authority of Article VII of the By-Laws of RELIANCE SURETY COMPANY, RELIANCE INSURANCE COMPANY, UNITED PACIFIC INSURANCE COMPANY, and RELIANCE NATIONAL INDEMNITY COMPANY which provisions are now in full force and effect, reading as follows:

ARTICLE VII - EXECUTION OF BONDS AND UNDERTAKINGS

1. The Board of Directors, the President, the Chairman of the Board, any Senior Vice President, any Vice President or Assistant Vice President or other officer designated by the Board of Directors shall have power and authority to (a) appoint Attorney(s)-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney(s)-in-Fact at any time and revoke the power and authority given to them.
2. Attorney(s)-in-Fact shall have power and authority, subject to the terms and limitations of the Power of Attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.
3. Attorney(s)-in-Fact shall have power and authority to execute affidavits required to be attached to bonds, recognizances, contracts of indemnity or other conditional or obligatory undertakings and they shall also have power and authority to certify the financial statement of the Company and to copies of the By-Laws of the Company or any article or section thereof.

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the Executive and Finance Committees of the Boards of Directors of Reliance Insurance Company, United Pacific Insurance Company and Reliance National Indemnity Company by Unanimous Consent dated as of February 28, 1994 and by the Executive and Financial Committee of the Board of Directors of Reliance Surety Company by Unanimous Consent dated as of March 31, 1994.

Resolved that the signatures of such directors and officers and the seal of the Company may be affixed to any such Power of Attorney or any certificates relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such Power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company, in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, the Companies have caused these presents to be signed and their corporate seals to be hereto affixed, this February 23, 1999.

RELIANCE SURETY COMPANY
 RELIANCE INSURANCE COMPANY
 UNITED PACIFIC INSURANCE COMPANY
 RELIANCE NATIONAL INDEMNITY COMPANY



STATE OF Washington)
 COUNTY OF King) ss.

On this, February 23, 1999, before me, Laura L. Wadsworth, personally appeared Mark W. Aisup, who acknowledged himself to be the Vice President of the Reliance Surety Company, Reliance Insurance Company, United Pacific Insurance Company, and Reliance National Indemnity Company and that as such, being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as its duly authorized officer.

In witness whereof, I hereunto set my hand and official seal.



Laura L. Wadsworth
 Notary Public in and for the State of Washington
 Residing at Puyallup

I, Robyn Layng, Assistant Secretary of RELIANCE SURETY COMPANY, RELIANCE INSURANCE COMPANY, UNITED PACIFIC INSURANCE COMPANY, and RELIANCE NATIONAL INDEMNITY COMPANY do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 23 day of September year of 1999



Robyn Layng
 Assistant Secretary

CERTIFICATE OF INSURANCE

COMPANY:

SAIF Corporation
Portland Office
P.O. Box 2775
Portland, OR 97208-2775

THIS CERTIFICATE IS ISSUED AS A MATTER OF
INFORMATION ONLY AND CONFERS NO RIGHTS TO THE
CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT
AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED
BY THE POLICIES BELOW.

INSURED:

Bill Erickson Heavy Construction Inc
PO Box 1900
Oregon City, OR 97045

THE POLICY OF INSURANCE LISTED BELOW HAS BEEN ISSUED TO THE INSURED NAMED ABOVE
FOR THE POLICY PERIOD INDICATED. THE INSURANCE AFFORDED BY THE POLICY DESCRIBED
HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICY.

POLICY NO.	POLICY EFF DATE	POLICY EXP DATE	LIABILITY LIMITS
812467	10/01/1999	09/30/2000	(in thousands)

WORKERS' COMPENSATION**STATUTORY**

\$100 (each accident)
\$100 (each employee)
\$500 (Disease, Policy)

OTHER COVERAGE AFFORDED:**DESCRIPTION OF OPERATIONS/LOCATIONS/SPECIAL ITEMS:**

AUTHORIZED REPRESENTATIVE:



Issue Date (09/23/1999)

MAGHUL

Certificate Holder:

City of Newberg
Community Development Dept.
Attn: Robert Bielman, City Agent
P.O. Box 970
Newberg, OR 97132

ACORD CERTIFICATE OF LIABILITY INSURANCEDATE (MM/DD/YY)
09/24/1999

PRODUCER (503)239-4116

FAX (503)231-9021

LaPorte & Associates, Inc.
5515 S.E. Milwaukie Avenue
Portland, OR 97202

Attn: Diane Akasakas

Ext: 122

INSURED Bill Erickson Heavy Construction, Inc.
P.O. Box 1900
Oregon City, OR 97045

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.

COMPANIES AFFORDING COVERAGE

COMPANY A Transportation Insurance Co

COMPANY B

COMPANY C

COMPANY D

COVERAGE

THIS IS TO CERTIFY THAT 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. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

CO LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☒ CLAIMS MADE ☒ OCCUR OWNER'S & CONTRACTOR'S PROT	C01078581115	05/02/1999	05/02/2000	GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPROP AGG \$ 2,000,000 PERSONAL & ADV INJURY \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any one fire) \$ 50,000 MED EXP (Any one person) \$ 5,000
	AUTOMOBILE LIABILITY ☒ ANY AUTO ALL OWNED AUTOS SCHEDULED AUTOS HIRED AUTOS NON-OWNED AUTOS				COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
	GARAGE LIABILITY ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN AUTO ONLY: \$ EACH ACCIDENT \$ AGGREGATE \$
A	EXCESS LIABILITY ☒ UMBRELLA FORM OTHER THAN UMBRELLA FORM	C1078581132	05/02/1999	05/02/2000	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY THE PROPRIETOR/PARTNERS/EXECUTIVE OFFICERS ARE: ☐ INCL ☒ EXCL OTHER				WC STATUTORY LIMITS OTHER EL EACH ACCIDENT \$ EL DISEASE - POLICY LIMIT \$ EL DISEASE - EA EMPLOYEE \$

DESCRIPTION OF OPERATION/LOCATION/VEHICLE/SPECIAL ITEMS

All operations of the named insured in accordance with the terms and conditions of the above captioned policy. Applies to: Water Treatment Plant Bluff Landslide Repair project.

CERTIFICATE HOLDERCity of Newberg
Robert Bielman, City Agent
PO Box 970
Newberg, OR 97132**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 10 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 COMPANY, ITS AGENTS OR REPRESENTATIVES.

AUTHORIZED REPRESENTATIVE

Mark R. Brown

ACORD 101 (1/99)

ACORD CORPORATION 1988

LUMP SUM AND UNIT PRICE BID

The Bidder agrees to accept as full payment for the lump sum and unit price work items, as defined in these Contract Documents and based upon the Bid Schedule Table below.

BID SCHEDULE TABLE

NO.	ITEM	ESTIMATED QUANTITY	LUMP SUM/ UNIT PRICE AMOUNT	ITEM TOTAL AMOUNT
1.	Mobilization/Demobilization	LS	\$ _____	\$ 7,000
2.	Access Road to Slide - Completed	LS	\$ _____	\$ 4,000
3.	Erosion/Siltation Systems - Installed	LS	\$ _____	\$ 6,000
4.	Clearing and Disposal - Completed	LS	\$ _____	\$ 6,500
5.	Excavate and Dispose Landslide Debris	4,000 CY	\$ 7.25	\$ 29,000
6.	Buttress Rock Fill In place	5,000 Ton	\$ 14.75	\$ 73,750
7.	Ramp to Buttress Rock Fill - In place	1,000 Ton	\$ 16.50	\$ 16,500
8.	Geotextile Under Rock Fill - In place	200 SY	\$ 12.00	\$ 2,400
9.	Drainage Rock - In place	150 Ton	\$ 20.00	\$ 3,000
10.	Misc. Drainage/Culvert Pipe - Installed	LS	\$ _____	\$ 3,800
11.	Slope Protection Material - In place	900 SY	\$ 4.55	\$ 4,095
12.	Bonding and Insurance	LS	\$ _____	\$ 1,900
BID SCHEDULE TOTAL AMOUNT			\$ 157,945.00 (figure)	

The following BID SCHEDULE TOTAL AMOUNT from this Table is:

One hundred fifty seven thousand nine hundred forty five Dollars
(in writing)

and no Cents
(in writing)

RESIDENT/NONRESIDENT BIDDER STATUS

Oregon law requires that the Owner, in determining the lowest responsible Bidder, must add a percent increase on the Bid of a nonresident Bidder equal to the percent, if any, of the preference given to that Bidder in the state in which that Bidder resides. Consequently, each Bidder must indicate whether it is a resident or nonresident Bidder, as defined in ORS 279.029. A resident Bidder is a Bidder that has paid unemployment taxes or income taxes in the state of Oregon during the 12 calendar months immediately preceding submission of this Bid, has a business address in Oregon, and has stated in its Bid whether the Bidder is a "resident Bidder". A "nonresident Bidder" is a Bidder who is not a resident Bidder.

The undersigned states that it is: (check one)

1. A resident Bidder YES 2. A nonresident Bidder _____

Indicate state in which Bidder resides: Oregon

BIDDER'S PERFORMANCE BOND STATEMENT

Bill Erickson Heavy Construction Inc, hereinafter referred to as Bidder is
(Name of Bidder)
submitting a Bid to the City of Newberg pursuant to the latter's Advertisement for Bids, dated August, 1999, for the **Water Treatment Plant Bluff Landslide Repair**.

Bidder certifies that if awarded the Contract, Bidder has the financial ability to obtain a good and sufficient bond issued by a surety to Owner in a sum equal to the amount of the Bid providing for the faithful performance of the Contract.

Bidder understands and agrees that if Bidder fails to provide the performance bond, the Owner will reject such Bid and the Bid Bond or security submitted with the subject Bid will be forfeited. The Surety requested to issue the Performance Bond will be Reliance Insurance Company
(Surety Company)

Bidder hereby authorizes Reliance Ins Co to disclose any information to the Owner
(Surety Company)
to the Owner concerning Bidder's ability to supply a performance bond in the amount of the Contract.

In witness thereto the undersigned has set their hand this 14th day of Sept, 1999.

BIDDER

The name of the Bidder submitting this Bid is Bill Erickson Heavy Construction Inc
PO Box 1900
doing business at 15720 S Harley Ave, Oregon City, OR, 97045
(Street) (City) (State) (Zip)
which is the address to which all communications shall be sent.

(If Sole Proprietor or Partnership)

In witness thereto the undersigned has set his hand this ____ day of _____ 1999.

Signature of Bidder

Print Name

Title

(If Corporation)

In witness whereof the undersigned corporation has caused this instrument to be executed and the seal affixed by its duly authorized officers this 14th day of September 1999.

Bill Erickson Heavy Construction Inc
Name of Corporation

By Bill Erickson

Print Name Bill Erickson

President

Title

Attest Mary M. Huit

Secretary

RELIANCE INSURANCE COMPANY

HOME OFFICE, PHILADELPHIA, PENNSYLVANIA

BID BOND

APPROVED BY THE AMERICAN INSTITUTE OF ARCHITECTS

A.I.A. DOCUMENT NO. A-310 (FEB. 1970 ED.)

KNOW ALL MEN BY THESE PRESENTS, THAT WE

BILL ERICKSON HEAVY CONSTRUCTION, INC.

as Principal, hereinafter called the Principal, and the RELIANCE INSURANCE COMPANY of Philadelphia, Pennsylvania, a corporation duly organized under the laws of the State of Pennsylvania, as Surety, hereinafter called the Surety, are held and firmly bound unto

CITY OF NEWBERG

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

TEN PERCENT OF THE ATTACHED BID-----

Dollars (\$ 10% of attached-----),

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

WHEREAS, the Principal has submitted a bid for

WATER TREATMENT PLANT BLUFF LANDSLIDE REPAIR

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

Signed and sealed this 14th

day of AUGUST 1999 A.D.

BILL ERICKSON HEAVY CONSTRUCTION, INC.

Bill Erickson

(Principal)

(Seal)

President

(title)

Mary M. Dill
(Witness)

RELIANCE INSURANCE COMPANY

Jory Duttman

RELIANCE SURETY COMPANY

RELIANCE INSURANCE COMPANY

UNITED PACIFIC INSURANCE COMPANY

RELIANCE NATIONAL INDEMNITY COMPANY

ADMINISTRATIVE OFFICE, PHILADELPHIA, PENNSYLVANIA

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, that RELIANCE SURETY COMPANY is a corporation duly organized under the laws of the State of Delaware, and that RELIANCE INSURANCE COMPANY and UNITED PACIFIC INSURANCE COMPANY are corporations duly organized under the laws of the Commonwealth of Pennsylvania and that RELIANCE NATIONAL INDEMNITY COMPANY is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called "the Companies") and that the Companies by virtue of signature and seals do hereby make, constitute and appoint Deborah J. Tupper, Judae Ramsthal, Cindy Maden, Tory Dittman, of Portland, Oregon their true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver for and on their behalf, and as their act and deed any and all bonds and undertakings of suretyship and to bind the Companies thereby as fully and to the same extent as if such bonds and undertakings and other writings obligatory in the nature thereof were signed by an Executive Officer of the Companies and sealed and attested by one other of such officers, and hereby ratifies and confirms all that their said Attorney(s)-in-Fact may do in pursuance hereof.

This Power of Attorney is granted under and by the authority of Article VII of the By-Laws of RELIANCE SURETY COMPANY, RELIANCE INSURANCE COMPANY, UNITED PACIFIC INSURANCE COMPANY, and RELIANCE NATIONAL INDEMNITY COMPANY which provisions are now in full force and effect, reading as follows:

ARTICLE VII - EXECUTION OF BONDS AND UNDERTAKINGS

1. The Board of Directors, the President, the Chairman of the Board, any Senior Vice President, any Vice President or Assistant Vice President or other officer designated by the Board of Directors shall have power and authority to (a) appoint Attorney(s)-in-Fact and to authorize them to execute on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof, and (b) to remove any such Attorney(s)-in-Fact at any time and revoke the power and authority given to them.
2. Attorney(s)-in-Fact shall have power and authority, subject to the terms and limitations of the Power of Attorney issued to them, to execute and deliver on behalf of the Company, bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof. The corporate seal is not necessary for the validity of any bonds and undertakings, recognizances, contracts of indemnity and other writings obligatory in the nature thereof.
3. Attorney(s)-in-Fact shall have power and authority to execute affidavits required to be attached to bonds, recognizances, contracts of indemnity or other conditional or obligatory undertakings and they shall also have power and authority to certify the financial statement of the Company and to copies of the By-Laws of the Company or any article or section thereof.

This Power of Attorney is signed and sealed by facsimile under and by authority of the following resolution adopted by the Executive and Finance Committees of the Boards of Directors of Reliance Insurance Company, United Pacific Insurance Company and Reliance National Indemnity Company by Unanimous Consent dated as of February 28, 1994 and by the Executive and Financial Committee of the Board of Directors of Reliance Surety Company by Unanimous Consent dated as of March 31, 1994.

Resolved that the signatures of such directors and officers and the seal of the Company may be affixed to any such Power of Attorney or any certificates relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be valid and binding upon the Company and any such Power so executed and certified by facsimile signatures and facsimile seal shall be valid and binding upon the Company, in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, the Companies have caused these presents to be signed and their corporate seals to be hereto affixed, this February 23, 1999.

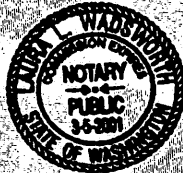


RELIANCE SURETY COMPANY
RELIANCE INSURANCE COMPANY
UNITED PACIFIC INSURANCE COMPANY
RELIANCE NATIONAL INDEMNITY COMPANY

STATE OF Washington }
COUNTY OF King } ss.

On this, February 23, 1999, before me, Laura L. Wadsworth, personally appeared Mark W. Alsup, who acknowledged himself to be the Vice President of the Reliance Surety Company, Reliance Insurance Company, United Pacific Insurance Company, and Reliance National Indemnity Company, and that as such, being authorized to do so, executed the foregoing instrument for the purpose therein contained by signing the name of the corporation by himself as its duly authorized officer.

In witness whereof, I hereunto set my hand and official seal.



Laura L. Wadsworth
Notary Public in and for the State of Washington
Residing at Puyallup

I, Robyn Layng, Assistant Secretary of RELIANCE SURETY COMPANY, RELIANCE INSURANCE COMPANY, UNITED PACIFIC INSURANCE COMPANY, and RELIANCE NATIONAL INDEMNITY COMPANY do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies which is still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 14th day of September, year of 1999.



Robyn Layng
Assistant Secretary

February 24, 1999

BILL ERICKSON HEAVY CONSTRUCTION, INC.
15720 SOUTH HARLEY AVE
PO BOX 1900
OREGON CITY, OR 97045

MAR 02 1999

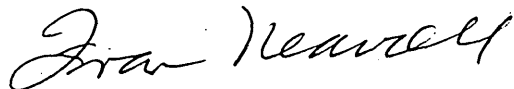
Your prequalification application dated February 15, 1999
to bid on various classes of work has been approved.

This prequalification pertains only to the submission
of bid proposals and does not cover your financial
ability. For any proposal to be considered responsive
for any particular contract, the proposal must be
accompanied with a bid security in the form set forth
in ORS 279.027(3) as evidence of your ability to obtain
a surety bond for the faithful performance of the contract.

This office must be promptly notified of any substantial
change of conditions or circumstances which would make
any statement in your application untrue or no longer
applicable.

This filing expires on March 01, 2000.

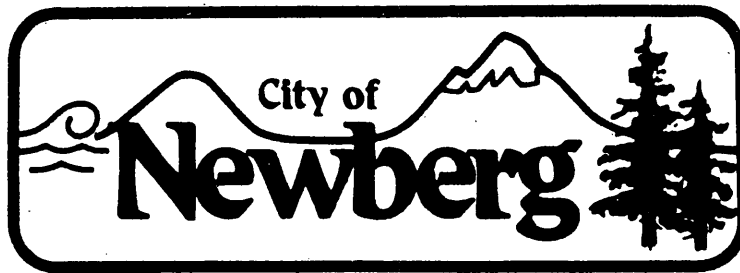
If you wish to appeal any of the conditions of this
prequalification you must notify this office in writing
in accordance with ORS 279.043 and ORS 279.045 within
three business days after receipt of this notice. This
office will notify the Director of the Department of
Administrative Services of your appeal and the Director
will notify you of the time and place of the hearing.



Fran Neavoll
Department of Transportation
Contracts Unit
307 Transportation Building
Salem, OR 97310



Transportation Building
Salem, OR 97310



City Manager
(503) 538-9421

City Attorney
(503) 537-1208

414 E. First St.
Newberg, Oregon 97132

City FAX
(503) 538-5393

Community Development Office

P.O. Box 970 • 719 E. FIRST STREET • NEWBERG, OR 97132 • (503) 537-1240 • FAX: (503) 537-1272

ADDENDUM NO. 1

WATER TREATMENT PLANT BLUFF LANDSLIDE REPAIR

September 2, 1999

This addendum forms a part of the Contract Documents. It modifies the original bidding documents.

1. Insert the attached pages in the Contract documents as indicated.

Prequalification forms may be submitted with the bid proposal.

Bidders shall acknowledge on Page 2 of the Bid Documents that they have received this addendum by writing in addendum number and date received.

Robert Bielman, Agent
City of Newberg

A:\Addendum1.wpd

Building: 537-1240 • Community Development: 537-1210 • Finance: 537-1201 • Fire: 537-1230
Library: 538-7323 • Municipal Court: 537-1203 • Police: 538-8321 • Public Works: 537-1214 • Utilities: 537-1205
Municipal Court Fax: 537-1277 • Community Development Fax: 537-1272 • Library Fax: 538-9720

"Working Together For A Better Community-Serious About Service"

ADDENDUM NO.1
TO THE CONTRACT DOCUMENTS
for the construction of WATER TREATMENT
PLANT BLUFF LANDSLIDE REPAIR

DATE: August 31,1999

To All Planholders:

Gentlemen:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of Water Treatment Plant Bluff Landslide Repair, as fully and completely as if the same were fully therein:

A. STANDARD SPECIFICATIONS

1. Section 01001, GENERAL REQUIREMENTS

- a. Page 6, Item 6.05, PLANT SECURITY AND ACCESS, add the following paragraph:
 - C. For additional site access over the Smurfit's wood stave pipe, refer to requirements specified under Section 02200, EARTHWORK, PART 3, EXECUTION.

2. Section 02100, CLEARING, PART 4, MEASUREMENT AND PAYMENT.

- a. Page 2, Item 4.01, delete paragraphs A and B, and replace with the following:
 - A. Payment for work in this section, exclusive of vegetation and stripping will be included as part of the lump sum bid.
- b. Page 2, add the following Item:
 - 4.02 VEGETATION AND STRIPPING**
 - A. Measurement for vegetation and stripping excavation, hauling, and disposal, including placement, compaction, and grading at the disposal site shall be based on the cubic yard determined by truck measure as determined by the Engineer.

- B. Payment for vegetation and stripping hauling and disposal shall be based on the unit price per cubic yard as stated in the CONTRACTOR's Proposal under "Excavation and Disposal Landslide Debris", and the number of cubic yards satisfactorily hauled and disposal, as shown and/or specified. Payment shall constitute full compensation for the work as specified herein.
- C. Quantities for payment purposes shall be the number of trips approved by the ENGINEER for each days work.

3. Section 02200, EARTHWORK

- b. Page 7, Item 2.13, delete paragraph and replace with the following paragraphs:

- A. For lower portion of rock fill were lift width is greater than 10 feet, compaction equipment shall be by a dozer, as a minimum, equivalent to a Caterpillar D6 with a weight of at least 38,000 pounds.
- B. For the upper portion of rock fill were lift width is less than 10 feet, compaction equipment shall be by a dozer, as a minimum, equivalent to a Caterpillar D4 with a weight of at least 19,000 pounds.

- b. Page 10, Item 3.09, add the following paragraph:

- B. For rock fill lifts with a width of less than 12 feet, compact by obtaining as much coverage as possible for the width of the lift. Make sufficient passes to compact and "key in" the rock fill into the native soil slope and to compact the otter edge of the rock fill by using the specified compaction equipment. Complete coverage of the narrow lift width will not be required.

- c. Page 11, add item 3.15 as follows:

3.15 ACCESS ROADWAY OVER WOOD STAVE PIPE

- A. If the Contractor desires to develop an additional access roadway over the wood stave pipe, materials for the construction of the access roadway shall not touch the pipe and shall not be placed close enough to impact the structural integrity of the pipeline or

pipeline joints. Design and constructions methods by the Contractor for the crossing shall be approved by the ENGINEER.

All Bidders shall acknowledge receipt and acceptance of this Addendum No.1 in the Proposal or by submitting the Addendum with the bid package. Proposals submitted without acknowledgement or with Addendum will be considered informal.

CITY OF NEWBERG

Bob Bielman

Receipt acknowledge and conditions agreed to this _____ day of _____, 1999.

Bidder

By

* * * * *

BID BOND

BOND NO. _____

AMOUNT: \$ _____

KNOW ALL PERSONS BY THESE PRESENTS, that _____

hereinafter called the PRINCIPAL, and _____

a corporation duly organized under the laws of the State of _____,

having its principal place of business at _____

_____ in the State of _____

_____ and authorized to do business in the State of Oregon, as SURETY, are

held and firmly bound unto _____

hereinafter called the OBLIGEE, in the sum of _____

_____ DOLLARS (\$ _____), for the payment of which we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the PRINCIPAL is herewith submitting his or its Bid Proposal for _____

_____ said Bid Proposal, by reference thereto, being hereby made a part hereof.

NOW, THEREFORE, if the Bid Proposal submitted by the PRINCIPAL is accepted, and the Contract awarded to the PRINCIPAL, AND IF THE principal SHALL EXECUTE THE PROPOSED Contract and shall furnish such Performance and Payment Bond as required by the Contract Documents within the time fixed by the Documents, then this obligation shall be void; if the PRINCIPAL shall fail to execute the proposed Contract and furnish the bond, the SURETY hereby agrees to pay to the OBLIGEE the said sum as liquidated damages, within 10 days of such failure.

Signed and sealed this _____ day of _____, 19 ____.

PRINCIPAL

By _____

SURETY

By _____
Attorney-In-Fact

PREVAILING WAGE RATES

The provisions of ORS 279.334, 187.010 to 187.020 and 279.356 are applicable to work under this CONTRACT. In accordance with ORS 279.352, the prevailing minimum hourly rates of wage as determined by the Bureau of Labor shall be paid to workers in each trade or occupation employed in the performance of the work under this CONTRACT.

A copy of the PREVAILING WAGE RATES is included herein.

END OF SECTION

PREVAILING WAGE RATES

for

Public Works Contracts in Oregon



OREGON BUREAU OF LABOR AND INDUSTRIES

Jack Roberts
Commissioner
Bureau of Labor and Industries

Effective July 1, 1999

JACK ROBERTS
COMMISSIONER



SUITE 1045
800 NE OREGON, # 32
PORTLAND, OREGON 97232

BUREAU OF LABOR AND INDUSTRIES

July 1, 1999

Under Oregon law, the Commissioner of the Bureau of Labor and Industries publishes the state's prevailing wage rates twice annually, in January and July, with quarterly updates in April and October. The rates are determined using a statewide construction industry wage survey of occupations and crafts performing commercial, heavy and highway construction in 14 specific geographic regions of the state. The 1998 survey collected 1.2 million hours of construction employment wage information for over 100 craft occupations, reported by contractors for a peak week of employment between June 21 and August 15, 1998. The 1999 survey will soon be underway.

Prevailing wage rates are the minimum wages that must be paid to all workers employed in the construction, reconstruction, major renovation or painting of all public works, unless specifically exempted by state law. Copies of these rates must be incorporated into all bid specifications when the advertisement for such public works contracts is issued. A provision that prevailing wage rates must be paid must also appear in the contract. The rates in effect at the time the bid specifications are first advertised are those that apply for the duration of the project, with one exception: If, during the bidding process, the prevailing wage rates change, the public contracting agency has the option of amending the bid specifications to reflect such changes.

If you identify any errors in the rates published, please bring them to the attention of the Prevailing Wage Rate Coordinator in Portland (503-731-4074). If you have any questions about the manner in which the prevailing wage rates are enforced, contact the Wage and Hour Division in Portland (503-731-4074), or any of the bureau's field offices.

JACK ROBERTS
Commissioner
Bureau of Labor & Industries

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The Appendix section is to be used only for regions/trades specified in pages 15 through 55. Refer to pages 15 through 55 before using rates in the Appendix section.

A list of debarred contractors and all forms necessary to comply with ORS 279.348 through ORS 279.375 may be found in the back of this booklet.

Contractors are encouraged to use and keep on file the forms provided as master copies for use on future prevailing wage rate projects.

THIS INFORMATION IS AVAILABLE IN AN ALTERNATE FORMAT

Pursuant to ORS 279.348 to ORS 279.380, the prevailing wage rates contained in this booklet have been adopted for use on public works contracts in Oregon. Additional copies of this booklet are available for \$2.00 each.

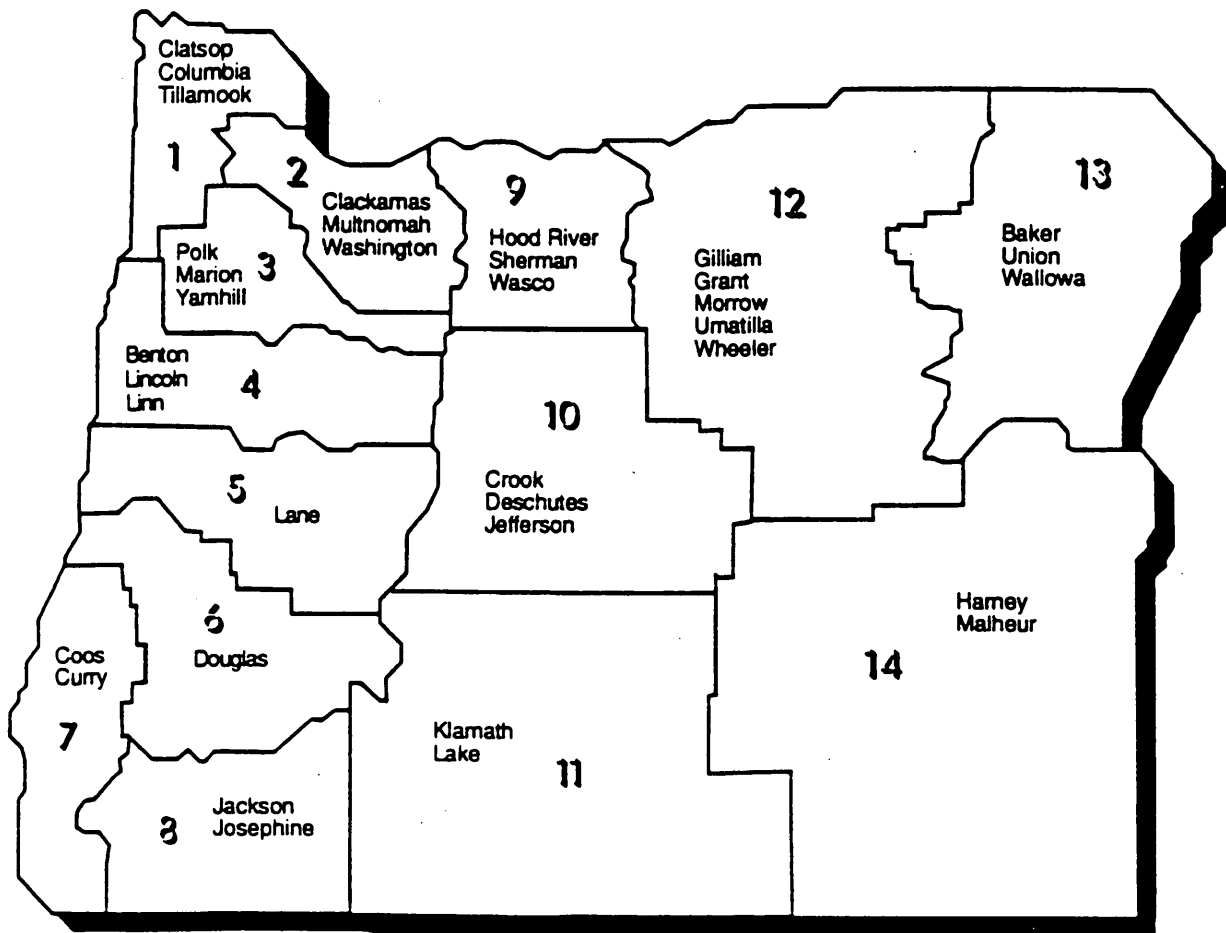
For specific information or questions regarding prevailing wage law, you may obtain a "Prevailing Wage Rate Law" handbook by contacting the nearest Oregon Bureau of Labor and Industries office.

All of the information in this booklet can be accessed and printed from the Internet at:
www.boli.state.or.us

Bureau Offices

Bend	1250 NE 3 rd , #B-105, Bend, OR 97232	(541) 388-6330
Eugene	165 E. 7 th , Room 220, Eugene, OR 97401	(541) 686-7623
Medford	700 E. Main, Suite 105, Medford, OR 97504	(541) 776-6270
Portland	800 NE Oregon St, # 32, Portland, OR 97232	(503) 731-4074
Salem	3865 Wolverine St. NE, Bldg. E-1, Salem, OR 97305	(503) 378-3292

PREVAILING WAGE RATE REGIONS



DEFINITIONS OF COVERED OCCUPATIONS

1. **Asbestos Workers/Insulators**

Installation of insulation on mechanical systems for thermal and acoustical purposes. Also the installation of fire stop penetrations on electrical and mechanical systems.

Mechanical systems include pipes, boilers, ducts, flues, breaching, grease ducts and acid ducts. This also includes all labor connected with the handling and distribution of materials for these systems.

Hazardous Materials Handler/Mechanic

The removal of all regulated materials from mechanical systems is exclusively the work of Hazardous Materials Handlers, unless the mechanical systems are going to be scrapped. Laborers do all removal of regulated materials on mechanical systems to be scrapped and any non-mechanical (walls, ceiling floors, beams, etc.) insulation. Laborers also do loading of any regulated material after it has been removed, bagged, and tagged, as well as cleanup at the removal site and all work done at the disposal site. Persons performing the removal of contained regulated materials are classified as Laborers (#18).

NOTE: Regulated materials are those materials that are regulated for the purpose of protecting the environment or for personal protection by EPA, OSHA, DEQ, or Federal OSHA.

2. **Boilermakers**

Construct, assemble, maintain and renovate stationary steam boilers and boiler house auxiliaries. Align structures or plate sections to assemble boiler frame tanks or vats, following blueprints. Work involves use of hand and power tools, plumb bobs, levels, wedges, dogs or turnbuckles. Assist in testing assembled vessels. Direct cleaning of boilers and boiler furnaces. Inspect and reconstruct boiler fittings, such as safety valves, regulators, automatic-control mechanisms, water columns, and auxiliary machines.

3. **Bricklayers/Stonemasons**

Bricklayers

Lay building materials, such as brick, structural tile, concrete, cinder, glass, gypsum and terra cotta block (except stone), to construct or renovate walls, partitions, arches, sewers, and other structures. Include Refractory Brickmasons, when working on site of construction.

Stonemasons

Build stone structures, such as piers, walls, and abutments. Lay walks, curbstones, or special types of masonry for vats, tanks and floors.

DEFINITIONS OF COVERED OCCUPATIONS

4. **Carpenters**

Construct, erect, install and renovate structures, fixtures and equipment of wood, plywood and wallboard using carpentry tools and woodworking machines.

Carpenter 1

Auto nailing machine, Form Stripper, Floor Layers, Stationary Power Saw Operator.

Carpenter 2

Cabinet and Shelving Installers, Floor Finishers, Wall & Ceiling Insulators, Irritating insulation.

Drywall/Acoustical Carpenters

Ceiling Tile Installers and Acoustical Carpenters (exclude carpet, wood or hard tile installers); Drywall Installer (apply plasterboard or other wallboard to ceilings and interior walls)

Marine Carpenters

Bridge, Dock and Wharf Builders; Piledrivermen; Boom Men; Marine Piledrivers

5. **Millwrights/Machine Erectors**

Mechanics specializing in installing new heavy machinery.

6. **Cement Masons**

Apply cement, sand, pigment or marble chips to floors, stairways and cabinet fixtures to finish and attain durable and decorative surfaces, according to specifications and drawings. Finish surfaces to remove imperfections from freshly poured concrete walls, roads, walkways and ornamental stone facings of concrete structural products. Include Concrete Rubbers.

Cement Masons, finishing, hand chipping, patching, grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, planks, stakes, lines and grades. Grinding of concrete done as preparatory to patching or when done to produce a finished concrete product.

Composition workers (includes installation of epoxy and other resinous toppings), and power machine operators.

Cement Masons working on suspended, swinging and/or hanging scaffold.

(NOTE: Tenders to Cement Masons are found in Concrete/Cement Laborers. See #18)

DEFINITIONS OF COVERED OCCUPATIONS

7. Divers & Divers' Tenders

Diver

An underwater worker supplied with air, usually by a pipeline from the surface, who lays foundations for bridge piers, reconstructs underwater walls, uses underwater cutting and welding tools and the cement gun; also may do underwater carpentry, steel plating and shipwright's work.

Divers' Tenders

Work on the surface to monitor gauges for divers.

8. Dredging Operations

Assistant Engineer (including Machinist, Mechanic, Oiler, Watch Engineer, Welder), Assistant Mate ("Deckhand"), Boatman, Fill Equipment Operator, and Leverman. Operate power-driven dredge to mine sand, gravel or other materials from bays, lakes, ponds, rivers or streams, and to excavate and maintain navigable channels in waterways (excludes Floating Construction Equipment - see Power Equipment Operators #23).

9. Painters & Drywall Tapers

Painters: Brush, Roller, Machine (Spray and Sandblasting)

Paint walls, equipment, buildings, bridges, and other structural surfaces, using brushes, rollers and spray guns. May mix colors or oils to obtain desired color or consistency. Also applies wall coverings.

Drywall Tapers

Seals joints between plasterboard and other wallboards to prepare wall surface for painting or papering.

10. Lathers

Fasten wooden, metal or rockboard lath to walls, ceilings and partitions of buildings to provide supporting base for plaster, fireproofing or acoustical material.

11. Electricians

Install, in new construction or reconstruction, electrical wiring, equipment and fixtures. Insure that work is in accordance with relevant codes. Includes all inside wiring or cable splicing. May read blueprints.

Electrical Material Handler

Handles and maintains order of all electrical material, tools and equipment on job site, delivering materials to licensed electricians. Must not install electrical material or utilize equipment (i.e. switch gear, motor control centers, transformers, motors, light fixtures, etc.). Note: This classification applies exclusively to electrical materials. If worker deploys and handles other types of materials, in addition to electrical materials, or performs general site cleanup see Laborer. (#18)

DEFINITIONS OF COVERED OCCUPATIONS

12. Limited Energy Electrician

May only be used for electrical work not exceeding 100 va in class II and III installations (as defined in Article 725 of the National Electrical Code). Includes computer cabling.

13. Line Construction

Install and reconstruct cable or wires used in electrical power or distribution systems. Install insulators; erect wood poles and light or heavy-duty transmission towers. Includes cable splicers and troubleshooters. Excludes repairers of transformers and substation equipment and telephone and telegraph communications workers.

Cable Splicer, Leadman, Pole Sprayer

Splices and/or terminates power cables which are designed to be used for voltages above 2,000. Splices and/or terminates gas or liquid filled power cables, when part of a distribution system outside of buildings.

Certified Lineman Welder, Heavy Line Equipment Man, Lineman, Pole Sprayer

Tree Trimmer

Head Groundman, Jackhammer Man, Powderman

Line Equipment Man

Groundman

14. Elevator Construction

Installers and Mechanics

Assemble, install and renovate electric and hydraulic freight and passenger elevators, escalators and dumbwaiters.

Assistant to Mechanics

Works at direction of elevator mechanic.

15. Glaziers

Install glass in windows, skylights, storefronts or on surfaces such as building fronts, interior walls, or ceilings at construction sites.

16. Highway and Parking Stripers

Paint highway and parking structural surfaces of streets, highways, parking lots, airports, curbs, etc., using manually or mechanically propelled machines, brushes, rollers, and/or spray guns. Installation of any device or application of any material used in lieu of paint for traffic delineation, such as buttons, tapes, plastics, rumble bars, etc.

DEFINITIONS OF COVERED OCCUPATIONS

17. Ironworkers

Structural & Reinforcing Metal Workers

Raise, place and unite girders, columns and other structural steel members including prefabricated or precast concrete beams or structural steel member, to form completed structures and structural frameworks. Perform layout work for rods within project area. Fasten rods in place with wire or fasteners; bend or adjust as required, using cutting, welding or rod bending machine. Perform layout work and proper placing of steel in concrete forms, including prefabricated assembly for placement complete in forms. May spin suspension bridge cables or perform other related ironwork duties.

Fence Erectors

Erect and renovate *metal* fences, fence gates and ornamental metal fencing around highways, industrial and commercial establishments, using hand and power tools. (NOTE: Wooden fence erectors are classified as Laborers. (see #18))

18. Laborers, Material Movers (Hand), Flaggers

All general laborers and material movers, Flaggers, not classified separately. (NOTE: Use Laborer classifications for moving materials and incidental assistance. Use Tender classifications when the primary duty is to assist a particular occupational class. See #30 and #31 for Tender classifications.)

Group 1 Laborer

Asphalt Spreaders	Road Oiling Crew Dumpers	Signalman
Batch Weighman	Dumpmen for Grading Crew	Skipman
Broomers	Elevator Feeders	Slopers
Brush Burners/Cutters	Fine Graders	Spraymen
Carpenter Tender	Fire Watch	Stake Chaser
Car and Truck Loaders	Form Strippers	Stockpiler
Change-House Man	Material Yard Man	Tie Back Shoring
Chipper Operator	Powderman Assistant	Timber Faller/Bucker (hand labor)
Choke Setter	Railroad Track Laborers	Toolroom Man (job site)
Clean-Up Laborers	Ribbon Setters	Weight Man-Crusher
Concrete Curing	Rip Rap Man (hand placed)	Wood Fence Builder
Demolition Wrecking, Industrial	Road Pump Tender and Moving	NOTE: Landscape Laborer – see #19
Driller Assistant	Sewer Laborer	
Dry-Shack Man		

Group 2 Laborer

Applicators	Concrete Power Buggyman	Post Hole Digger (air, gas or electric)
Brush Cutters	Crusher Feeder	Power Tool Operators
Burners	Demolition/Wrecking	Sandblasting (wet)
Cement/Concrete Laborers (hand)	Doping and Wrapping Pipe	Stake Setter
Choker Splicer	Gunite Nozzleman Tender	Tampers
Clay Power Spreader	Gunite or Sandblasting Pot Tender	Vibrating Screed
Clean Up Nozzleman- Green Cutter	Handlers/Mixers	

DEFINITIONS OF COVERED OCCUPATIONS

Laborers (Continued)

Group 3 Laborer

Scrapped and Contained Asbestos Removal
Bit Grinder
Concrete Saw Operator
Drill Doctor
Drill Operators
Gunit Nozzleman

Laser Beam
Manhole Builder
Nippers and Timbermen
Nuclear Plant Worker (lead shield)
Power Saw Operators
Sandblasting (dry)
Sewer Timberman

Strippers
Track Liners
Tugger Operator
Vibrators
Water Blaster
Welder

Group 4 Laborer

Asphalt Rakers
Concrete Nozzleman
Grade Checker
High Scalers
Laser Beam (tunnel), applicable when employee assigned to move, set up, align laser beam.

Motorman - Dinky Locomotive
Loop Installation
Pipe Layer
Powder Men
Pumpcrete Nozzleman
Shield Operator
Tunnel Miners

Tunnel Powderman
Tunnel Bull Gang (above ground)
Tunnel Muckers
Brakemen/Concrete Crew Bull Gang (underground)
Tunnel - Chuck Tenders

Cleanup Laborers (building only), demolition, wrecking & moving

Flagger (certified)

A Laborer who controls vehicular traffic by means of brightly colored flags and/or signs.

19. Landscape Construction

Beautification of a plot of land by changing its natural features through the addition or modification of lawns, trees and bushes.

Landscape Laborer/Technician

Performs seeding, planting, mulching, land clearing and top soil spreading by the use of hand tools. With hand tools and power equipment less than 90 horsepower: Clear land, trench to maximum depth of three feet below finish grade, hydroseed, apply chemicals and fertilizers; till, spread and grade topsoil; Establish lawns and plant trees, shrubs and plants; Install, service or replace above ground and underground lawn or landscape irrigation systems; Install French drains or other subsurface water collection systems to a maximum depth of three feet below finish grade. Install, service or repair low voltage outdoor landscape lighting and irrigation valves; Assemble or place pre-manufactured and custom fabrication trellis work, play equipment, benches and picnic tables.

DEFINITIONS OF COVERED OCCUPATIONS

20. **Marble Setter**

Cuts, tools and sets marble slabs in floors and walls of buildings and renovates and polishes slab previously set in buildings. Trims, faces and cuts marble to specified size using power sawing, cutting and facing equipment and hand tools. Drills holes in slab and attaches bracket. Spreads mortar on bottom of slab and on sides of adjacent slabs. Sets block in position, tamps it into place, and anchors bracket attachment with wire. Fills joints with grout. Removes excess grout from marble with sponge. Cleans and bevels cracks or chips on slabs, using hand tools and power tools. Heats cracked or chipped area with blowtorch and fills defect with composition mastic that matches grain of marble. Polishes marble and other ornamental stone to high luster, using power tools or by hand.

21. **Plasterers and Stucco Masons**

Apply coats of plaster onto interior or exterior walls, ceilings, or partitions or buildings to produce finished surface according to blueprints, architect's drawings or oral instructions.

Nozzleman
Swinging Scaffold
All Other Work

22. **Plumbers and Steamfitters/Pipefitters**

Assemble, install, alter, and replace pipe systems (metal, plastic, ceramic, composition, etc.) that carry water, steam, air or other liquids or gases. Fabricates on site and installs piping and tubing systems, which are to conduct water, steam, air, and other fluids or gases in and around buildings. Also installs vacuum piping systems. Installs drainage and sewage lines (laterals) from buildings to the point of attachment to mains. Installs plumbing fixtures such as sinks, faucets, drinking fountains, commodes, etc. Installs refrigeration equipment. Performs cutting, welding and burning which is incidental to the work of plumbing or pipefitting, except as is described under lead burner. May do other work in connection with the installation and testing of heating and cooling apparatus and control devices. (Note: See also #29 - Sprinkler Fitters.)

23. **Power Equipment Operators (equipment used on construction site)**

Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)

Operate equipment used for applying asphalt or other material compositions to roadbeds, airport runways, taxiways and street paving. Includes asphalt paving machine operators, asphalt plant operators, screed operators and roller operator (any asphalt mix, breakdown or finish). Excludes any residential work.

Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator

Operate equipment used for the removal of excess surface material (concrete, asphalt) during paving, texturing or other work on road surfaces (either concrete or asphalt). Includes removal and recycling of asphalt road surface material.

DEFINITIONS OF COVERED OCCUPATIONS

Power Equipment Operators (Continued)

Auxiliary Equipment: Compressors, Generators, Pumps

Control, maintain or operate various auxiliary equipment, such as compressors, condensers, electricity generators, feedwater heaters, filters and pumps that transfer or supply water, fuel, lubricants, gasses, air, liquids, slurries and auxiliary power for turbines, generators, boilers, power equipment at the construction site. Other auxiliary equipment not otherwise classified (tool grinders, conveyor tender).

Blade: Blade/Grader Operator

Operator Blade/Grader machine or vehicle equipped with blades to remove, distribute, grade and level earth, aggregate or other material to a specific grade, slope or elevation.

Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator and Material Haulers (including "Cat Wagons", DJB's, Volvos and other similar models)

Operate machines or off road vehicles that push, remove, pick up, distribute or haul rock, earth debris and other material on construction sites.

Compactors/Roller Operator: (not asphalt)

Operate Compactor, Roller or similar equipment used for compacting crushed rock, dirt or other fill material on construction site. (includes airport runways, taxiways and roadbeds.)

Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails and/or street paving), Concrete Curing Equipment, Concrete Saw.

Operate equipment used for: applying, curing, finishing, mixing, pumping, sawing or spreading of concrete; installing concrete curbs/gutters, sidewalks or guardrails; and concrete street or highway paving.

Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men

Operate boom and cable equipment to lift and move materials, machines or other items in a variety of directions on a construction site. Operations, remote or otherwise such as hoisting, piledriver, clamshell, dragline, skip box or bucket to place material.

Crushing: Crusher Plant Operator or Oiler

Operation of machinery used to crush rock or recycled materials into aggregates for use in asphalt, concrete, base and fill materials for use in highways, streets, airports and construction sites.

Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (excludes exploratory drilling for water, minerals, oil & gas)

Operate equipment used to drill or bore for any construction purpose, including preparation for the installation of foundations, pipe, utilities and soil stabilization.

Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator (excluding Dredging Operations, which is a separate classification. **See #8**).

DEFINITIONS OF COVERED OCCUPATIONS

Power Equipment Operators (Continued)

Fork Lifts: Industrial Lift Truck Operator and Material Handler

Operate industrial lift trucks or loaders equipped with forks used to unload, load, place, stack and distribute materials on a construction site.

Front End Loaders, Hydraulic Hoes, Excavators

Operate machinery equipped with scoops, shovels or buckets to excavate, load or move dirt, aggregate and other materials.

Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines (Punch, Auger, etc.)

Operation of any power equipment used to install guardrails.

Repairmen, Heavy Duty (Mechanics, Welders) and Oilers

Duties include repairing heavy equipment at the construction site (such as cranes, bulldozers, loaders, excavators, etc.). This classification includes any mobile heavy equipment mechanics employed by the contractor who is filling out the survey form. This also includes maintenance workers who change parts, lubricate machinery, and perform other routine maintenance functions at the construction site.

Sweepers

Broom Operator, self-propelled; Sweeper Operator (Wayne type) self-propelled.

24. Riggers

Classify riggers in the craft performing the work for which rigging is incidental. For example, a carpenter doing rigging is classified as a carpenter; an ironworker doing rigging is classified as an ironworker.

25. Roofers

Roofers, general roofing materials and irritable bituminous materials

Cover roofs of commercial structures with slate, asphalt, wood and related materials using brushes, knives, punches, hammers and other tools. May spray roofs, sidings and walls with material to bind, seal, insulate or soundproof sections of structures.

26. Sheet Metal Workers and Sheet Metal Duct Installers

On a construction site, fabricate, assemble, install and replace sheet metal products and equipment, such as control boxes, drainpipes and furnace casings. Work may involve any of the following: set up and operate fabricating machines to cut, bend and straighten sheet metal; shape metal over anvils, blocks or forms using hammer; operate soldering and welding equipment to join sheet metal parts; inspect; assemble and smooth seams and joints of burred surfaces. Install prefabricated sheet metal ducts used for heating, air conditioning or other purposes in commercial buildings and similar structures.

DEFINITIONS OF COVERED OCCUPATIONS

27. **Sign Erectors**

Erects preassembled illuminated sign on buildings or other structures, according to sketches, drawings, or blueprints; measures location for sign and marks points where holes for expansion shields are to be drilled, using measuring tape and chalk. Drills holes, using star drill. Drives expansion shield into hole with hammer, and secures lag bolts in shield, using wrench. Attaches hanging pole for sign to building front with lag bolts, and secures pole with guy wires attached from pole to lag bolts. Secures cornice hook on roof, rigs block and tackle, and hoists sign into positions. Or operates hydraulic boom to position sign. Secures sign to hanging pole with hooks. Makes electrical connections to power source and test sign for correct operation. May pre-wire sign before installing. May use welding equipment when installing sign. May mount plastic signs with adhesives.

Erects, assembles and renovates roadside signs and billboards at designated locations, using hand tools and power tools. Digs hole with posthole digger or shovel. Places wood or metal post in hole, backfills excavated areas for sign supports, and compacts material to hold support in position. Operates air hammer to drive channel-metal post into ground. Bolts, screws or nails plywood or metal sign panels to sign post or frame, using hand tools. Replaces worn and damaged signs. Repaints rusted signs. Excavates, forms and pours concrete footers for metal sign supports. May erect metal sign support structure over highways. May operate banding machine to band signs on utility poles.

28. **Soft Floor Layers**

Floor Covering Layers (soft tile, linoleum and carpet)

Apply blocks, strips or sheets of shock-absorbing, sound-deadening or decorative coverings to floors and cabinets. Includes laying soft tile and linoleum. Lay carpets or rugs in buildings.

29. **Sprinkler Fitters**

Installs all piping and auxiliary devices, which are necessary for the complete installation of sprinkling systems for fire protection in buildings. Excludes systems operated with steam. (Note: See also #22 – Plumbers and Steamfitters/Pipefitters.)

30. **Tenders to Mason Trades: Brick and Stonemasons, Mortar Mixers, Hod Carriers**

Directly assist brickmasons and stonemasons by performing duties of lesser skill. Duties include mixing, supplying and holding materials or tools, and cleaning work area and equipment. Performed on block walls and may include scaffolding work.

Note: Excludes cement and concrete flat work and cement pumping which is performed by concrete/cement laborers. (See #18 for Laborer classifications.)

31. **Tenders to Plasterers: Assistants to Plasterers and Stucco Masons**

Assist plasterers or stucco masons by performing duties of lesser skill. Duties include supplying or holding materials or tools and cleaning work area and equipment. Exclude construction or maintenance laborers who do not primarily assist plasterers or stucco masons.

DEFINITIONS OF COVERED OCCUPATIONS

32. **Tile Setter/Terrazzo Worker: Hard Tile Setters**

Apply tile to walls, floors, ceilings and promenade roof decks following design specifications. Applies glazed, unglazed, mosaic and other ceramic tiles, which are used as a surface on floors, walls, ceilings and other surfaces and which must be set to a specified grade. Applies and floats all settings beds into which these tiles are set. Levels and plumbs these tiles to the specified grade.

Note: Tenders for tile setters and terrazzo workers are classified in Tile, Terrazzo and Marble Finishers (#33)

33. **Tile, Terrazzo and Marble Finishers**

Supplies and mixes construction materials for Marble setter, Terrazzo Worker and Tile Setter. Applies grout and finishes surface of installed marble, terrazzo and tile. Mixes mortar and grout, moves mortar and grout manually or using wheelbarrow. Cleans installed marble, terrazzo and tile surfaces, work and storage areas. May renovate and fill chipped, cracked or broken pieces. May assist Marble Setter, Terrazzo Worker, and Tile Setter. Grinds and polishes surfaces.

34. **Truck Drivers, Heavy or Tractor-Trailer**

Drive a tractor-trailer combination or a truck with a capacity of at least 3 tons, to transport goods or materials.

Group 1

A-frame or Hydra-Lift Truck w/load bearing surface
Battery Rebuilder
Bus or Man-Haul Driver
Concrete Buggies (power operated)
Driver
Dump Trucks, side, end and bottom dumps up to and including 10 cu. yards, including semi-trucks and trains or combinations thereof
Fork Lifts used in loading, unloading and transporting material on job site.
Fuel Truck Driver
Lift Jitneys

Loader and/or Leverman on concrete dry batch plant manually operated
Lubrication Man
Pilot Car
Slurry Truck Driver or Leverman
Solo Flat Bed and miscellaneous body trucks
Steam Cleaner or combination
Tireman
Transit Mix & wet or dry mix trucks, 5 cu. yds. and under
Truck and Truck Mechanic Assistant
Wash Rack
Water Wagon up to 3,000 gallons

Group 2

Dumpsters or similar equipment
Flaherty Spreader Driver or Leverman
Low Bed Equipment, Flat Bed Semi-Truck & Trailer or doubles transporting equipment or wet or dry materials
Lumber Carrier, Driver-Straddle Carrier used in loading, unloading and transportation of material on job site

Oil Distributor Driver or Leverman
Transit Mix and Wet or Dry Mix Trucks, over 5 cu. yds. and including 7 cu. yds.
Water Wagons, 3,000 to 5,000 gallons

DEFINITIONS OF COVERED OCCUPATIONS

Truck Drivers, Heavy or Tractor-Trailer (Continued)

Group 3

Body Repairman

Dump Trucks, side, end and bottom dumps over 10 cu. yds. and including 30 cu. yds., including semi-trucks and trains or combinations thereof.

Transit Mix and wet or dry Mix Trucks over 7 cu. yds. and inc. 11 cu. yds.

Truck Mechanic – Welder – Body Repairman
Water Wagons, 5,000 to 10,000 gallons

Group 4

Dump Trucks, side, end and bottom dumps over 30 cu. yds. and including 50 cu. yds., including semi-trucks and trains or combinations thereof.

Transit Mix and wet or dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.

Water Wagons, 10,000 to 15,000 gallons

Group 6

Dump Trucks, side, end and bottom dumps over 60 cu. yds. and including 80 cu. yds., including semi-trucks and trains or combinations thereof.

Group 5

Dump Trucks, side, end and bottom dumps over 50 cu. yds. and including 60 cu. yds., including semi-trucks and trains or combinations thereof.

Group 7

Dump Trucks, side, end and bottom dumps over 80 cu. yds. and including 100 cu. yds., including semi-trucks and trains or combinations thereof.

35. Welders

Classify welders in the craft performing the work for which welding is incidental. For example, a carpenter doing hand welding is classified as a carpenter; an ironworker doing welding is classified as an ironworker.

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PREVAILING WAGE RATES

OCCUPATIONS BY REGIONS

REGION #1
Clatsop, Columbia and Tillamook Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivemen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons	See Appendix	See Appendix
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal) (Laborers)	See Appendix	See Appendix
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers	\$15.96	\$4.23
Glaziers	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	See Appendix	See Appendix
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders (Carpenters)	See Appendix	See Appendix
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix

REGION #1
Clatsop, Columbia and Tillamook Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.24	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$22.90	\$2.96
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc.)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	See Appendix	See Appendix
Sheet Metal Duct Installers; Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix

REGION #1
Clatsop, Columbia and Tillamook Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers (Line Constructors)	See Appendix	See Appendix
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #2
Clackamas, Multnomah and Washington Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters	See Appendix	See Appendix
Cement Masons	See Appendix	See Appendix
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Applicators (Drywall/Wetwall)	See Appendix	See Appendix
Drywall Taper (Painters and Drywall Tapers)	See Appendix	See Appendix
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal) (Laborers)	See Appendix	See Appendix
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers (Soft Floor Layers)	See Appendix	See Appendix
Glaziers	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	See Appendix	See Appendix
Landscape Laborer/Technician	\$12.32	\$1.84
Lathers (Drywall/Wetwall)	See Appendix	See Appendix
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders (Carpenters)	See Appendix	See Appendix
Painter: Brush, Roller, Machine (spray and sandblasting)	See Appendix	See Appendix
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09

REGION #2

Clackamas, Multnomah and Washington Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$20.15	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$22.90	\$2.96
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$20.73	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$18.70	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	See Appendix	See Appendix
Sheet Metal Duct Installers: Sheet Metal Workers	See Appendix	See Appendix
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix

REGION #2
Clackamas, Multnomah and Washington Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers (Line Constructors)	See Appendix	See Appendix
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #3

Polk, Marion and Yamhill Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	\$22.75	\$6.42
Carpenters	See Appendix	See Appendix
Cement Masons	See Appendix	See Appendix
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall (Acoustical & Drywall Applicator)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal) (Laborers)	\$16.23	\$5.36
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers (Soft Floor Layers)	See Appendix	See Appendix
Glaziers	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders (Carpenters)	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$20.15	\$4.83

REGION #3
Polk, Marion and Yamhill Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	See Appendix	See Appendix
Sheet Metal Duct Installers; Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers (Line Constructors)	See Appendix	See Appendix
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #4

Benton, Lincoln and Linn Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons	See Appendix	See Appendix
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers	\$15.96	\$4.23
Glaziers	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmer)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04

REGION #4
Benton, Lincoln and Linn Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$20.15	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.

REGION #4
Benton, Lincoln and Linn Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Roofers: General Roofing Materials; Irritable Bituminous Materials	See Appendix	See Appendix
Sheet Metal Duct Installers; Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	\$17.68	\$5.17
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmer	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #5
Lane County

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	\$22.75	\$6.42
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$20.60 (all)	\$5.92 (all)
Cement Masons	See Appendix	See Appendix
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	See Appendix	See Appendix
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excluding Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04

REGION #5
Lane County

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$20.15	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.

REGION #5
Lane County

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Roofers: General Roofing Materials; Irritable Bituminous Materials	See Appendix	See Appendix
Sheet Metal Duct Installers; Sheet Metal Workers	See Appendix	See Appendix
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	\$17.68	\$5.17
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #6
Douglas County

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	\$22.75	\$6.42
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping, patching, grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Composition Workers, includes installation of epoxy and other resinous toppings, and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal) (Laborers)	See Appendix	See Appendix
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix

REGION #6
Douglas County

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Laborers and Material Movers (Hand); Flaggers	See Appendix	See Appendix
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excluding Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	See Appendix	See Appendix
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #6
Douglas County

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a Separate classification – see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	See Appendix	See Appendix
Sheet Metal Duct Installers: Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #7
Coos and Curry Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	\$22.75	\$6.42
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping, patching, grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Grinding of concrete done as preparatory to patching or when done to produce a finished concrete product. Composition Workers, includes installation of epoxy and other resinous toppings, and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix

REGION #7
Coos and Curry Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excluding Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights: Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #7
Coos and Curry Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers; Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #8
Jackson and Josephine Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	\$22.75	\$6.42
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping, patching, grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Grinding of concrete done as preparatory to patching or when done to produce a finished concrete product. Composition Workers, includes installation of epoxy and other resinous toppings, and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal) (Ironworkers)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix

REGION #8
Jackson and Josephine Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	See Appendix	See Appendix
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #8

Jackson and Josephine Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers: Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #9
Hood River, Sherman and Wasco Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping and patching grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Composition Workers, includes installation of epoxy and other resinous toppings, and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix

REGION #9

Hood River, Sherman and Wasco Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	\$17.61	\$6.06
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	\$21.17	\$6.43
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #9
Hood River, Sherman and Wasco Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers: Sheet Metal Workers	See Appendix	See Appendix
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #10

Crook, Deschutes and Jefferson Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	\$22.75	\$6.42
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping and patching grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Composition Workers (includes installation of epoxy and other resinous toppings), and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix

REGION #10
Crook, Deschutes and Jefferson Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	\$17.61	\$6.06
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	\$21.17	\$6.43
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #10
Crook, Deschutes and Jefferson Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials: Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers: Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	\$17.68	\$5.17
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #11
Klamath and Lake Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping and patching grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Composition Worker, includes installation of epoxy and other resinous toppings, and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix

REGION #11
Klamath and Lake Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Highway and Parking Strippers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons. (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	\$17.61	\$6.06
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	\$21.17	\$6.43
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #11
Klamath and Lake Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project. Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers; Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #12

Gilliam, Grant, Morrow, Umatilla and Wheeler Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters	See Appendix	See Appendix
Cement Masons	See Appendix	See Appendix
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights: Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	\$17.61	\$6.06
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	See Appendix	See Appendix
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09

REGION #12

Gilliam, Grant, Morrow, Umatilla and Wheeler Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers: Sheet Metal Workers	See Appendix	See Appendix
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix

REGION #12

Gilliam, Grant, Morrow, Umatilla and Wheeler Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #13

Baker, Union and Wallowa Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping and patching grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Composition Workers, includes installation of epoxy and other resinous toppings, and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix

REGION #13
Baker, Union and Wallowa Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Highway and Parking Strippers	See Appendix	See Appendix
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	\$17.61	\$6.06
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	\$21.17	\$6.43
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #13
Baker, Union and Wallowa Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project. Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers; Sheet Metal Workers	See Appendix	See Appendix
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

REGION #14
Harney and Malheur Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Asbestos Workers/Insulators	See Appendix	See Appendix
Boilermakers	See Appendix	See Appendix
Bricklayers/Stonemasons	See Appendix	See Appendix
Carpenters Carpenter 1: Auto Nailing Machine, Form Stripper, Floor Layers, Stationary Power Saw Operator Carpenter 2: Cabinet and shelving installers, Floor Finishers, Wall and Ceiling Insulators, Irritating Insulation. Drywall/Acoustical Carpenters: Ceiling tile installers and acoustical carpenters (exclude carpet, wood or hard tile installers); Drywall installer (apply plasterboard or other wallboard to ceilings and interior walls) Marine Carpenters: Bridge, dock and wharf builders, piledrivermen, boom men, marine piledrivers	\$19.32 (all)	\$5.92 (all)
Cement Masons Cement Masons, finishing, hand chipping and patching grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, plants, stakes, lines and grades. Composition Workers, includes installation of epoxy and other resinous toppings, and Power Machine Operators Cement Masons working on suspended, swinging and/or hanging scaffold	\$20.00	\$6.88
Diver / Divers' Tender	See Appendix	See Appendix
Dredging (Asst. Engineer, Asst. Mate, Fireman, Oilers, Operators, Tenderman)	See Appendix	See Appendix
Drywall Taper/Lather	\$18.77	\$5.92
Electrician	See Appendix	See Appendix
Elevator Constructors, Installers and Mechanics	See Appendix	See Appendix
Fence Constructor (not metal)	\$16.23	\$5.36
Fence Erector (metal)	\$13.89	\$2.71
Floor Covering Layers (Soft tile, linoleum and carpet)	\$15.96	\$4.23
Glaziers	\$19.73	\$5.83
Hazardous Materials Handler/Mechanic (Asbestos Workers)	See Appendix	See Appendix
Highway and Parking Stripers	See Appendix	See Appendix

REGION #14
Harney and Malheur Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Ironworkers (Structural & Reinforcing Metal Workers)	See Appendix	See Appendix
Laborers and Material Movers (Hand); Flaggers	\$16.23	\$5.36
Landscape Laborer/Technician	\$12.32	\$1.84
Limited Energy Electrician	See Appendix	See Appendix
Line Construction (Excludes Tree Trimmers)	See Appendix	See Appendix
Marble Setters	See Appendix	See Appendix
Millwrights; Machine Erectors; Machinists; Millwright/Welders	\$15.46	\$3.28
Painter: Brush, Roller, Machine (spray and sandblasting)	\$14.93	\$3.04
Plasterers and Stucco Masons, (Swinging Scaffold, Nozzlemen and All Other Work) (Plasterers)	See Appendix	See Appendix
Plumbers and Steamfitters/Pipefitters (Plumbers)	See Appendix	See Appendix
Power Equipment Operators		
Asphalt Paving Equipment: Asphalt Paver Operator, Asphalt Plant Operator, Roller Operator, Screed Operator (any asphalt mix)	\$17.61	\$6.06
Asphalt/Concrete Profilers: Roto-Mill, Pavement Profiler Operator, Concrete Planer, Grinder or Grooving Machine Operator	\$21.17	\$6.43
Auxiliary Equipment: Compressors, Generators, Pumps	\$20.05	\$5.11
Blade: Blade/Grader Operator	\$20.83	\$6.09
Bulldozers, Rubber-Tired Scrapers, Material Haulers: Bulldozer Operator, Rubber-Tired Scraper Operator, and Material Haulers (including "Cat wagons", DJB's, Volvos and other similar models)	\$17.29	\$4.83
Compactors/Roller Operator: (not asphalt)	\$16.81	\$5.55
Concrete: Batch Plant and or Wet Mix Operator, Concrete Finishing Machine, Brooming, Tining or Wire Mat Machine Operator, Concrete Spreader/Placer Operator, Pump Operators (concrete or grout), Concrete Slip Form Paving Machine (for installing curbs/gutters, guardrails, and/or street paving), Concrete Curing Equipment, Concrete Saw	See Appendix	See Appendix
Crane Operation: Hydraulic, Tower, Whirley, Lattice Boom, Dragline & Clamshell, Signal Men	See Appendix	See Appendix
Crushing: Crusher Plant Operator or Oiler	\$16.92	\$4.18
Drilling: Earth Boring Machine Operator (horizontal & vertical), Directional Drilling, (Exclude exploratory drilling for water, minerals, oil & gas)	\$15.02	\$2.96

REGION #14
Harney and Malheur Counties

OCCUPATION	PREVAILING WAGE RATE	FRINGE RATE
Power Equipment Operators (Continued)		
Floating Construction Equipment: Floating Crane (or "Derrick Barge"), Clamshell or Pile Driver used in conjunction with a construction project, Underwater Equipment Operator. (Excluding Dredging Operations, which is a separate classification - see "Dredging")	See Appendix	See Appendix
Fork Lifts: Industrial Lift Truck Operator and Material Handler	See Appendix	See Appendix
Front End Loaders, Hydraulic Hoes, Excavators	\$19.69	\$4.42
Guardrail Equipment: Guardrail Punch Operator (all types), Guardrail Punch Oiler, Combination Guardrail Machines, Punch, Auger, etc)	See Appendix	See Appendix
Repairmen, Heavy Duty (Mechanics, Welders) & Oilers	\$17.41	\$4.80
Sweepers	\$17.24	\$4.70
Riggers	Receive rate for craft performing operation to which rigging is incidental.	Receive rate for craft performing operation to which rigging is incidental.
Roofers: General Roofing Materials; Irritable Bituminous Materials	\$15.28	\$4.54
Sheet Metal Duct Installers; Sheet Metal Workers	\$16.10	\$5.86
Sign Erectors	\$16.55	\$1.52
Sprinkler Fitters	See Appendix	See Appendix
Telephone and Data Cabling (Limited Energy Electricians)	See Appendix	See Appendix
Tenders to Mason Trades: Brick and Stonemasons	See Appendix	See Appendix
Tenders to Plasterers and Stucco Masons	See Appendix	See Appendix
Tile, Terrazzo, Brick and Marble Finisher	See Appendix	See Appendix
Tile Setter/Terrazzo Worker: Hard Tile Setter	\$20.17	\$4.24
Tree Trimmers	\$16.94	\$5.04
Truck Drivers, Heavy or Tractor-Trailer	\$15.95	\$3.92
Welders (Incidental)	Receive rate for craft performing operation to which welding is incidental.	Receive rate for craft performing operation to which welding is incidental.

APPENDIX

JULY 1, 1999

THE APPENDIX SECTION IS TO BE USED ONLY FOR REGIONS/TRADES
SPECIFIED IN PAGES 15 THROUGH 55. REFER TO PAGES 15 THROUGH 55
BEFORE USING RATES IN THIS SECTION

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AMENDMENT # 1 TO OREGON DETERMINATION 99-02

RATES EFFECTIVE JULY 23, 1999					
TRADE	BASIC		TRADE	BASIC	
	HOURLY	FRINGE		HOURLY	FRINGE
	RATE	BENEFIT		RATE	BENEFIT

Please note the following corrections to
Areas for Bricklayers & Sheet Metal Workers

BRICKLAYERS/STONEMASONS

Area 1

Baker	Hood River	Sherman
Benton (a)	Lincoln (a)	Tillamook
Clackamas	Linn (a)	Umatilla
Clatsop	Malheur(a)	Union
Columbia	Morrow	Wallowa
Gilliam	Multnomah	Wasco (a)
		Washington

Area 2

Grant	Malheur (b)
Harney	Wasco (b)
Klamath	Wheeler
Lake	

SHEET METAL WORKERS - Page 71

Area 1

Clackamas
Gilliam
Grant
Hood River
Multnomah
Sherman
Wasco
Washington
Wheeler

Area 2

Baker

Area 3

Morrow
Umatilla
Union
Wallowa

Area 4

Lane

GLAZIERS

\$25.19 \$5.95

PLUMBERS (Area 2)

\$28.10 \$10.30

ROOFERS

Area 1

Roofers	\$21.30	\$5.75
Handling coal tar pitch	\$23.43	\$5.75
Remove fiberglass insulation	\$23.43	\$5.75

Area 2

\$18.00 \$6.72

THE CHANGES SHOWN ON THIS
CORRECTION/AMENDMENT APPLY
ONLY TO THE APPENDIX
PORTION OF THE JULY 1, 1999
PREVAILING WAGE RATE
BOOKLET.



BUREAU OF LABOR AND INDUSTRIES

JACK ROBERTS
Commissioner

IMPORTANT NOTICE CONCERNING PREVAILING WAGE RATES

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**AMENDMENT NUMBER 1 TO THE JULY 1, 1999
PREVAILING WAGE RATES FOR PUBLIC WORKS CONTRACTS IN OREGON
OREGON DETERMINATION 99-02
EFFECTIVE JULY 23, 1999**

The following are the changes/corrections to the most recent PWR Booklet that was published on July 1, 1999.

Update(s) in OREGON DETERMINATION 99-02

**BRICKLAYERS COUNTIES (Areas 1 and 2)
GLAZIERS
PLUMBERS (Area 2)
ROOFERS (Areas 1 and 2)
SHEET METAL WORKERS COUNTIES (Areas 1-4)**

are shown on the back of this sheet. For the sake of brevity, we have not included all of the explanatory information that is found in the regular booklet. Refer to the relevant parts of the July 1999 Booklet for details concerning this amendment. If you have any questions, call the PWR Coordinator at (503) 731-4074 in Portland.

ALL RATES IN THE JULY 1999 BOOKLET WHICH ARE NOT AMENDED REMAIN IN FORCE.

OREGON DETERMINATION 99-02

TRADE	BASIC HOURLY RATE	FRINGE BENEFIT	TRADE	BASIC HOURLY RATE	FRINGE BENEFIT
ASBESTOS WORKERS			BRICKLAYERS/STONEMASONS (Continued)		
<u>Installation of insulation on mechanical systems for Thermal and Acoustical purposes, also the installation of fire stop penetrations on electrical and mechanical systems.</u>			<u>Area 1</u>		
Journeyman Asbestos Worker	26.79	7.31	Baker	Lincoln (a)	Sherman
			Benton (a)	Linn (a)	Tillamook
			Clackamas	Malheur (a)	Umatilla
			Clatsop	Marion	Union
			Columbia	Morrow	Wallowa
			Gilliam	Multnomah	Wasco (a)
			Hood River	Polk	Washington
					Yamhill
<u>Removal of regulated material on mechanical systems * which are not going to be scrapped. **</u>			<u>Area 2</u>		
Hazardous Materials Handler Mechanic	13.75	3.50	Benton (b)	Grant	Lake
			Crook	Harney	Lane
			Coos	Jackson	Lincoln (b)
			Curry	Jefferson	Linn (b)
			Deschutes	Josephine	Malheur (b)
			Douglas	Klamath	Wasco (b)
					Wheeler
*Mechanical systems include pipes, boilers, ducts, flues, breaching, grease ducts and acid ducts. This also includes all labor connected with the handling and distribution of materials for these systems.			a) North half		
**The removal of all regulated materials from mechanical systems is exclusively the work of Hazardous Materials Handlers, unless the mechanical systems are going to be scrapped. Laborers do all removal of regulated materials on mechanical systems to be scrapped and any non-mechanical (walls, ceilings, floors, beams etc.) insulation. They also do loading of any regulated materials after it has been removed, bagged and tagged, as well as cleanup at the removal site and all work done at the disposal site. Persons performing the removal of regulated materials are classified as Group 3 Laborers.			b) South half		
NOTE: Regulated materials are those materials that are regulated for the purpose of protecting the environment or for personal protection by EPA, OSHA, DEQ or Federal OSHA.			CARPENTERS		
			<u>Zone 1 (Base Rate)</u>		
			Group 1	23.94	7.92
			Group 2	24.09	7.92
			Group 3	24.44	7.92
			Group 4	24.59	7.92
			Group 5	24.44	7.92
			Group 6	24.59	7.92
			Group 7	24.94	7.92
			<u>Zone Differential for Carpenters (Add to Zone 1 Rate)</u>		
			Zone 2	.85	
			Zone 3	1.25	
			Zone 4	1.70	
			Zone 5	2.00	
			Zone 6	3.00	
			Zone 7	5.00	
BOILERMAKERS					
	24.07	9.56			
Pressure Welder	25.57	9.56			
BRICKLAYERS/STONEMASONS					
(This trade is tended by "Tenders to Masons")					
Area 1	24.94	8.03			
(Add \$.75 per hour to Fringe for Refractory repair work.)					
Area 2	22.95	7.20			
(Add \$.75 per hour to Fringe for Refractory repair work.)					

OREGON DETERMINATION 99-02

TRADE	BASIC	FRINGE	TRADE	BASIC	FRINGE
	HOURLY RATE			HOURLY RATE	

CARPENTERS (Continued)

Zone 1: Projects within 30 miles of City Hall in the Cities listed below.

Zone 2: More than 30 miles but less than 40 miles.

Zone 3: More than 40 miles but less than 50 miles.

Zone 4: More than 50 miles but less than 60 miles.

Zone 5: More than 60 miles but less than 70 miles.

Zone 6: More than 70 miles but less than 100 miles.

Zone 7: More than 100 miles from the city hall of the employee's home local.

Reference Cities for Group 1 and 2 Carpenters

Albany	Eugene	Longview	Portland
Astoria	Goldendale	Madras	Port Orford
Baker	Grants Pass	Medford	Reedsport
Bend	Hermiston	McMinnville	Roseburg
Brookings	Hood River	Newport	Salem
Burns	Klamath Falls	Oregon City	The Dalles
Coos Bay	LaGrande	Ontario	Tillamook
Corvallis	Lakeview	Pendleton	Vancouver

Zones for Groups 3 and 4 Carpenters are determined by the distance between the project site and either

- 1) the worker's residence; or
- 2) City Hall of a reference city

for the appropriate group shown, whichever is closer.

Reference Cities for Group 3 and 4 Carpenters

Eugene	Medford	Portland	Vancouver
Longview	North bend	The Dalles	

Zones for Groups 5, 6 and 7 Carpenters are determined as follows:

1. For those workers who reside within zone 1 of a reference city below, their zone pay differential shall be computed based upon the distance from the City Hall of that city to the project site.

2. For those workers who reside nearer to the project than is the City Hall of any reference city below, the mileage from their residence to the project may be used in computing their zone pay differential.

3. The zone pay differential for all other projects shall be computed from the City Hall of Longview, North Bend, or Portland, whichever is closer to the project.

CARPENTERS (Continued)

Reference Cities for Groups 5, 6 and 7

Astoria	Klamath Falls	Newport	Roseburg
Bend	Longview	North Bend	Salem
Eugene	Medford	Portland	The Dalles

Group 1

Auto. Nailing Machine
Carpenters
Form Stripper
Manhole Builders
Non-irritating Insulation
Cabinet & Shelving
Installers (wood or steel)

Group 2

Floor Layers & Finishers
Stationary Power Saw
Operators
Wall & Ceiling Insulators
Irritating Insulation

Group 3

Millwrights
Machine Erectors
Machinists

Group 4

Millwright/Welders
(Certified Welders receive
\$0.25/hour over Group 3)

Group 5

Bridge, Dock &
Wharf Builders
Piledrivermen

Group 6

Boom Men

Group 7

Marine Piledriver

CEMENT MASONS

(This trade is tended by "Concrete Laborers")

Zone 1 (Base Rate)

Group 1	22.81	8.15
Group 2	23.22	8.15
Group 3	23.22	8.15
Group 4	23.64	8.15

Group 1 Cement Masons, finishing, hand chipping, patching, grouting, end pointing, screed setting, plugging, filling bolt holes, dry packing, setting curb forms, planks, stakes, lines and grades. Grinding of concrete done as preparatory to patching or when done to produce a finished concrete product.

OREGON DETERMINATION 99-02

TRADE	BASIC HOURLY RATE	FRINGE BENEFIT	TRADE	BASIC HOURLY RATE	FRINGE BENEFIT
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CEMENT MASONS (Continued)

Group 2 Composition Workers (includes installation of epoxy and other resinous toppings), and Power Machine Operators.

Group 3 Cement Masons working on suspended, swinging and/or hanging scaffold.

Group 4 Cement Masons performing work of both Group 2 and Group 3 at the same time.

Zone Differential for Cement Masons
(Add to Zone 1 Rate)

Zone 2	.65
Zone 3	1.15
Zone 4	1.70
Zone 5	2.75

Zone 1 – Projects within 30 miles of City Hall in the cities listed below.

Zone 2 – More than 30 miles but less than 40 miles.

Zone 3 – More than 40 miles but less than 50 miles.

Zone 4 – More than 50 miles but less than 80 miles.

Zone 5 – More than 80 miles.

Reference Cities

Bend	Eugene	Medford	Salem
Corvallis	Longview	Portland	The Dalles
			Vancouver

DIVERS & DIVERS' TENDERS

Divers	56.65	7.92
Divers' Tenders	26.32	7.92

Depth Pay and Enclosure Pay are added to the Divers' Basic Hourly Rate to obtain the Total Hourly Rate for the Diver.

Basic Hourly + Rate	Hourly Depth + Pay	Hourly Enclosure = Pay	Divers' Total Hourly Pay
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DIVERS & DIVERS' TENDERS (Continued)

Divers' Depth Pay

Depth of Dive

50 – 100 ft
100 – 150 ft \$ 50 +
150 – 200 ft \$125 +

Hourly Depth Pay

((Total ft- 50) X \$1.00)/hr.
((Total ft-100) X \$1.50)/hr.
((Total ft-150) X \$2.00)/hr.

Divers' Enclosure Pay (working without vertical escape)

Distance Traveled

In the Enclosure

Hourly Enclosure Pay

5 - 50 ft.	\$.50/hr.
50 – 100 ft.	\$.63/hr.
100 – 150 ft.	\$ 2.13/hr.
150 – 200 ft.	\$ 4.63/hr.
200 – 300 ft.	\$ 4.63 + ((total ft-200) X \$.05/hr.
300 - 450 ft.	\$ 9.63 + ((total ft-300) X \$.10/hr.
450 – 600 ft.	\$24.63 + ((total ft-450) X \$.20)/hr.

DREDGERS

Zone 1 (Base Rate)

Leverman (Hydraulic, Dipper, Floating Clamshell) Asst. Engineer (including Watch Engineer, Welder, Mechanic, Machinist)	29.70	7.50
Tenderman (Boatman, Attending Dredge Plant); Fireman Fill Equipment Operator	27.72	7.50
Assistant Mate (Deckhand); Oiler	26.81	7.50
	26.07	7.50
	24.38	7.50

Zone Differential for Dredging
(Add to Zone 1 Rate)

Zone 2	2.00
Zone 3	3.00
Zone 1	Center of job site not more than 30 miles from the City Hall of Portland
Zone 2	More than 30 miles but not more than 50
Zone 3	Over 50 miles

OREGON DETERMINATION 99-02

TRADE	BASIC		TRADE	BASIC	
	HOURLY	FRINGE		HOURLY	FRINGE
	RATE	BENEFIT		RATE	BENEFIT

DRYWALL/WETWALL

Drywall (Acoustical and Drywall Applicator)	22.76	8.84
Wetwall (Lather)	21.74	9.86

ELECTRICIANS

Area 1

Electricians	21.63	6.62
Cable Splicers	23.79	6.71

Area 2

Electricians	26.20	7.72
Cable Splicers	27.51	7.76

Area 3

Electricians	25.00	8.85
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Area 4

Electricians	27.01	8.51
Cable Splicers	29.71	8.59
Electrical Material Handler	11.24	3.72

Area 5

Electricians	27.30	9.47
Cable Splicers	27.55	9.48
Electrical Material Handler	15.42	6.56

Area 6

Electricians	24.54	7.74
Cable Splicers	24.54	7.74

Area 1

Malheur

Area 2

Baker
Gilliam
Grant
Morrow
Umatilla
Union
Wallowa
Wheeler

Area 3

Coos
Curry
Lincoln
Douglas (a)
Lane (a)

ELECTRICIANS (Continued)

Area 4	Area 5	Area 6
Benton	Clackamas	Harney
Crook	Clatsop	Jackson
Deschutes	Columbia	Josephine
Jefferson	Hood river	Klamath
Lane (b)	Multnomah	Lake
Linn	Sherman	Douglas (b)
Marion	Tillamook	
Polk	Wasco	
Yamhill (c)	Washington	
	Yamhill (d)	

- a) Those portions lying west of a line running North and South from the NE corner of Coos County to the SE corner of Lincoln County
b) Those portions lying east of a line running North and South from the NE corner of Coos County to the SE Corner of Lincoln County.

- c) South half
d) North half

ELEVATOR CONSTRUCTORS

Area 1

Mechanic	29.02	7.19 + a
Helper	20.31	6.96 + a
Probationary Helper	14.51	.39

Area 2

Mechanic	30.07	7.58 + a
Helper	21.05	7.34 + a
Probationary Helper	15.03	.40

- a) Plus 8% of basic hourly rate for employees with more than 5 years of service; 6% of basic hourly rate for 6 months to 5 years of service.

Area 1

Umatilla
Wallowa
Union
Baker

Area 2

All
Remaining
Counties

OREGON DETERMINATION 99-02

TRADE	BASIC HOURLY RATE	FRINGE BENEFIT	TRADE	BASIC HOURLY RATE	FRINGE BENEFIT
<u>GLAZIERS</u>	24.62	5.95	<u>LABORERS (Continued)</u>		
(Add \$1.00 to base rate if safety belt is required by State safety regulations)			<u>Reference Cities</u>		
(Add \$4.00 to base rate for work done from a non-motorized single-man bosun chair)			Albany	Eugene	Portland
Benton	Lane	Multnomah	Astoria	Grants Pass	Roseburg
Clackamas	Lincoln	Polk	Baker City	Hermiston	Salem
Clatsop	Linn	Tillamook	Bend	Klamath Falls	The Dalles
Columbia	Marion	Washington	Burns	Medford	
		Yamhill	Coos Bay	Pendleton	
<u>HIGHWAY / PARKING STRIPERS</u>	20.83	4.76	<u>Group 1</u>		
<u>IRONWORKERS</u>	24.22	10.35	Asphalt Plant Laborers	Guardrail, Median Rail (c)	
Structural, Reinforcing,			Asphalt Spreaders	Landscape or Planting	
Ornamental, Riggers, Signal Men			Batch Weighman	Laborer	
<u>LABORERS</u>			Broomers	Leverman or Aggregate	
Group 1	20.09	7.50	Brush Burners/Cutters	Spreader (d)	
Group 2	20.58	7.50	Carpenter Tender	Loading Spotter	
Group 3	20.94	7.50	Car & Truck Loaders	Material Yard Man (e)	
Group 4	21.24	7.50	Change-House Man	Powderman Assistant	
Group 5	17.70	7.50	Chipper Operator (a)	Railroad Track Laborers	
NOTE: A Hazardous Waste Removal Differential must be added to the base rate if work is performed inside the boundary of a Federally Designated Hazardous Waste Site. A Group 1 base rate is used for General Laborer on such a site. For further information on this, call the Prevailing Wage Rate Coordinator at (503) 731-4074.			Choke Setter	Ribbon Setters (f)	
			Clean up Laborers ***	Rip Rap Man (Hand Placed)	
			Curing, concrete	Road Pump Tender and	
			Demolition, wrecking	Sewer Laborer	
			moving (industrial)***	Signalman	
			Driller Assistant	Skipman	
			Dry-shack Man	Slopers	
			Dumpers, road oiling crew	Sprayman	
			Dumpmen for grading	Stake Chaser	
			crew	Stockpiler	
Zone Differential for Laborers (Add to Zone 1 Rate) Zone 2 .65 Zone 3 1.15 Zone 4 1.70 Zone 5 2.75 Zone 1 – Projects within 30 miles of City Hall in the cities listed below. Zone 2 – More than 30 miles but less than 40 miles Zone 3 – More than 40 miles but less than 50 miles Zone 4 – More than 50 miles but less than 80 miles. Zone 5 – More than 80 miles			Elevator Builder	Tie Back Shoring	
			Fine Graders	Timber Faller/Bucker	
			Fire Watch	(Hand Labor)	
			Form Strippers (b)	Toolroom Man (Job Site)	
			General Laborer ***	Weight-Man-Crusher (g)	
			a) Pittsburg or similar types		
			b) Not swinging stages		
			c) Reference Post, Guide Post, or Right-of Way Marker		
			d) Flaherty, and similar types		
			e) Including electrical		
			f) Including steel forms		
			g) Aggregate when used		
			*** Laborers can tear off roofs, clean up or handle roofing materials only when at least one new story is added or in demolition work, where no reroofing will occur.		

OREGON DETERMINATION 99-02

TRADE	BASIC	FRINGE	TRADE	BASIC	FRINGE
	HOURLY RATE	BENEFIT		HOURLY RATE	BENEFIT

LABORERS (Continued)

Group 2

Applicators (a)	Gunite Nozzleman Tender
Brush Cutters (b)	Gunite or Sandblasting
Burners	Pot Tender
Choker Splicer	Handlers/Mixers (f)
Clary Power Spreader ©	Pipe Doping & Wrapping
Clean up Nozzleman -	Post Hole Digger, Air,
Green Cutter (d)	Gas or Electric
Concrete Laborers	Power Tool Operators (g)
Concrete Power Buggyman	Sand Blasting (wet)
Crusher Feeder	Stake Setter
Demolition/Wrecking (e)	Tampers
	Vibrating Screed

a) Including Pot Tender for same, applying protective material by hand or nozzle on utility lines or storage tanks on project.

b) Power saw

c) And similar types of spreaders

d) Concrete, rock, etc.

e) Charred Materials

f) Of all materials of an irritating nature including cement and lime

g) Includes, but not limited to: Dry Pack Machine, Jackhammer, Chipping Guns, Paving Breakers

Group 3

Asbestos Removal	Power Saw Operators ©
Bit Grinder	Sand Blasting (dry)
Concrete Saw Operator	Sewer Timberman
Drill Doctor	Drill Operators (a)
Gunite Nozzleman	Track Liners (d)
Laser Beam (b)	Tugger Operator
Manhole Builder	Vibrators (all)
Nippers & Timbermen	Water Blaster
Nuclear Plant Worker- Lead Shield	Welder

a) Air Tracks, Cat Drills, Wagon Drills, Rubber-mounted Drills, and other similar types.

b) Pipe laying, applicable when employee assigned to move, set up, align Laser Beam.

c) Bucking and falling

d) Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks

LABORERS (Continued)

Group 4

Asphalt Rakers	Motorman – Dinky Locomotive
Concrete Nozzlemen	Pipe Layers (all)
Grade Checker	Powdermen
High Scalers, Strippers,	Shield Operator
Drillers (a)	Tunnel Bull Gang (above ground)
Laser Beam (Tunnel), applicable when	Tunnel Chuck Tenders
employee assigned to	Tunnel Miners
move, set up, align	Tunnel Muckers/Brakeman/ Concrete Crew/Bull Gang
laser beam	(underground)
Tunnel Powderman	
Loop Installation	

a) Covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping.

Group 5

Clean-up Laborers (building only)***

Demolition, Wrecking & Moving (building only)***

Flagger

***Laborers can tear off roofs, clean up or handle roofing material only when at least one new story is added or in demolition work, where no reroofing will occur.

LIMITED ENERGY ELECTRICIANS

May only be used for electrical work not exceeding 100 va in Class II and III installations (as defined in Article 725 of the National Electrical Code):

Area 1	21.95	6.71
Area 2	21.95	6.71
Area 3	18.51	4.81
Area 4	18.51	4.81
Area 5	18.51	4.81
Area 6	18.51	4.81
Area 7	18.51	4.81
Area 8	18.51	4.81
Area 9	21.95	6.71
Area 10	18.51	4.81
Area 11	18.51	4.81
Area 12	21.95	6.71
Area 13	21.95	6.71
Area 14	21.95	6.71

OREGON DETERMINATION 99-02

TRADE	BASIC		TRADE	BASIC	
	HOURLY	FRINGE		HOURLY	FRINGE
	RATE	BENEFIT		RATE	BENEFIT

LIMITED ENERGY ELECTRICIANS (Continued)

Area 1	Clatsop, Columbia, Tillamook
Area 2	Clackamas, Multnomah, Washington, Yamhill (North Half)
Area 3	Marion, Polk, Yamhill (South Half)
Area 4	Benton, Lincoln, Linn
Area 5	Lane
Area 6	Douglas
Area 7	Coos, Curry
Area 8	Jackson, Josephine
Area 9	Hood River, Sherman, Wasco
Area 10	Crook, Deschutes, Jefferson
Area 11	Klamath, Lake, Harney
Area 12	Gilliam, Grant, Morrow, Umatilla, Wheeler
Area 13	Baker, Union, Wallowa
Area 14	Malheur

LINE CONSTRUCTION

Area 1

Group 1	28.55	7.51
Group 2	25.75	7.40
Group 3	19.97	5.70
Group 4	22.19	5.78
Group 5	19.37	5.68
Group 6	18.19	5.64

Area 2

Cable Splicers	27.59	6.36
Journeyman Lineman	25.00	6.26
Line Equip. Oper.	21.17	6.10
Groundman	15.45	4.82

Area 1 All counties except Malheur County

Area 2 Malheur County

Group 1

Cable Splicers
Leadman Pole Sprayer
Lineman
Pole Sprayer

Group 2

Certified Lineman Welder
Heavy Line Equipment
Man

LINE CONSTRUCTION (Continued)

Group 3

Tree Trimmer

Group 5

Head Groundman
Jackhammer Man
Powderman

Group 4

Line Equipment Man

Group 6

Groundman

MARBLE SETTERS (Includes Granite)

(This trade is tended by "Tile, Terrazzo, Brick & Marble Finishers")

<u>Area 1</u>	25.94	8.03
<u>Area 2</u>	24.70	7.70

Area 1

Baker	Malheur (a)	Wallowa
Benton (a)	Marion	Wasco (a)
Clackamas	Morrow	Washington
Clatsop	Multnomah	Yamhill
Columbia	Polk	
Gilliam	Sherman	
Hood River	Tillamook	
Lincoln (a)	Umatilla	
Linn (a)	Union	

Area 2

Benton (b)	Harney	Lincoln (b)
Crook	Jackson	Linn (b)
Coos	Jefferson	Malheur (b)
Curry	Josephine	Wasco (b)
Deschutes	Klamath	Wheeler
Douglas	Lake	
Grant	Lane	

a) North Half
b) South Half

PAINTERS & DRYWALL TAPERS

Brush Painting	19.60	3.48
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OREGON DETERMINATION 99-02

TRADE	BASIC HOURLY RATE	FRINGE BENEFIT	TRADE	BASIC HOURLY RATE	FRINGE BENEFIT
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PAINTERS & DRYWALL TAPERS (Continued)

(Add \$0.60 to base rate for spray, sandblasting, other pressure blasting over 3000 PSI, and steam cleaning.)

(Add \$0.50 to base rate for work over 60 ft. high on swing stage, mechanical climber, spider or bucket truck.)

Drywall Tapers	24.65	6.95
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PLASTERERS

Nozzleman	25.91	6.36
Swinging Scaffold	24.91	6.36
All Other Work	23.91	6.36

PLUMBERS & STEAMFITTERS/PIPEFITTERS

Area 1 (Both)	22.54	7.02
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Zone Differential for Area 1 Plumbers & Steamfitters/Pipefitters
(Add to Zone 1 Rate)

Zone 2	\$ 1.20 per hour
Zone 3	\$ 1.70 per hour
Zone 4	\$ 2.50 per hour
Zone 5	\$ 3.55 per hour
Zone 6	\$30.32 per day

Zone 1: Projects within 15 miles of City Hall in the cities listed below.

Zone 2: More than 15 but less than 30.

Zone 3: More than 30 but less than 40.

Zone 4: More than 40 but less than 50.

Zone 5: More than 50 but less than 100.

Zone 6: More than 100 miles.

PLUMBERS & STEAMFITTERS/PIPEFITTERS (Cont'd)

Reference Cities for Area 1

Boise, Idaho
Twin Falls, Idaho

With distances in Zone 6, 100 miles and beyond, there shall be a minimum of one hundred fifty-one dollars and sixty cents (\$151.60) per week or thirty dollars and thirty-two cents (\$30.32) per day worked.

Note: The above information applies only to Area 1.

Area 2 (Both)	27.80	9.60
Area 3 (Both)	28.31	9.20

Area 1 Area 2 Area 3

Baker	Grant (b)	All
Harney (a)	Morrow	Remaining
Malheur	Umatilla	Counties
	Wallowa	
	Union	

a) Except Northwest Portion
b) Except Southwest Corner

POWER EQUIPMENT OPERATORS

Zone 1 (Base Rate)

Group 1	25.91	8.20
Group 2	25.00	8.20
Group 3	24.30	8.20
Group 4	23.83	8.20
Group 5	23.27	8.20
Group 6	21.10	8.20

OREGON DETERMINATION 99-02

TRADE	BASIC	FRINGE	TRADE	BASIC	FRINGE
	HOURLY RATE	BENEFIT		HOURLY RATE	BENEFIT

POWER EQUIPMENT OPERATORS (Continued)

Note: A Hazardous Waste Removal Differential

must be added to the base rate if work is performed inside the boundary of a Federally Designated Waste Site. For information on this differential, call the Prevailing Wage Rate Coordinator at (503) 731-4074.

Zone Rates

Zone 2	2.00
Zone 3	3.00

FOR THE FOLLOWING METROPOLITAN COUNTIES:

Multnomah; Clackamas; Marion; Yamhill;
Washington and Columbia:

• Zone map for this classification on page 72

(A) All jobs or projects located in Multnomah, Clackamas and Marion counties, west of the western boundary of Mt Hood National Forest and west of mile post 30 on Interstate 84 and west of mile post 30 on State Hwy 26 and west of mile post 30 on Hwy 22 and all jobs located in Yamhill County, Washington County and Columbia County shall receive Zone 1 pay for all classifications.

(B) All jobs or projects located in the area outside the identified boundary above, but less than 50 miles from the Portland City Hall shall receive Zone 2 pay for all classifications.

© All jobs or projects located more than 50 miles from the Portland City Hall, but outside the identified border above, shall receive Zone 3 pay for all classifications.

FOR THE FOLLOWING CITIES:

Albany; Bend; Coos Bay; Eugene; Grants Pass;
Klamath Falls, Medford and Roseburg

(A) All jobs or projects located within 30 miles of the respective City Hall of the above mentioned cities shall receive Zone 1 pay for all classifications.

POWER EQUIPMENT OPERATORS (Continued)

(B) All jobs or projects located more than 30 miles and less than 50 miles from the respective City Hall of the above mentioned cities shall receive Zone 2 pay for all classifications.

© All jobs or projects located more than 50 miles from the respective City Hall of the above mentioned cities shall receive Zone 3 pay for all classifications.

ASPHALT

Group

6	Plant Oiler
6	Plant Fireman
6	Pugmill Operator (any type)
6	Truck mounted asphalt spreader, w/screed
4	Screed Operator
5	Extrusion Machine Operator
2	Asphalt Plant Operator (any type)
4	Asphalt Paver Operator
5	Roller Operator (any asphalt mix)
4	Diesel-Electric Engineer, Plant
5	Asphalt Burner and Reconditioner Operator (any type), 84
4	Roto-Mill, pavement profiler, under 6 ft lateral cut
5	Roto-Mill, pavement profiler, ground man
2	Roto-Mill, pavement profiler operator, 6 ft lateral cut and over

BLADE

Group

6	Blade Operator, pulled type
4	Blade Operator
4	Blade Operator, Finish
4	Blade Operator, externally controlled by electronic, mechanical hydraulic means
4	Blade Operator, multi-engine
2	Auto Grader or "Trimmer" Operator

OREGON DETERMINATION 99-02

BASIC
HOURLY
RATE

FRINGE
BENEFIT

BASIC
HOURLY
RATE

FRINGE
BENEFIT

TRADE

TRADE

POWER EQUIPMENT OPERATORS (Continued)

BULLDOZERS

Group

- 4 Bulldozer Operator
- 4 Drill Cat Operator
- 4 Side-Boom Operator
- 2 Tandem bulldozer operator (quadnine & similar type, D-11)
- 4 Bulldozer Operator, twin engine (TC12 and similar type, D-10)
- 4 Cable-Plow Operator (any type)

CLEARING

Group

- 4 Log Skidder Operator
- 4 Chipper Operator
- 4 Incinerator Operator
- 4 Stump Splitter Operator
- 4 Faller/Buncher Operator

COMPRESSORS

Group

- 6 Compressor Operator (any power), **under** 1,250 cu. ft. total capacity.
- 5 Compressor Operator (any power), **over** 1,250 cu. ft. total capacity.

COMPACTORS – Self-Propelled

Group

- 5 Compactor Operator, including vibratory
- 5 Wagner Patco Operator or similar type (without blade)
- 4 Compactor Operator, with blade
- 4 Compactor Operator, multi-engine

CONCRETE

Group

- 6 Plant Oiler
- 6 Assistant Conveyor Operator
- 6 Conveyor Operator

POWER EQUIPMENT OPERATORS (Continued)

CONCRETE (Continued)

Group

- 6 Mixer Box Operator (C.T.B., dry batch, etc.)
- 6 Cement Hog Operator
- 6 Concrete Saw Operator
- 6 Wire Mat or Brooming Machine Operator
- 5 Combination Mixer and Compressor Operator, Gunit work
- 5 Beltcrete Operator
- 5 Pumpcrete Operator (any type)
- 5 Pavement Grinder and/or Grooving Machine Operator (riding type)
- 4 Mixer Mobile Operator
- 5 Cement Pump Operator, Fuller-Kenyon and similar
- 5 Concrete Pump Operator
- 5 Grouting Machine Operator
- 4 Screed Operator
- 4 Concrete Cooling Machine Operator
- 5 Concrete Mixer Operator, single drum, any capacity
- 2 Batch Plant and/or Wet Mix Operator 1 and 2 drum
- 1 Batch Plant and/or Wet Mix Operator, 3 units or more
- 5 Cast in place pipe laying machine
- 5 Maginnis Internal Full Slab Vibrator Operator
- 5 Concrete Finishing Machine Operator, Clary, Johnson, Bidwell, Burgess bridge deck or similar type
- 5 Curb Machine Operator, Mechanical Berm, Curb and/or Curb and Gutter
- 5 Concrete Joint Machine Operator
- 5 Concrete Planer Operator
- 5 Tower Mobile Operator
- 5 Power Jumbo Operator setting slip forms etc., in tunnels
- 5 Slip Form Pumps, power driven hydraulic lifting device for concrete forms
- 5 Concrete Paving Machine Operator
- 5 Concrete Finishing Machine Operator
- 5 Concrete Spreader Operator
- 4 Concrete Paving Road Mixer
- 4 Reinforced Tank Banding Machine (K-17 or similar types)
- 2 Concrete Profiler, Diamond Head

OREGON DETERMINATION 99-02

TRADE	BASIC	FRINGE	TRADE	BASIC	FRINGE
	HOURLY RATE	BENEFIT		HOURLY RATE	BENEFIT

POWER EQUIPMENT OPERATORS (Continued)

CONCRETE (Continued)

Group

- 2 Automatic Concrete Slip Form Paver Oper.
- 2 Concrete Canal Line Operator
- 4 Concrete Breaker

CRANE

Group

- 6 Oiler
- 6 Truck Crane Oiler-Driver, 25 ton capacity or over
- 6 Fireman, all equipment
- 6 A-Frame Truck Operator, single drum
- 6 Tugger or Coffin Type Hoist Operator
- 5 Helicopter Hoist Operator
- 5 Hoist Operator, single drum
- 5 Elevator Operator
- 5 A-Frame Truck Operator, double drum
- 5 Boom Truck Operator
- 4 Chicago Boom and similar types
- 4 Lift Slab Machine Operator
- 4 Boom Type lifting device, 5 ton capacity or less
- 4 Cherry Picker or similar type crane-hoist, 5 ton capacity or less
- 4 Hoist Operator, two drum
- 4 Hoist Operator, three or more drums
- 4 Derrick Operator, under 100 tons
- 4 Hoist Operator, stiff leg, guy derrick or similar type, 50 ton and over
- 4 Cableway Operator, up to 25 tons
- 4 Bridge Crane Operator, Locomotive, Gantry, Overhead
- 2 Cableway Operator, 25 tons and over
- 1 Helicopter Operators, when used in erecting work

HYDRAULIC CRANE OPERATOR

Group

- 5 Hydraulic Boom Truck Operator, Pittman
- 4 Hydro Crane Operator, under 50 tons

POWER EQUIPMENT OPERATORS (Continued)

HYDRAULIC CRANE OPERATOR (Continued)

Group

- 3 Hydro Crane Operator, 50 tons – 89 tons
- 2 Hydro Crane Operator, 90 tons – 199 tons
- 1 Hydro Crane Operator, 200 tons and over

TOWER/WHIRLEY OPERATOR

Group

- 2 Tower Crane Operator
- 2 Whirley Operator, under 90 tons
- 1 Whirley Operator, 90 tons and over

LATTICE BOOM CRANE OPERATOR

Group

- 4 Lattice Boom Crane Operator, under 50 tons
- 3 Lattice Boom Crane Operator, 50 tons through 89 tons, & less than 250 ft boom
- 2 Lattice Boom Crane Operator, 90 tons through 199 tons, and/or 150 ft-200 ft boom
- 1 Lattice Boom Crane (Operator, 200 tons and over, and/or over 200 ft boom

CRUSHER

Group

- 6 Crusher Oiler
- 6 Crusher Feeder
- 4 Generator Operator
- 4 Diesel-Electric Engineer
- 4 Grizzly Operator
- 2 Crusher Plant Operator

DRILLING

Group

- 6 Drill Assistant
- 6 Auger Oiler
- 5 Churn Drill and Earth Boring Machine Operator

OREGON DETERMINATION 99-02

TRADE	BASIC	FRINGE	TRADE	BASIC	FRINGE
	HOURLY RATE	BENEFIT		HOURLY RATE	BENEFIT

POWER EQUIPMENT OPERATORS (Continued)

DRILLING (Continued)

- 4 Drill Doctor
- 4 Boring Machine Operator
- 4 Driller – Percussion, Diamond, Core, Cable,
Rotary and similar type
- 4 Cat Drill (John Henry)

FLOATING EQUIPMENT

Group

- 6 Deckhand
- 6 Boatman
- 5 Fireman
- 4 Diesel-Electric Engineer
- 4 Jack Operator – Elevating Barges
- 4 Barge Operator, self-unloading
- 4 Piledriver Operator (not crane type)
- 4 Floating Clamshell, etc. Operator, under
3 cu. yd. (only for construction projects
- otherwise see "Dredging")
- 4 Floating Crane (derrick barge) Operator,
less than 30 tons
- 2 Floating Clamshell, etc. Operator, 3 cu. yd.
and over (only for construction projects
- otherwise see "Dredging")
- 2 Floating Crane (derrick barge) Operator,
30 tons but less than 150 tons
- 1 Floating Crane, 150 tons and over

FORK LIFT

Group

- 6 Self-Propelled Scaffolding Operator
(excluding working platform)
- 6 Fork Lift or Lumber Stacker Operator
- 6 Ross Carrier Operator
- 5 Lull Hi-Lift Operator or similar type
- 5 Fork Lift, over 5 tons
- 3 Rock Hound Operator

GUARDRAIL EQUIPMENT

Group

- 6 Oiler
- 6 Auger Oiler

POWER EQUIPMENT OPERATORS (Continued)

GUARDRAIL EQUIPMENT (Continued)

- 6 Oiler, combination guardrail machines
- 4 Guardrail Punch Operator (all types)
- 6 Guardrail Punch Oiler
- 4 Guardrail Auger Operator (all types)
- 4 Combination Guardrail machines, i.e. Punch,
Auger etc.

HAZARDOUS WASTE REMOVAL

- 5 Assistant to the Engineer (Oiler)
- 4 Assistant Incinerator Control Board Oper.
- 3 Incinerator Control Board Operator

HEATING PLANT

Group

- 6 Temporary Heating Plant Operator
- 4 Surface Heater and Planer Operator

HYDRAULIC HOES

Group

- 5 Hydraulic Backhoe Operator, wheel type
3/8 cu. yd. And under with or without
front end attachments 2 ½ cu. yd. and
under (Ford, John Deere, Case type)
- 4 Hydraulic Backhoe Operator, Track Type 3/8
cu. yd. (Note: Over 3/8 cu. yd. takes
shovel classification rate)

LOADERS

Group

- 6 Bobcat, Skid Steer (under 1 cubic yard)
- 6 Bucket Elevator Loader Operator, Barber-
Greene and similar types
- 5 Loaders, rubber-tired type, 2 ½ cu. yd. and
under
- 5 Elevating Grader Operator, Tractor Towed
requiring Operator or Grader
- 4 Belt Loader Operator, Kolman and Ko Cal
types
- 4 Loader Operator, front end and overhead,
2 ½ cu. yd. and under 4 cu. yd.

OREGON DETERMINATION 99-02

TRADE	BASIC		TRADE	BASIC	
	HOURLY	FRINGE		HOURLY	FRINGE
	RATE	BENEFIT		RATE	BENEFIT

POWER EQUIPMENT OPERATORS (Continued)

LOADERS (Continued)

Group

- 4 Elevating Loader Operator, Athey and similar types
- 4 Elevating Grader Operator, Sierra, Euclid or similar types
- 3 Loader Operator, 4 cu. yd. but less than 6 cu. yd.
- 2 Loader Operator, 6 cu. yd. and over

OILERS

Group

- 6 Oiler
- 6 Guardrail Punch Oiler
- 6 Truck Crane Oiler-Driver, 25 ton or over
- 6 Auger Oiler
- 6 Grade Oiler, required to check grade
- 5 Service Oiler (Greaser)
- 6 Grade Checker

PILEDRIVERS

(Use Crane rates when driving or pulling piling)

Group

- 4 Hammer Operator
- 4 Piledriver Operator (not crane type)

PIPE LINE - Sewer Water

Group

- 6 Tar Pot Fireman
- 6 Tar Pot Fireman (power agitated)
- 6 Hydraulic Pipe Press Operator
- 5 Hydra Hammer or similar types
- 5 Pavement Breaker Operator
- 4 Pipe Cleaning Machine Operator
- 4 Pipe Doping Machine Operator
- 4 Pipe Bending Machine Operator
- 4 Pipe Wrapping Machine Operator
- 4 Boring Machine Operator
- 4 Back Filling Machine Operator

POWER EQUIPMENT OPERATORS (Continued)

PUMPS

Group

- 6 Pump Operator, any power
- 6 Hydrostatic Pump Operator
- 5 Pump Operator, more than 5 (any size)
- 5 Pot Rammer Operator

RAILROAD EQUIPMENT

Group

- 6 Brakeman
- 6 Oiler
- 6 Switchman
- 6 Motorman
- 6 Ballast Jack Tamper Operator
- 5 Locomotive Operator
- 5 Ballast Regulator Operator
- 4 H.D. Mechanic
- 5 Ballast Tamper Multi-Purpose Operator
- 5 Track Liner Operator
- 5 Tie Spacer Operator
- 5 Shuttle Car Operator

REMOTE CONTROL

GROUP

- 2 Remote controlled earth-moving equipment

REPAIRMEN, Heavy Duty

Group

- 6 Parts Man (Tool Room)
- 6 H.D. Repairman Assistant
- 6 Welder's Assistant
- 4 Diesel-Electric Engineer (Plant or Floating)
- 4 Bolt Threading Machine Operator
- 4 Drill Doctor (Bit Grinder)
- 4 H.D. Mechanic
- 4 H.D. Welder
- 4 Machine Tool Operator
- 4 Combination H.D. Mechanic-Welder, when dispatched and/or when required to do both
- 4 Welder - Certified, when dispatched and/or required

OREGON DETERMINATION 99-02

TRADE	BASIC		TRADE	BASIC	
	HOURLY RATE	FRINGE BENEFIT		HOURLY RATE	FRINGE BENEFIT

POWER EQUIPMENT OPERATORS (Continued)

RUBBER -TIRED SCRAPERS

Group

- 4 Rubber-tired Scraper Operator, single engine, single scraper
- 4 Self-loading, paddle wheel, auger type under 15 cu. yd.
- 4 Rubber-tired Scraper Operator, twin engine
- 4 Rubber-tired Scraper Operator, with push-pull attachments.
- 3 Rubber-tired Scraper Operator, with tandem scraper
- 2 Rubber-tired Scraper Operator, with tandem scrapers, multi-engine
- 4 Self-loading, paddle wheel, auger type 15 cu. yd. and over, single engine
- 3 Self-loading, paddle wheel, auger type, finish and/or 2 or more units

SHOVEL, DRAGLINE, CLAMSHELL, BACKHOE, SKOOPER, ETC., OPERATOR

Group

- 6 Oiler
- 6 Grade Oiler (required to check grade)
- 6 Grade Checker
- 6 Fireman
- 4 Diesel-Electric Engineer
- 4 Stationary Drag Scraper Operator
- 4 Shovel, Dragline, Clamshell, Hoe etc., Operator under 3 cu. yd.
- 4 Grade-all Operator
- 2 Shovel, Dragline, Clamshell, Hoe etc., Operator 3 cu. yd. and over

SIGNALMAN

Group

- 6 Bell Boy, phones, etc., Operator
- 6 Helicopter Radioman (ground)

POWER EQUIPMENT OPERATORS (Continued)

SURFACING (BASE) MATERIAL

Group

- 6 Roller Operator, grading of base rock (not asphalt)
- 5 Roller Operator, Oiling, C.T.B.
- 6 Tamping Machine Operator, mechanical, self-propelled
- 5 Hydrographic Seeder Machine Operator, straw, pulp or seed.
- 5 Rock Spreaders, self-propelled
- 5 Pulva-mixer or similar types
- 4 Blade Mounted Spreaders, Ulrich and similar types
- 5 Chip Spreading Machine Operator
- 5 Lime Spreading Operator

SWEEPERS

- 6 Broom Operator, self-propelled
- 5 Sweeper Operator (Wayne type) self-propelled

TRACTOR-RUBBER TIRED

- 5 Tractor Operator, rubber-tired, 50 H.P. Flywheel and under
- 4 Tractor Operator, rubber-tired, over 50 H.P. Flywheel
- 4 Tractor Operator, with boom attachment
- 4 Rubber-tired Dozers and Pushers (Michigan, Cat, Hough type)

TRENCHING MACHINE

- 6 Oiler
- 6 Grade Oiler (required to check grade)
- 5 Trenching Machine Operator, maximum digging capacity 3 ft. depth
- 4 Trenching Machine Operator, maximum digging capacity over 3 ft. depth
- 4 Back Filling Machine Operator
- 2 Wheel Excavator
- 2 Canal Trimmer
- 2 Band Wagon (in conjunction with wheel excavator)

OREGON DETERMINATION 99-02

TRADE	BASIC		TRADE	BASIC	
	HOURLY	FRINGE		HOURLY	FRINGE
	RATE	BENEFIT		RATE	BENEFIT

POWER EQUIPMENT OPERATORS (Continued)

TUNNEL

Group

- 4 Mucking Machine Operator
- 6 Conveyor Operator (any type)
- 4 Shield Operator
- 6 Air filtration Equipment Operator
- 6 Dinkey Operator
- 6 Oiler
- 4 Tunnel Boring Machine Operator

UNDERWATER EQUIPMENT

Group

- 2 Underwater Equipment Operator, remote or otherwise, when used in construction work

WELDING MACHINES

Group

- 6 Welding Machine Operator

ROOFERS

Area 1

Roofers	21.30	5.85
Handling coal tar pitch	23.43	5.85
Remove fiberglass insulation	23.43	5.85

Area 2

Roofers	17.64	6.25
---------	-------	------

(Add \$2.00 per hour to Fringe for work with Irritable Bituminous material.)

Area 1

Clackamas
Clatsop
Columbia
Multnomah
Tillamook
Washington

Area 2

Benton
Douglas
Lane
Lincoln
Linn
Marion
Polk
Yamhill

SHEET METAL WORKERS

Area 1

24.03 9.73

(Add \$1.00 to base rate for work performed on any swinging platform, swinging chair or swinging ladder)

(Add \$1.00 to base rate for work with lead or installing material in a plant that uses lead in any form to manufacture a product. (excluding soldering)

(Add \$1.00 to base rate for work performed in a confined space as defined by OSHA.)

Area 2

20.10 7.17

(Add \$1.75 to base rate for work performed whenever it is possible for worker to fall 30 feet or more

(Add \$1.75 to base rate for work performed in an area where epoxy resins or other injurious chemicals are being applied)

Area 3

24.43 8.09

(Add \$1.00 to base rate for work where it is necessary to wear a chemically activated face mask)

(Add \$1.00 to base rate for work where employees required to wear a fresh air mask due to nuclear related work)

(Add \$.45 to base rate for work on a swinging stage, swinging scaffold or bosun chair in excess of 30 feet above the ground)

Area 4

20.82 8.26

Area 1

Benton	Gilliam	Linn	Wasco
Clackamas	Grant	Marion	Washington
Clatsop	Harney	Wheeler	Wheeler
Columbia	Hood River	Yamhill	Yamhill
Crook	Jefferson	Sherman	
Deschutes	Lincoln	Tillamook	

OREGON DETERMINATION 99-02

TRADE	BASIC		TRADE	BASIC	
	HOURLY	FRINGE		HOURLY	FRINGE
	RATE	BENEFIT		RATE	BENEFIT

SHEET METAL WORKERS (Continued)

<u>Area 2</u>	<u>Area 3</u>	<u>Area 4</u>
Baker	Morrow	Douglas
Malheur	Umatilla	Jackson
	Union	Josephine
		Klamath
		Lake

SOFT FLOOR LAYERS **21.26 5.68+a**

a) Plus 4% of basic hourly rate for employees with less than one year of service, 6% for those with more than one year.

SPRINKLER FITTERS **24.40 7.90**

TENDERS TO MASON TRADES **22.24 6.45**

Tenders to Bricklayers and Stone Masons, Mortar Mixers

(Add \$0.50 to base rate for refractory work)

(Add to base rate an amount equal to that received for safety belt requirements or other unusual job conditions by the mechanic this worker is tending)

TENDERS TO PLASTERERS **21.19 6.45**

TILE SETTER/
TERRAZZO WORKER **23.23 6.50**

(This trade is tended by "Tile, Terrazzo, Brick & Marble Finishers")

(Add \$.50 to base rate if safety belt required by State safety regulations.)

(Add \$1.00 to base rate if work involves epoxy, furnane, alklor acetylene black grouting or waterproof membrane.)

TILE, TERRAZZO, BRICK
& MARBLE FINISHERS **17.39 4.97**

TILE, TERRAZZO, BRICK & MARBLE FINISHERS (Continued)

Assists Tile Setters, Bricklayers, Marble Masons and Terrazzo Workers by striking, sawing, cleaning, washing or grouting. Does not lay or set any material.

(Add \$.50 to base rate if safety belt required by State safety regulations)

(Add \$1.00 to base rate if work involves epoxy, furnane, alklor acetylene black grouting or waterproof membrane.)

(Add \$0.75 to fringe for refractory repair work.)

TRUCK DRIVERS

NOTE: "THE SURVEY DATA REGARDING THIS CLASSIFICATION INDICATES THAT THERE IS ONE STATEWIDE RATE FOR ALL TRUCK DRIVERS. PLEASE REFER TO THE APPROPRIATE PROJECT COUNTY IN THE "OCCUPATIONS BY REGIONS" SECTION OF THIS BOOKLET."

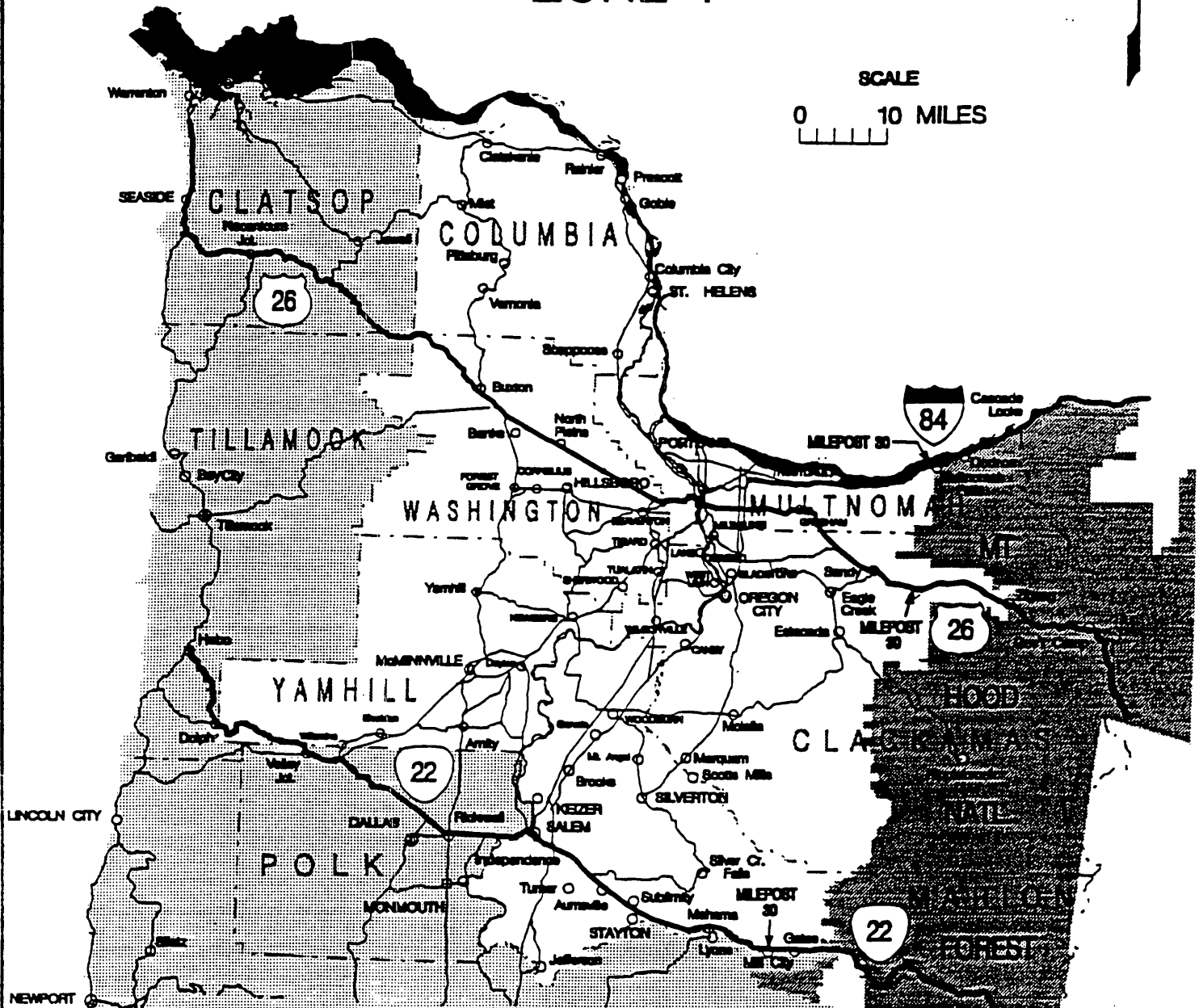
BUREAU OF LABOR AND INDUSTRIES Wage and Hour Division

ZONE 1



SCALE

0 10 MILES



**LIST OF CONTRACTORS INELIGIBLE
TO RECEIVE PUBLIC WORKS CONTRACTS**

Publication Date: July 1, 1999

To: All Oregon Contracting Agencies

Pursuant to ORS 279.361, contractors on this list are ineligible to receive public works contracts subject to the Prevailing Wage Rate Law. These contractors and subcontractors, as well as any firm, corporation, partnership or association in which the contractor or subcontractor has a financial interest are ineligible to receive public works contracts until removed from this list.

If you have questions regarding the list or for the most current information regarding persons ineligible to receive prevailing wage contracts, please contact the Prevailing Wage Rate Coordinator, (Portland) 731-4074 Ext. 250.

	<u>CONTRACTOR NAME</u>	<u>DATE PLACED</u>	<u>REMOVAL DATE</u>
1.	B.A.M. Electric Company, Inc. 3718 Altamont Drive Klamath Falls, OR 97603	July 22, 1998	July 21, 2001
2.	CMJ Construction, Inc. and Clifford M. Johnson 2256 S.Glenmorrie Drive Lake Oswego, OR 97034	October 15, 1998	October 14, 1999
3.	E. Gene Kasey dba Empire Landscaping 4714 SE 104th Portland, OR 97266	April 1, 1999	March 31, 2002
4.	Del Gilman dba Del Gilman Painting 1766 Henderson Eugene, OR 97403	April 1, 1999	March 31, 2002
5.	Lisa A. Wiese dba L & G Interiors P.O. Box 2218 Clackamas, OR 97015	April 20, 1998	April 19, 2001
6.	Larson Construction Co., Inc. and David M. Larson 485 SE 5th Warrenton, OR 97146	July 22, 1998	July 21, 2001
7.	Pro Fit Development, Inc., Karl O. Johnson, and Devin Luzier 1501 Green Siding Rd. Roseburg, OR 97470	April 20, 1998	April 19, 2001
8.	Westside Landscape, Inc., an Oregon Corporation, and Tim Barnes 590 Greenwood Rd. Independence, OR 97351	May 4, 1998	May 3, 2001

**OREGON BUREAU OF LABOR AND INDUSTRIES
JACK ROBERTS, COMMISSIONER**

BUREAU OF LABOR AND INDUSTRIES - WAGE AND HOUR DIVISION

INSTRUCTIONS FOR COMPLETING PAYROLL/CERTIFIED STATEMENT FORM

General: This form meets needs resulting from the 1983 amendments to the prevailing wage rate law. Under this amended law, the contractor is required to pay not less than fringe benefits as predetermined by the Bureau of Labor and Industries, in addition to payment of not less than the predetermined rates. The contractor's obligation to pay fringe benefits may be met either by payment of the benefits to the various plans, funds, or programs or by making these payments to the employees as cash in lieu of fringe benefits.

This form provides for the contractor's showing of the payroll and all monies paid to the employees, whether as basic rates or as cash in lieu of fringe benefits, and provides for the contractor's representation in the payroll/certified statement that he/she is paying other benefits required by the contract and not paid as cash in lieu of fringe benefits. Detailed instructions concerning the preparation of the form follow:

Complete the box at the top of the form. Complete the appropriate prime contractor or subcontractor box. Be sure to enter the date the contract was first advertised for bid. If you are not sure of this date, contact the Public Contracting Agency.

Column 1 - Name and Address of Employee: The employee's full name must be shown on each payroll submitted. The employee's address must also be shown on the first payroll submitted. The address need not be shown on subsequent payrolls unless the address changes.

Column 2 - Trade Classifications: List the classification found in the Bureau of Labor and Industries' publication "Prevailing Wage Rates for Public Works Contracts in Oregon," which is most descriptive of the work actually performed by the employee. Give the group number for those worker classifications which include such information. Consult the worker classifications and minimum prevailing wage rate schedule set forth in contract specifications. Refer to the appropriate prevailing wage rates in effect at the time the contract was first advertised for bid for information regarding trade classifications, basic hourly rates, and hourly fringe benefits. Indicate which workers are apprentices, if any, and give their current percentage, trade classification, and group number when applicable. If additional worker classifications are deemed necessary, contact the public contracting agency. If an employee works in more than one worker classification, use the highest rate for all hours worked, or use separate line entries to show hours worked, rate of pay, and fringe benefit for each classification.

Column 3 - DAY AND DATE: Enter the day of the week (M, T, W, Th, F, S, Sn) in the top row of boxes, and the number of the day of the month below.

- HOURS WORKED EACH DAY: Contractors who have adopted a written work schedule of four consecutive ten hour days, Monday through Thursday or Tuesday through Friday may enter hours worked over 10 in a day as overtime hours.

Column 4 - Total Hours: Enter separately the total number of overtime hours and straight time hours worked by each listed classification during this pay period; overtime ("OT") on top, straight time ("S") immediately below.

Column 5 - Basic Hourly Rate of Pay: Enter the basic hourly rate and the overtime hourly rate (if any) paid the employee in the appropriate overtime and straight time boxes. Payment of not less than one and one half times the basic or regular rate paid is required for overtime under ORS 279.334.

Column 6 - Hourly Fringe Benefit Paid as Wages to the Employee: Enter any additional cash paid directly to the employee in lieu of fringe benefits. It is not necessary to pay time and a half for overtime work on those wages which are paid in lieu of fringe benefits.

Column 7 - Gross amount earned: Enter the gross wages earned by the worker in this classification for all listed straight time hours, all listed overtime hours, and including all additional amounts paid directly to the employee.

INSTRUCTIONS FOR COMPLETING PAYROLL/CERTIFIED STATEMENT FORM

Column 8 - Total Deductions, FICA, FED, STATE, ETC: Enter the total amount of deductions withheld from each employee for just those hours reported on this payroll/certified statement for this project. All deductions must be in accordance with the provisions of ORS 652.610.

Column 9 - Net Wages Paid for Week: Enter the amount of wage actually paid to the employee after subtracting the total deductions reported in Column 8 from the gross amount earned shown in Column 7.

Column 10 - Hourly Fringe Benefit Paid to Party, Plan, Fund or Program: Enter the hourly amount of fringe benefits paid to each individually approved party, plan, fund or program for each employee. List these amounts separately on the lines provided. Any contractor who is making payments to approved parties, plans, funds or programs in amounts less than the required hourly fringe benefit is obligated to pay the difference directly to the employee as wages in lieu of fringe benefits, and to show that amount in Column 6 of this form.

Column 11 - Name of Benefit Party, Plan, Fund or Program: Enter the name of the party, plan, fund or program that corresponds to the amount shown as an hourly fringe benefit in Column 10.

Summary - In order to determine if the wages and fringe benefits being certified by this statement are sufficient to meet prevailing wage rate requirements, the following check may be performed:

1. Consider each Trade Classification listed in Column 2.
2. For that Trade Classification, take the sum of:
 - a) the Basic Hourly Rate of Pay (Column 5),
 - b) the Hourly Fringe Benefit Paid as Wage to Employee (Column 6),
 - c) and the Hourly Fringe Benefit Paid To Party, Plan, Fund or Program (Column 10).
3. This sum must equal or exceed the sum of the Basic Hourly Rate (including zone pay and special wage differentials, if any) and the Fringe Benefit as they are listed for that Trade Classification in the appropriately dated issue of the Bureau of Labor and Industries publication Prevailing Wage Rates for Public Works Contracts in Oregon.

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NOTICE TO CONTRACTORS: YOU ARE NO LONGER REQUIRED TO SUBMIT COPIES OF THE PAYROLL/CERTIFIED STATEMENT TO THE BUREAU OF LABOR AND INDUSTRIES. THE STATEMENT MUST BE SUBMITTED TO THE PUBLIC CONTRACTING AGENCY.

PRIME CONTRACTOR ☐
SUBCONTRACTOR ☐

FIRST ☐ 90 DAY ☐ LAST ☐

Business Name (DBA):	CCB Registration Number:	Project Name:	Project Number:
Phone: ()		Type of Work:	
Street Address:		Project Location:	
Mailing Address:		Project County:	
Date Pay Period Began:		Date Pay Period Ended:	

THIS SECTION FOR PRIME CONTRACTORS ONLY Public Contracting Agency Name: Phone: () Date Contract Specifications First Advertised For Bid: Contract Amount	THIS SECTION FOR SUBCONTRACTORS ONLY Subcontract Amount: Prime Contractor Business Name (DBA): Phone: () CCB Registration Number: Date You Began Work On The Project:
---	---

(1)		(2)		(3) DAY AND DATE							(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
NAME AND ADDRESS OF EMPLOYEE	TRADE, CLASSIFICATION (INCLUDE GROUP # IF APPLICABLE)									TOTAL HOURS	BASIC HOURLY RATE OF PAY	HOURLY FRINGE BENEFIT PAID AS WAGE TO EMPLOYEE	GROSS AMOUNT EARNED	TOTAL DEDUCTION FICA, FED, STATE, ETC	NET WAGE PAID FOR WEEK	HOURLY FRINGE BENEFIT PAID TO PARTY, PLAN, FUND OR PROGRAM	NAME OF BENEFIT PARTY, PLAN, FUND, OR PROGRAM		
			HOURS WORKED EACH DAY																
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(1)	(2)	(3) DAY AND DATE								(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
NAME AND ADDRESS OF EMPLOYEE	TRADE, CLASSIFICATION (INCLUDE GROUP # IF APPLICABLE)									TOTAL HOURS	BASIC HOURLY RATE OF PAY	HOURLY FRINGE BENEFIT PAID AS WAGE TO EMPLOYEE	GROSS AMOUNT EARNED	TOTAL DEDUCTION FICA, FED, STATE, ETC.	NET WAGE PAID FOR WEEK	HOURLY FRINGE BENEFIT PAID TO PARTY, PLAN, FUND OR PROGRAM	NAME OF BENEFIT PARTY, PLAN, FUND, OR PROGRAM
			HOURS WORKED EACH DAY														
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CERTIFIED STATEMENT

I _____ DO HEREBY STATE:
 (NAME OF SIGNATORY PARTY) (TITLE)

(1) THAT I PAY OR SUPERVISE THE PAYMENT OF THE PERSONS EMPLOYED BY; _____ ON THE _____ (BUILDING OR WORK) _____ (CONTRACTOR, SUBCONTRACTOR OR SURETY)
 THAT DURING THE PAYROLL PERIOD COMMENCING ON THE _____ DAY OF _____, 19_____, AND ENDING THE _____ DAY OF _____, 19_____,
 ALL PERSONS EMPLOYED ON SAID PROJECT HAVE BEEN PAID THE FULL WEEKLY WAGES EARNED, THAT NO REBATES HAVE BEEN OR WILL BE MADE EITHER DIRECTLY OR INDIRECTLY TO OR ON BEHALF OF SAID _____ FROM THE FULL WEEKLY WAGES EARNED BY ANY PERSON, AND THAT NO DEDUCTIONS HAVE BEEN MADE EITHER DIRECTLY OR INDIRECTLY FROM THE FULL WAGES EARNED BY ANY PERSON, OTHER THAN PERMISSIBLE DEDUCTIONS AS SPECIFIED IN ORS 652.610, AND DESCRIBED AS FOLLOWS:

(2) THAT ANY PAYROLLS OTHERWISE UNDER THIS CONTRACT REQUIRED TO BE SUBMITTED FOR THE ABOVE PERIOD ARE CORRECT AND COMPLETE; THAT THE WAGE RATES FOR WORKERS CONTAINED THEREIN ARE NOT LESS THAN THE APPLICABLE WAGE RATES CONTAINED IN ANY WAGE DETERMINATION INCORPORATED IN THE CONTRACT; THAT THE CLASSIFICATION SET FORTH THEREIN FOR EACH WORKER CONFORMS WITH WORK PERFORMED.
 (3) THAT ANY APPRENTICES EMPLOYED IN THE ABOVE PERIOD ARE DULY REGISTERED IN A BONA FIDE APPRENTICESHIP PROGRAM REGISTERED WITH A STATE APPRENTICESHIP AGENCY RECOGNIZED BY THE BUREAU OF APPRENTICESHIP AND TRAINING, UNITED STATES DEPARTMENT OF LABOR, OR IF NO SUCH RECOGNIZED AGENCY EXISTS IN A STATE, ARE REGISTERED WITH THE BUREAU OF APPRENTICESHIP AND TRAINING, UNITED STATES DEPARTMENT OF LABOR.

I HAVE READ THIS CERTIFIED STATEMENT, KNOW THE CONTENTS THEREOF AND IT IS TRUE TO MY KNOWLEDGE.

 NAME AND TITLE SIGNATURE
NOTE TO CONTRACTORS: YOU MUST ATTACH COPIES OF THIS FORM TO EACH OF YOUR PAYROLL SUBMISSIONS ON THIS PROJECT. SEE THE BOLI PUBLICATION PREVAILING WAGE RATES FOR PUBLIC WORKS CONTRACTS IN OREGON FOR INSTRUCTIONS ON COMPLETING THIS FORM.



Bureau of Labor and Industries
Prevailing Wage Rate Unit
800 N.E. Oregon St., # 32
Portland, OR 97232
Phone: (503) 731-4074, Fax: (503) 731-4623

PUBLIC WORK CONTRACT FEE INFORMATION FORM

(For use by contractors in complying with ORS 279.357)

THIS FORM TO BE USED FOR PROJECTS AWARDED AFTER SEPTEMBER 9, 1995 ONLY

Contractors: Please complete and mail this form to BOLI at the above address, along with the appropriate fee (1/10th of 1% of the contract price*) payable to BOLI. **Minimum fee is \$100.00, maximum fee is \$5,000.00.** Without the following completed information, the bureau may be unable to properly credit you for payment received.

BUSINESS NAME (DBA) _____ CCB # _____

MAILING ADDRESS: _____ PHONE: () _____
(STREET OR PO BOX #, CITY, STATE, ZIP)

PROJECT NAME: _____

PROJECT NUMBER: _____ PROJECT LOCATION: _____

AGENCY AWARDED CONTRACT: _____

AGENCY CONTACT PERSON: _____ PHONE: () _____

CONTRACT AMOUNT: _____ DATE AWARDED: _____ DATE WORK BEGAN: _____

*(Contract amount X .001)

(Please duplicate this form for future use)

Bureau of Labor and Industries
Prevailing Wage Rate Unit
800 N.E. Oregon St., # 32
Portland, OR 97232
phone: (503) 731-4074, ext. 250
FAX: (503) 731-4606

PUBLIC WORKS CONTRACT FEE ADJUSTMENT FORM

**THIS FORM TO BE USED FOR RECONCILIATION OF FEES ON COMPLETION OF
PUBLIC WORKS PROJECTS**

(As required by ORS 279.375 and OAR 839-16-210)

Contractors: Please complete and mail this form to BOLI at the above address, after completion of the public works project and not less than 30 days after the final payment by the contracting agency. Contractors are required to determine the final contract price, including all change orders or other adjustments to the original contract price and to calculate the adjusted prevailing wage rate fee, based on the revised contract price. Documentation must be included to support the final contract price. The prevailing wage rate fee, .001, (1/10th of 1%) shall be applied to the final contract price, with credit taken for fees already submitted. The contractor must submit the additional fee payable to BOLI with the adjustment form or requests for refund if applicable. **NO ADDITIONAL FEE WILL BE CHARGED, NOR A REFUND MADE, ON ANY RECONCILED AMOUNTS UNDER \$100.00.**

BUSINESS NAME (DBA) _____ CCB # _____

MAILING ADDRESS: _____ PHONE: () _____
(STREET OR PO BOX #, CITY, STATE, ZIP)

PROJECT NAME: _____

PROJECT NUMBER: _____ PROJECT LOCATION: _____

AGENCY AWARDED CONTRACT: _____ DATE AWARDED: _____

FINAL CONTRACT AMOUNT: _____ FINAL FEE DUE*: _____
(Include all change orders and adjustments to the contract price) *(Final Contract amount X .001)

ORIGINAL CONTRACT AMOUNT: _____ INITIAL FEE PAID*: _____
*(Contract amount X .001)

BALANCE DUE: _____ REFUND DUE: _____
(Final contract fee less initial fee paid)

Sample Calculation:

Final Contract Amount:	\$400,000.00	Final Fee Due:	\$400.00
Original Contract Amt:	- 300,000.00	Initial Fee Paid:	- 300.00
Total Adjustment:	\$100,000.00	Amount Due or Refund Due:	\$100.00

* Documentation may consist of change orders or other contract documents substantiating the amount of the contract.

(Please duplicate this form for future use)

BUREAU OF LABOR AND INDUSTRIES
NOTICE OF AWARD OF PUBLIC WORKS CONTRACT
(For use by Public Agencies in Complying with ORS 279.363)

1. CONTRACTING AGENCY INFORMATION

Name _____ Agency Number _____
Address _____
City, State, Zip _____
Agency Representative _____ Phone _____

2. CONTRACT INFORMATION

Project Name _____ Project Number _____
Project Manager Name _____ Fax Number _____
Phone Number _____
Project Location (Street(s), City, State) _____
Project County _____ Contract Amount _____
Source of Funds (i.e. 100% Federal Funds, 50/50 Federal/State, 100% Local, etc.) _____

Note: If this project is Federally funded and subject to the Davis Bacon Act, do not submit this form to the Oregon Bureau of Labor and Industries. If Federal funds are involved, but the project is subject to Oregon prevailing wage rate, please specify.

Date Contract Specifications First Advertised for Bid _____
Date Contract Awarded _____ Date Work Expected to Begin _____
Date First Progress Payment Due _____ Expected Date of Completion _____

3. PRIME CONTRACTOR INFORMATION

Name _____
Address _____
City, State, Zip _____ Phone _____
Construction Contractors Board Registration Number _____
Name of Bonding Company: _____
Address: _____
Agent Name/Phone: _____
Bond Number: _____

THIS FORM WILL BE RETURNED TO THE CONTRACTING AGENCY FOR CORRECTION AND RESUBMITTAL IF INCOMPLETE.

RETURN THIS COMPLETED FORM TO: **Bureau of Labor and Industries**
Wage and Hour Division Rm 1160
Prevailing Wage Section
800 NE OREGON # 32
PORTLAND, OR 97232
(503) 731-4074, EXT. 233 Fax: (503) 731-4606

PLANNED PUBLIC IMPROVEMENT SUMMARY

FISCAL YEAR _____ - _____

(Name of State or Local Government Agency)

PAGE _____ OF _____

Project Number	Project Name	Project Type	Project Location	Estimated Project Cost	Agency or Contract Work

ORS 279.023 generally states that not less than 30 days prior to adoption of its budget for the subsequent budget period, each public agency shall prepare and file with the Commissioner of the Bureau of Labor and Industries a list of every public improvement known to that agency that the agency plans to fund in the budget period. If the agency decides to use its own equipment and personnel for construction projects estimated to cost more than \$125,000 the agency shall show that the decision conforms to the policy of the State of Oregon that public agencies shall make every effort to construct public improvements at the least cost to the public agency, and the public agency shall cause to be kept and preserved a full, true and accurate account of the costs of performing the work including all engineering and administrative expenses and a reasonable estimate of the cost, including investment cost, of the equipment used. NOTE: This Improvement Summary together with the project estimate and least cost determination constitutes a public record available in the usual manner for public review or copying. Mail a copy of this public improvement summary to: Wage and Hour Division, 800 NE Oregon St., # 32, Portland, Oregon 97232.

(Name of State or Local Government Agency)

FUND:
PROJECT NUMBER

_____ determines that (Agency Forces) (Contractor) can perform this work at the least cost.
(Name of Agency) (Cross out one)

WH-119 (Rev. 9/98)

PART 2

CONTRACT FORMS

CONTRACT FOR CONSTRUCTION

THIS CONTRACT, made and entered into this 24th day of September, 1999, by and between the CITY OF NEWBERG, OREGON, a municipal corporation, hereinafter called the "OWNER", and

Bill Erickson Heavy Construction, Inc.

of P.O. Box 1900, Oregon City, OR 97045

hereinafter called the "CONTRACTOR".

WITNESS:

Said Contractor, in consideration of the sum to be paid Contractor by the said Owner and of the covenants and agreements herein contained, hereby agrees at Contractors own proper cost and expense to do all the work and furnish all the materials, tools, labor, and all appliances, machinery and appurtenances for the **Water Treatment Plant Bluff Landslide Repair** to the extent of the Bid made by the Contractor on the 14th day of September 1999, all in full compliance with the Contract Documents referred to herein.

The Advertisement for Bid, the signed copy of the Bid made by the Contractor, the fully executed Performance and Payment Bond, Standard Specifications, Special and Technical Specifications, and Drawings entitled **Water Treatment Plant Bluff Landslide Repair** dated August, 1999, are hereby referred to and, by reference, made a part of this Contract as fully as if the same were completely set forth herein.

In consideration of the faithful performance of the work herein embraced, as set forth in these Contract Documents, and in accordance with the direction of the Owner and to Owners satisfaction to the extent provided in the Contract Documents, or as otherwise herein provided and based on the said Bid made by the Contractor, the Owner agrees to pay to the Contractor the amount bid as adjusted in accordance with the Contract Documents, and to make such payments in the manner and at the times provided in the Contract Documents.

The Contractor agrees to complete the work within the time specified herein and to accept as full payment hereunder the amounts computed as determined by the Contract Documents and based on the said Bid. The Contractor agrees to indemnify and save harmless the Owner from any and all defects appearing or developing in the materials furnished and the workmanship performed under this Contract for a period of one year or such other time as applicable law may allow after the date of acceptance of the work in the Contract by the Owner.

In the event that the Contractor shall fail to complete the work within the time limits or the extended time limit agreed upon, as more particularly set forth in the Contract Documents, liquidated damages shall be paid at the rate of Seven Hundred Dollars (\$700.00) per consecutive calendar day. Sundays and legal holidays shall be excluded in determining days in default.

The provisions of ORS 279.348 to 279.365 relating to prevailing wage rates are made a part of this Contract as completely as if the same were fully set forth herein.

The Contractor shall pay a fee to the Oregon Bureau of Labor and Industries pursuant to the provisions of ORS 279.352. The fee is equal to one-tenth of one percent (0.1 percent) of the price of the Contract, but not less than \$100 nor more than \$5000, regardless of the Contract price. The fee shall be paid on or before the first progress payment or 60 days from the date work first began on the Contract, whichever comes first. The fee is payable to the Bureau of Labor and Industries and shall be mailed or otherwise delivered to the Bureau at the following address:

Bureau of Labor and Industries
Wage and Hour Division
Prevailing Wage Unit
800 NE Oregon Street, #32
Portland, Oregon 97232

IN WITNESS WHEREOF, the parties hereto have caused this agreement to be executed the day and year first herein above written.

CITY OF NEWBERG, OREGON

By 

Print Name Duane R. Cole

City Manager
Title

CONTRACTOR

By 

Print Name Bill Erickson

President
Title

APPROVED AS TO FORM:

City Attorney

Date

PERFORMANCE - PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: That we _____

a _____ hereinafter called "Principal" and _____
(Corp., Partnership, or Individual)

of _____, State of _____, herein after called "Surety", are held firmly bound unto the City of Newberg, Oregon, hereinafter called "Owner" in the penal sum of _____ Dollars (\$_____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, and successors, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that Whereas, the Principal entered into a certain Contract with the Owner, dated this ____ day of _____, 1999, a copy of which is hereto attached and made a part hereof for the construction of the **Water Treatment Plant Bluff Landslide Repair**.

NOW THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said Contract during the original term thereof, and any extension thereof which may be granted by the Owner, with or without notice to the Surety, and if Principal shall fully indemnify and save harmless the Owner from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the Owner all outlay and expense which the Owner may incur in making good any default, and shall promptly make payment to all persons, firms, subcontractors, and corporations furnishing materials for or performing labor in the prosecution of the work provided for in such contracts and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools consumed or used in connection with the construction of such work whether by subcontractor or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition of the terms of the Contract or the work to be performed thereunder or the specifications accompanying the same shall in any way affect its obligation on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract or to the work or to the specification.

PROVIDED, FURTHER, that no final settlement between the Owner and the Contractor shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed this ____ day of _____ 1999.

Principal

(Principal) Secretary

(s)

(Address - Zip Code)

(SEAL)

Witness as to Principal

(Address - Zip Code)

ATTEST

Surety

(Surety) Secretary

By _____
Attorney-in-fact

(SEAL)

Witness as to Surety

(Address - Zip Code)

Note: Date of Bond must not be prior to the date of Contract. If Contractor is Partnership, all partners should execute bond.

PART 3

STANDARD SPECIFICATIONS

STANDARD SPECIFICATIONS

The WORK to be performed under this CONTRACT shall be in accordance with the 1990 AMERICAN PUBLIC WORKS ASSOCIATION OREGON CHAPTER STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION and the 1992 Supplement (s) to the Standard Specifications, except as modified by the SPECIAL SPECIFICATIONS and Drawings contained herein.

PART 4

SPECIAL AND TECHNICAL SPECIFICATIONS

**SECTION 01001
GENERAL REQUIREMENTS**

PART 1 PROJECT DESCRIPTION

1.01 GENERAL

- A. A brief description of the work is stated in the Advertisement for Bids. To determine the full scope of the project or any particular part of the project, coordinate the applicable information in the several parts of these Contract Documents.

PART 2 SEQUENCE OF OPERATIONS

2.01 SCHEDULING

- A. Plan the work and carry it out with minimum interference to the operation of the existing City facilities and Smurfit Newsprint Corporation plant operation. Prior to starting the work, confer with the ENGINEER and OWNER's representative to develop a work schedule which will permit the facilities to function normally as practical. It may be necessary to do certain parts of the construction work outside normal working hours in order to avoid undesirable conditions. The CONTRACTOR shall do this work at such times, and at no additional cost to the OWNER .
- B. Work shall be performed on a schedule and in a manner that will permit the existing facility to operate continuously.
- C. The earthwork shall be scheduled such that the reshaping area and the slope cuts as shown are completed early in the project to allow final grading of the cut slope and placement of the slope protection material. The CONTRACTOR shall identify in his construction schedule when completion of the slope protection materials will be completed.

PART 3 SITE CONDITIONS

3.01 SITE INVESTIGATION AND REPRESENTATION

- A. The CONTRACTOR acknowledges satisfaction as to the nature and location of the work, the general and local conditions, particularly those bearing upon availability of transportation, access to the site, disposal handling and storage of materials, availability of labor, water, electric power, roads, and uncertainties of weather, river stages, or similar physical conditions at the site, the conformation

and conditions of the ground, the character of equipment and facilities needed preliminary to and during the prosecution of the work, and all other matters which can in any way affect the work or the cost thereof under this Contract.

- B. The CONTRACTOR further acknowledges satisfaction as to character, quality, and quantity of surface and subsurface materials to be encountered from his inspection of the site and from reviewing any available records of exploratory work furnished by the OWNER or included in these Documents. A geotechnical report has been prepared for the project by Squier Associates titled "Geotechnical Investigation and Findings Report" and dated June 24, 1999. This report is on file at the City of Newberg Community Development office for review or a copy may be obtained by making a request through the office at 537-1240. Failure by the CONTRACTOR to become acquainted with the physical conditions of the site and all the available information will not relieve the CONTRACTOR from responsibility for properly estimating the difficulty or cost of successfully performing the work.
- C. The CONTRACTOR warrants that as a result of examination and investigation of all the aforesaid data, the CONTRACTOR can perform the work in a good and workmanlike manner and to the satisfaction of the OWNER. The OWNER assumes no responsibility for any representations made by any of its officers or agents during or prior to the execution of this Contract, unless (1) such representations are expressly stated in the Contract, and (2) the Contract expressly provides that the responsibility therefor is assumed by the OWNER.

PART 4 INFORMATION ON SITE CONDITIONS

4.01 UTILITIES

- A. Known utilities and structures adjacent to the work area are shown on the Drawings. The locations shown are taken from existing records; however, it is expected that there may be some discrepancies and omissions in the locations and quantities of utilities and structures shown. Those shown are for the convenience of the CONTRACTOR only, and no responsibility is assumed by either the OWNER or the ENGINEER for their accuracy or completeness.
- B. The following is a list of the major utilities and OWNER facility contacts serving the work area indicating the name and telephone number of the responsible authority of the various utilities and plant contacts which should be notified if conflicts or emergencies arise during the progress of the work:

Name of Utility/Plant	Responsible Authority	Telephone No.
All	One-Call Utility Location	1-800-332-2344
Electrical	PGE	503-463-6188
Gas	NW Natural	1-800-422-4012
Telephone	GTE Northwest	1-800-483-5100
Water/Waste Water Plants	City of Newberg	503-538-9671
Owner Contact	City of Newberg	503-537-1211
Smurfit Engineering	Gary Fischer	503-537-6278
Smurfit Environmental	Stan Miller	503-538-2151

4.02 CONTRACTOR'S RESPONSIBILITY FOR UTILITY PROPERTIES AND SERVICE

- A. Where the CONTRACTOR's work could cause damage or inconvenience to plant operation, the work shall be suspended until all arrangements necessary for the protection of these utilities and services have been made by the CONTRACTOR.
- B. Notify all utility offices which are affected by the construction operation at least 48 hours in advance.
- C. The CONTRACTOR shall be solely and directly responsible to the OWNER and operators of such properties for any damage, injury, expense, loss, inconvenience, delay, suits, actions, or claims of any character brought because of any injuries or damage which may result from the construction operations under this Contract.
- D. Neither the OWNER nor its officers or agents shall be responsible to the CONTRACTOR for damages as a result of the CONTRACTOR's failure to protect utilities encountered in the work.
- E. In the event of interruption to domestic water, or other utility services as a result of accidental breakage due to construction operations, promptly notify the proper authority. Cooperate with said authority in restoration of service as promptly as possible and bear all costs of repair. In no case shall interruption of any water or utility service be allowed to exist outside working hours unless prior approval is granted.

4.03 INTERFERING STRUCTURES

- A. Take necessary precautions to prevent damage to existing structures whether on the surface, aboveground, or underground. An attempt has been made to show major structures on the Drawings. The completeness and accuracy of information shown cannot be guaranteed, and it is presented simply as a guide to avoid known possible difficulties.
- B. Without additional compensation, the CONTRACTOR may remove and replace in a condition as good as or better than original, such small miscellaneous structures as fences that interfere with the CONTRACTOR's operations.

PART 5 TEMPORARY CONSTRUCTION UTILITIES AND FACILITIES

5.01 TEMPORARY WATER

- A. Water is available at the project sites. All water used during construction will be paid for by the OWNER.

5.02 TEMPORARY ELECTRIC POWER

- A. Electric power is available at the Water Plant site. All electrical power used during construction will be paid for by the OWNER.

5.03 SANITARY FACILITIES

- A. The CONTRACTOR shall provide and maintain sanitary facilities for his employees and his subcontractors' employees that will comply with the regulations of the local and state departments of health and as directed by the ENGINEER.

5.04 STORAGE OF MATERIALS

- A. Materials shall be so stored as to ensure the preservation of their quality and fitness for the work without interference with Water Plant and Smurfit Plant operations. Obtain OWNER's approval prior to locating and usage of material storage areas.
- B. Delicate instruments and materials subject to vandalism shall be placed under locked cover and, if necessary, provided with temperature control as recommended by the manufacturer.

- C. Storage of import materials on the Water Plant site shall be accomplished using concrete ecology blocks placed on three sides to contain the materials. Obtain approval of the location and size of the storage area prior to storing materials on site. At completion of project, OWNER wants to retain ecology blocks and have them transported to the City's Wastewater Treatment plant.

PART 6 SAFETY AND CONVENIENCE

6.01 CONSTRUCTION SAFETY PROGRAM

- A. The CONTRACTOR shall develop and maintain for the duration of this Contract, a safety program that will effectively incorporate and implement all required safety provisions. The CONTRACTOR shall appoint an employee who is qualified and authorized to supervise and enforce compliance with the safety program.
- B. The duty of the ENGINEER to conduct construction review of the CONTRACTOR's performance is not intended to include a review or approval of the adequacy of the CONTRACTOR's safety supervisor, the safety program, or any safety measures taken in, on, or near the construction site.

6.02 SAFETY EQUIPMENT

- A. The CONTRACTOR, as part of his safety program, shall maintain at his office or other well-known place at the jobsite, safety equipment applicable to the work as prescribed by the governing safety authorities, all articles necessary for giving first-aid to the injured, and shall establish the procedure for the immediate removal to a hospital or a doctor's care of any person who may be injured on the jobsite.

6.03 ACCIDENT REPORTS

- A. If death or serious injuries or serious damages are caused, the accident shall be reported immediately by telephone or messenger to the ENGINEER. In addition, the CONTRACTOR must promptly report in writing to the ENGINEER all accidents whatsoever arising out of, or in connection with, the performance of the work whether on, or adjacent to, the site, giving full details and statements of witnesses.
- B. If a claim is made by anyone against the CONTRACTOR or any subcontractor on account of any accident, the CONTRACTOR shall promptly report the facts in writing to the ENGINEER, giving full details of the claim.

6.04 SAFE ACCESS BY FEDERAL, STATE, AND LOCAL GOVERNMENT OFFICIALS

- A. Authorized representatives of the Oregon State Department of Environmental Quality, Oregon State Board of Health, and other government officials shall at all

times have safe access to the work, and the CONTRACTOR shall provide proper facilities for such access and inspection.

6.05 PLANT SECURITY AND ACCESS

- A. Comply with all rules and regulations of the City of Newberg and Smurfit Newsprint Corporation plant security for requirements for access to the plants. Conduct the work so as to assure the least possible obstruction to traffic and normal plant operations.
- B. Access to the site for construction equipment will be made available through Gate 19 at the eastern perimeter of the site off Dog Ridge Road, the location as shown on the Drawings..

6.06 FIRE PREVENTION AND PROTECTION

- A. The CONTRACTOR shall perform all work in a fire-safe manner. He shall supply and maintain on the site adequate fire-fighting equipment capable of extinguishing incipient fires. The CONTRACTOR shall comply with applicable federal, state, and local fire-prevention regulations. Where these regulations do not apply, applicable parts of the National Fire Prevention Standard for Safeguarding Building Construction Operations (NFPA No. 241) shall be followed.

PART 7 PRESERVATION, RESTORATION, AND CLEANUP

7.01 SITE RESTORATION AND CLEANUP

- A. At all times during the work, keep the premises clean and orderly, and upon completion of the work, repair all damage caused by equipment and leave the project free of rubbish or excess materials of any kind.
- B. Stockpile excavated materials in a manner that will cause the least damage to adjacent lawns, grassed areas, gardens, shrubbery, or fences, regardless of whether these are on private property, or on state, county, or city rights-of-way. Remove all excavated materials from grassed and planted areas, and leave these surfaces in a condition equivalent to their original condition.
- C. Upon completion of work, drag access road to remain to allow vehicle passage.

7.02 REMOVAL OF ROCK FROM PLANT ROADWAYS

- A. Remove and dispose of all loose rock and boulders larger than 2-inch diameter occurring on the plant roadways as a result of the construction operations.

7.03 ROADWAY CLEANUP DURING CONSTRUCTION

- A. Thoroughly clean all spilled dirt, gravel, or other foreign material caused by the construction operations from all plant roadways at the conclusion of each day's operation.

7.04 DUST PREVENTION

- A. All plant roads and haul roads used in the construction area shall be kept free from dust by providing a water truck with water spreading bars for uniform application to roadways, an approved dust-preventive treatment or periodically water to prevent dust. Applicable methods needed for dust prevention shall be strictly enforced.

PART 8 SUBMITTALS

8.01 GENERAL

- A. Requirements in this section are in addition to any specific requirements for submittals specified in other sections of these Contract Documents.
- B. Submittals to the OWNER shall be addressed to: City of Newberg, Community Development Office, P.O. Box 970, Newberg Oregon 97132, Attention: Gene Appel.
- C. Submitted data shall be fully sufficient in detail for determination of compliance with the Contract Documents.
- D. Review, acceptance, or approval of substitutions, schedules, shop drawings, lists of materials, and procedures submitted or requested by the CONTRACTOR shall not add to the Contract amount, and all additional costs which may result therefrom shall be solely the obligation of the CONTRACTOR.
- E. The OWNER is not precluded, by virtue of review, acceptance, or approval, from obtaining a credit for construction savings resulting from allowed concessions in the work or materials therefor.
- F. It shall not be the responsibility of the OWNER to provide engineering or other services to protect the CONTRACTOR from additional costs accruing from such approvals.
- G. No equipment or material for which listings, drawings, or descriptive material is required shall be installed until the ENGINEER has on hand copies of such approved lists and the appropriately stamped final shop drawings.

- H. The review of drawings by the OWNER and ENGINEER will be limited to general design requirements only, and shall in no way relieve the CONTRACTOR from responsibility for errors or omissions contained therein.
- I. Submittals will be acted upon by the OWNER and ENGINEER as promptly as possible, and returned to the CONTRACTOR not later than the time allowed for review in SHOP DRAWING SUBMITTAL PROCEDURE. Delays caused by the need for resubmittals shall not constitute reason for an extension of Contract time.

8.02 SHOP DRAWING SUBMITTAL PROCEDURE

- A. The CONTRACTOR shall submit five copies to the OWNER for his review, shop drawings, and catalog cuts for fabricated items and manufactured items furnished under this Contract. Shop drawings shall be submitted in sufficient time to allow the OWNER and ENGINEER not less than 10 regular working days for examining the shop drawings.
- B. These shop drawings shall be accurate, distinct, and complete, and shall contain all required information, including satisfactory identification of items, units, and assemblies in relation to the Contract Drawings and Specifications.
- C. Shop drawings shall be submitted only by the CONTRACTOR, who shall indicate by a signed stamp on the shop drawings, or other approved means, that he (the CONTRACTOR) has checked and approved the shop drawings, and that the work shown is in accordance with Contract requirements and has been checked for dimensions and relationship with work of all other trades involved. The practice of submitting incomplete or unchecked shop drawings for the ENGINEER to correct or finish will not be acceptable, and shop drawings which, in the opinion of the ENGINEER, clearly indicate that they have not been checked by the CONTRACTOR will be considered as not complying with the intent of the Contract Documents and will be returned to the CONTRACTOR for resubmission in the proper form.
- D. When the shop drawings have been reviewed by the OWNER and ENGINEER, two sets of submittals will be returned to the CONTRACTOR appropriately stamped. If major changes or corrections are necessary, the shop drawing may be rejected and one set will be returned to the CONTRACTOR with such changes or corrections indicated, and the CONTRACTOR shall correct and resubmit the shop drawings in the same manner and quantity as specified for the original submittals unless otherwise directed by the ENGINEER. If changes are made by the CONTRACTOR (in addition to those requested by the ENGINEER) on the resubmitted shop drawings, such changes shall be clearly explained in a transmittal letter accompanying the resubmitted shop drawings.

- E. The review of such shop drawings and catalog cuts by the OWNER and ENGINEER shall not relieve the CONTRACTOR from responsibility for correctness of dimensions, fabrication details, and space requirements, or for deviations from the Contract Drawings or Specifications, unless the CONTRACTOR has called attention to such deviations in writing by a letter accompanying the shop drawings and the OWNER and ENGINEER approve the change or deviation in writing at the time of submission; nor shall review by the OWNER and ENGINEER relieve the CONTRACTOR from the responsibility for errors in the shop drawings.
- F. The CONTRACTOR agrees that shop drawing submittals processed by the OWNER and ENGINEER do not become Contract Documents and are not Change Orders; that the purpose of the shop drawing review is to establish a reporting procedure and is intended for the CONTRACTOR's convenience in organizing his work and to permit the OWNER and ENGINEER to monitor the CONTRACTOR's progress and understanding of the design.

PART 9 CONTRACT CLOSE OUT

9.01 FINAL SUBMITTALS

- A. No Contract will be finalized until all guarantees, bonds, certifications, licenses, and affidavits required for work or equipment as specified are satisfactorily filed with the OWNER.

9.02 RELEASE OF LIENS OR CLAIMS

- A. No Contract will be finalized until satisfactory evidence of release of liens has been submitted to OWNER.

9.03 FINAL INSPECTION

- A. After final cleanup and upon written notice from CONTRACTOR that work is completed, ENGINEER will make preliminary inspection with the CONTRACTOR present. Upon completion of preliminary inspection, OWNER will notify CONTRACTOR in writing of particulars in which the completed work is defective or incomplete.
- B. Upon receiving written notice from OWNER, CONTRACTOR shall immediately undertake work required to remedy defects and complete the work to the satisfaction of ENGINEER and OWNER.
- C. After the items as listed in OWNER's written notice are corrected or completed, inform OWNER in writing that required work has been completed. Upon receipt of this notice, OWNER will make final inspection of the project.

- D. Should the OWNER find all work satisfactory at the time of final inspection, CONTRACTOR will be allowed to make application for final payment. Should OWNER still find deficiencies in the work, OWNER will notify CONTRACTOR in writing of deficiencies and will not approve CONTRACTOR's request for final payment until such time as CONTRACTOR has satisfactorily completed the required work.

PART 10 PAYMENT

10.01 GENERAL

- A. Payment for the work in this section will be included as part of the lump sum bid amount stated in the Proposal.

END OF SECTION

SECTION 01002 ABBREVIATIONS

PART 1 GENERAL

1.01 REFERENCE TO STANDARDS AND SPECIFICATIONS OF TECHNICAL SOCIETIES

- A. Work specified by reference to the published standard or specification of a government agency, technical association, trade association, professional society or institute, testing agency, or other organization shall meet the requirements or surpass the minimum standards of quality for materials and workmanship established by the designated standard or specification.
- B. Where so specified, products or workmanship shall also meet or exceed the additional prescriptive or performance requirements included within the Contract Documents to establish a higher or more stringent standard of quality than that required by the referenced standard.
- C. Where two or more standards are specified to establish quality, the product and workmanship shall meet or exceed the requirements of the most stringent.
- D. Where both a standard and a brand name are specified for a product in the Contract Documents, the proprietary product named shall meet or exceed the requirements of the specified reference standard.
- E. Copies of standards and specifications of technical societies:
 - 1. Copies of applicable referenced standards have not been bound in these Contract Documents. Where copies of standards are needed by the CONTRACTOR, obtain a copy or copies directly from the publication source and maintain in an orderly manner at the site as Work site records, available to the CONTRACTOR's personnel, Subcontractors, OWNER, and ENGINEER.

1.02 ABBREVIATIONS

- A. Abbreviations for trade organizations and government agencies: Following is a list of construction industry organizations and government agencies to which references may be made in the Contract Documents, with abbreviations used.
 - 1. AA Aluminum Association
 - 2. AABC American Concrete Institute
 - 3. AAMA Anti-Friction Bearing Manufacturers' Association

4.	AASHTO	American Association of State Highway and Transportation Officials
5.	ACI	American Concrete Institute
6.	AFBMA	Anti-Friction Bearing Manufacturers' Association
7.	AGA	American Gas Association
8.	AGMA	American Gear Manufacturers' Association
9.	AI	Asphalt Institute
10.	AISC	American Institute of Steel Construction
11.	AISI	American Iron and Steel Institute
12.	AITC	American Institute of Timber Construction
13.	ALS	American Lumber Standards
14.	AMA	Acoustical Materials Association
15.	AMCA	Air Movement and Control Association
16.	ANSI	American National Standards Institute
17.	APA	American Plywood Association
18.	API	American Petroleum Institute
19.	APWA	American Public Works Association
20.	AREA	American Railway Engineering Association
21.	ARI	Air Conditioning and Refrigeration Institute
22.	ASA	American Standards Association
23.	ASAE	American Society of Agricultural Engineers
24.	ASCE	American Society of Civil Engineers
25.	ASHRAE	American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.
26.	ASNT	American Society for Nondestructive Testing
27.	ASME	American Society of Mechanical Engineers
28.	ASTM	American Society for Testing and Materials
29.	AWI	Architectural Wood Work Institute
30.	AWPA	American Wood Preservers' Association
31.	AWPB	American Wood Preservers Bureau
32.	AWS	American Wood Preservers' Institute
33.	AWS	American Welding Society
34.	AWWA	American Water Works Association
35.	BHMA	Builders Hardware Manufacturers' Association
36.	CBMA	Certified Ballast Manufacturers' Association
37.	CDA	Copper Development Association
38.	CGA	Compressed Gas Association
39.	CIPRI	Cast Iron Pipe Research Institute
40.	CISRI	Cast Iron Soil Pipe Institute
41.	CMAA	Crane Manufacturers' Association of America
42.	CRSI	Concrete Reinforcing Steel Institute
43.	CS	Commercial Standard
44.	CSA	Canadian Standards Association
45.	CSI	Construction Specifications Institute
46.	CTSS	Caltrans Standard Specification

47.	EJCDC	Engineers Joint Contract Documents' Committee
48.	ETL	Engineering Test Laboratories
49.	FAA	Federal Aviation Administration
50.	FCC	Federal Communications Commission
51.	FEMA	Federal Emergency Management Agency
52.	FGMA	Flat Glass Marketing Association
53.	FM	Factory Mutual
54.	Fed. Spec.	Federal Specifications
55.	FS	Federal Specification
56.	GA	Gypsum Association
57.	HI	Hydraulic Institute
58.	HMI	Hoist Manufacturers' Institute
59.	ICBO	International Conference of Building Officials
60.	ICEA	Insulated Cable Engineers' Association
61.	IEEE	Institute of Electrical and Electronics Engineers, Inc.
62.	IES	Illuminating Engineering Society
63.	IFI	Industrial Fasteners Institute
64.	ISA	Instrument Society of America
65.	ISO	Insurance Service Office
66.	JIC	Joint Industry Conferences of Hydraulic Manufacturers
67.	MIA	Marble Institute of America
68.	Mil. Sp. or MIL	Military Specification
69.	MS	Military Specification
70.	MMA	Monorail Manufacturers' Association
71.	NAAMM	National Association of Architectural Metal Manufacturers
72.	NACE	National Association of Corrosion Engineers
73.	NBHA	National Builders' Hardware Association
74.	NEBB	National Environmental Balancing Bureau
75.	NEC	National Electrical Code
76.	NECA	National Electrical Contractors' Association
77.	NEMA	National Electrical Manufacturers' Association
78.	NESC	National Electric Safety Code
79.	NFPA	National Fire Protection Association
80.	NHLA	National Hardwood Lumber Association
81.	NHPMA	Northern Hardwood and Pine Manufacturers' Association
82.	NLMA	National Lumber Manufacturers' Association
83.	NRCA	National Roofing Contractors Association
84.	NSF	National Sanitation Foundation Testing Laboratory
85.	NSPE	National Society of Professional Engineers
86.	NTMA	National Terazzo and Mosaic Association
87.	NWWDA	National Wood Window and Door Association
88.	OECI	Overhead Electrical Crane Institute
89.	OSHA	Occupational Safety and Health Act (both Federal and State)

90.	PCI	Prestressed Concrete Institute
91.	PEI	Porcelain Enamel Institute
92.	PPI	Plastic Pipe
93.	PS	Product Standards Section-U.S. Department of Commerce
94.	RMA	Rubber Manufacturers' Association
95.	SAE	Society of Automotive Engineers
96.	SCPRF	Structural Clay Products Research Foundation
97.	SDI	Steel Deck Institute
98.	SDI	Steel Door Institute
99.	SIGMA	Sealed Insulating Glass Manufacturing Association
100.	SJI	Steel Joist Institute
101.	SMACNA	Sheet Metal and Air Conditioning Contractors National Association
102.	SPI	Society of the Plastics Industry
103.	SSPC	Steel Structures Painting Council
104.	SWI	Steel Window Institute
105.	TEMA	Tubular Exchanger Manufacturers' Association
106.	TCA	Tile Council of America
107.	UBC	Uniform Building Code
108.	UFC	Uniform Fire Code
109.	UL	Underwriters Laboratories Inc.
110.	UMC	Uniform Mechanical Code
111.	US	U.S. Bureau of Standards
112.	USBR	U.S. Bureau of Reclamation
113.	WCLIB	West Coast Lumber Inspection Bureau
114.	WWPA	Western Wood Products Association

PART 2 PRODUCTS (NOT USED)

PART 3 EXECUTION (NOT USED)

END OF SECTION

SECTION 02100 CLEARING

PART 1 GENERAL

1.01 WORK INCLUDED

- A. This section covers the work necessary to remove all interfering or objectionable material from the designated areas as shown on the Drawings or designated in the Specifications.
- B. This work shall also include the preservation from damage or defacement of all vegetation and existing objects designated to remain, as shown or as specified.
- C. Review with the Engineer the location, limits, and methods to be used prior to commencing the work under this section.

PART 2 PRODUCTS

2.01 GENERAL

- A. Provide all labor, materials, and equipment necessary to accomplish the work specified in this section.

PART 3 EXECUTION

3.01 CLEARING AND GRUBBING

- A. Clear the site within the construction limits shown. Remove the existing trees, brush, stumps, and vegetative matter on the site. Grub out stumps and roots. Prevent damage to adjacent trees which are to remain. Removal shall include all branches and sticks greater than 1 inch in diameter or thickness. After completing of clearing and grubbing, get ENGINEER's acceptance before commencing stripping.

3.02 CLEARING ONLY FOR ACCESS AREAS

- A. Clear the necessary access areas to perform earthwork buttress and toe beam construction. Remove the minimum number of existing trees. In areas not receiving fill and not being reshaped, grubbing out stumps and roots shall not be required. Review with Engineer the trees to be removed outside the construction area prior to cutting.

3.02 STRIPPING

- A. Prior to beginning excavation strip the vegetation to a depth sufficient to remove all organic material for separate handling at the disposal areas..

3.03 DISPOSAL OF CLEARING, GRUBBING, AND STRIPPING

- A. The trees, roots, and brush from the clearing and grubbing work shall remain on the plant site and taken to appropriate Smurfit drop off areas for processing. The trees, roots, and brush will go to the wood waste hog fuel area shown on the Smurfit Plant Area Road Map shown on the Drawings.
- B. The vegetation and stripping shall be taken to the sound berm or landfill cap disposal areas and handled separately from the other disposal materials taken to those areas as directed by the Engineer.

PART 4 MEASUREMENT AND PAYMENT

4.01 GENERAL

- A. There will be no measurement of work performed under this section.
- B. Payment for work in this section, will be included as part of the lump sum bid.

END OF SECTION

SECTION 02200 EARTHWORK

PART 1 GENERAL

1.01 WORK INCLUDED

- A. This section covers the work necessary for the earthwork, complete.

1.02 DEFINITIONS

- A. Prepared Ground Surface: The ground surface after clearing, grubbing, stripping, excavation, and scarification and/or compaction.
- B. Completed Course: A course or layer that is ready for the next layer or next phase of the work.
- C. Well-Graded: A mixture of particle sizes that has no specific concentration or lack thereof of one or more sizes. Well-graded does not define any numerical value that must be placed on the coefficient of uniformity, coefficient of curvature, or other specific grain size distribution parameters. Well-graded is used to define a material type that, when compacted, produces a strong and relatively incompressible soil mass free from detrimental voids.
- D. Truck Measure: Unless defined otherwise under measurement and payment, the truck volume shall be determined by leveling off selected loads in the truck box after the material has been transported from the site of loading to the site of placement. The ENGINEER may call for such measurement at any time. The CONTRACTOR shall cooperate with the ENGINEER in the measurement, and they shall together determine and agree upon the volume of material in the truck box.
- E. Unclassified Excavation: The nature of materials to be encountered has not been identified or described herein.
- F. Imported Material: Material obtained by the CONTRACTOR from sources off the site.

1.03 SUBMITTALS

- A. Submittals shall be made in accordance with the Standard Specifications, Part 3, or as modified in the Special and Technical Specifications, Part 4.
- B. Provide the following submittals:

1. Certification test results, source, and samples for all imported and piping material.
2. Catalog and manufacturer's data sheets for compaction equipment.

1.04 IMPORTED MATERIAL ACCEPTANCE

A. All imported materials specified in this section are subject to the following requirements:

1. All tests necessary for the CONTRACTOR to locate an acceptable source of imported material shall be made by the CONTRACTOR. Certification that the material conforms to the Specification requirements along with copies of the test results from a qualified commercial testing laboratory shall be submitted to the ENGINEER for approval at least 5 days before the material is required for use. All material samples shall be furnished by the CONTRACTOR at the CONTRACTOR's sole expense. Samples shall be representative and be clearly marked to show the source of the material and the intended use on the project. Sampling of the material source shall be done by the CONTRACTOR in accordance with ASTM D75. Notify the ENGINEER at least 24 hours prior to sampling. The ENGINEER may, at the ENGINEER's option, observe the sampling procedures. Tentative acceptance of the material source shall be based on an inspection of the source by the ENGINEER and/or the certified test results submitted by the CONTRACTOR to the ENGINEER, at the ENGINEER's discretion. No imported materials shall be delivered to the site until the proposed source and materials tests have been tentatively accepted in writing by the ENGINEER. Final acceptance will be based on observations and/or tests made by the ENGINEER on samples of material taken from the completed and compacted course. The completed course is defined as a course or layer that is ready for the next layer or the next phase of construction.
3. If tests conducted by the CONTRACTOR or the ENGINEER indicate that the material does not meet Specification requirements, material placement will be terminated until corrective measures are taken. Material which does not conform to the Specification requirements and is placed in the work shall be removed and replaced at the CONTRACTOR's sole expense. Sampling and testing performed by the CONTRACTOR shall be done at the CONTRACTOR's sole expense.

1.05 GEOTEXTILE MATERIAL ACCEPTANCE

A. GENERAL

1. Quality Assurance Qualification: Subcontractors proposing to furnish geotextile fabric materials and performing under this section shall submit to the ENGINEER, in duplicate, a mill certificate or affidavit signed by a legally authorized official from the company manufacturing the fabric. The mill certificate or affidavit shall attest that the fabric meets the chemical, physical, and manufacturing requirements stated in this Specification. Subcontractors shall also submit to the ENGINEER, before commencing the work specified under this section, documented evidence of proven technical competence, past record of satisfactory performance on similar projects, and sufficient capacity to do the volume of work specified herein. Materials shall be the end products of one manufacturer in order to achieve standardization for appearance, maintenance, and replacement.

B. Submittals After Contract Award:

1. Before commencing the work specified under this section, the CONTRACTOR shall submit to the ENGINEER for approval all installation drawings, procedures, and a schedule for carrying out the work.
2. CONTRACTORS shall submit certification from the manufacturer that the product delivered to the project site will have property values equal to or greater than those specified. Certified property values shall be equal to the average value less 2 standard deviations.
3. CONTRACTORS shall submit an Erosion and Sediment control Plan (ESCP) for duration of construction activities (temporary only) according to State Standard Specifications, Section 00280, Erosion and Sediment Control. Submit a minimum 5 working days prior to beginning of scheduled installation.
4. CONTRACTORS shall submit manufacturer's information and specifications for approval of the compaction equipment to be used for the buttress and toe berm rock fill prior to mobilization of equipment to the site.

1.06 EXCAVATION SAFETY

- A. The CONTRACTOR shall be solely responsible for making all excavations in a safe manner according to OSHA and other governmental regulations. Provide

appropriate measures to retain excavation side slopes and to ensure that persons working in or near the excavation are protected.

1.07 CODES, ORDINANCES, AND STATUTES

- A. CONTRACTORS shall familiarize themselves with, and comply with, all applicable codes, ordinances, and statutes, and bear sole responsibility for the penalties imposed for noncompliance.

1.08 STATE STANDARD SPECIFICATIONS

- A. State Standard Specifications, when referenced in this section, shall mean Standard Specifications for Highway Construction, Oregon Department of Transportation, 1996. Parts of these State Standard Specifications that are specifically referenced shall become a part of this section as though stated herein in full. In case of a discrepancy between the requirements of the State Standard Specifications and the requirements stated herein, the requirements herein shall prevail.

1.09 AASHTO STANDARDS

- A. AASHTO Standards shall be the latest edition of American Association of State Highway and Transportation Officials, unless references clearly are taken from an earlier edition, in which case the earlier edition will be the standard.

1.10 TOLERANCES

- A. All material limits shall be constructed within a tolerance of 0.25 foot except where dimensions or grades are shown or specified as minimum. All grading shall be performed to maintain slopes and drainage as shown. No reverse slopes will be permitted.

PART 2 PRODUCTS

2.01 GENERAL

- A. Provide all labor, materials, and equipment necessary to accomplish the work specified in this section.

2.02 UNCLASSIFIED EXCAVATION

- A. Excavation is unclassified. Complete all excavation regardless of the type, nature, or condition of the material encountered. Make own estimate of the kind of the various materials to be excavated in order to accomplish the work.

2.03 SELECT EARTHFILL

- A. Excavated material free from roots, organic matter, trash, debris, rocks larger than 3 inches, and other deleterious materials.

2.04 NON WOVEN GEOTEXTILE FABRIC

- A. The non-woven geotextile fabric shall be according to the State Standard Specifications for Drainage Geotextile Type 2, Section 02320, the following additions. The additional requirements are: 1) the geotextile shall be needle-punched, and 2) the permittivity shall be a minimum value of 1.0.

2.05 SECURING PINS/STAPLES

- A. Securing pins/stapes for anchoring the geotextile fabric shall be as recommended by the geotextile manufacture.

2.06 DELIVERY, STORAGE, AND HANDLING OF GEOTEXTILE MATERIALS

- A. Geotextile materials delivered to site shall be inspected for damage, unloaded, and stored with the minimum of handling. Materials shall not be stored directly on the ground. During shipment and storage, filter cloth shall be furnished with a suitable wrapping for protection against moisture and extended ultraviolet exposure prior to placement. Rolls shall be stored in a manner which protects them from the elements. If stored outdoors, they shall be elevated and protected with a waterproof cover. Materials shall be handled in such manner as to ensure delivery to the site in sound, undamaged condition.
- B. CONTRACTOR shall furnish certified test reports with each shipment of material attesting that the fabric meets the requirement of this Specification. Each roll shall be labeled or tagged to provide product identification sufficient for inventory and quality control proposes.

2.07 BUTTRESS ROCK FILL

- A. Buttress Rock Fill shall be clean, angular, durable, shot rock consisting of a jaw run with particle sizes 2 to 6 inches or a pit run with particle sizes between 2 to 9 inches. Durability, soundness, and angularity shall be according to the State

Standard Specifications for Loose Riprap, Section 02330. The material shall contain less than 3 percent by weight passing the U.S. Standard 200 sieve. If required for confirmation of percentage of fines by weight, testing for fines shall be by washing according to ASTM test methods.

2.08 TOE BERM ROCK FILL

- A. Shall be as specified for Buttress Rock Fill.

2.09 DRAINAGE ROCK

- A. Drainage Rock shall be crushed rock, $\frac{1}{2}$ to $\frac{3}{4}$ -inch, according to the State Standard Specifications for PCC Coarse Aggregate for Pavement, Section 02690.20.

2.10 PERFORATED SUBDRAIN AND DRAINAGE TRENCH PIPE (SLOTTED)

- A. Pipe shall consist of high density polyethylene (HDPE) corrugated pipe with an integrally formed smooth interior. The pipe shall be slotted and conform to AASHTO M252.
- B. All fittings and couplings shall conform to M294 and be soil tight.
- C. Pipe and fittings shall be manufactured from HDPE resin which shall meet or exceed the requirements of ASTM D3350, cell class 324420 (min.), except that carbon black content shall not exceed 5 percent.
- D. Preapproved pipe and fittings shall be N-12 Pipe and Series 85 fittings as manufactured by Advanced Drainage Systems, Inc., (ADS) Washougal, WA. (800) 733-8523.

2.11 SOLID SUBDRAIN EXIT, DRAINAGE TRENCH, AND CULVERT PIPE (NON-PERFORATED)

- A. In areas designated for solid (non-perforated) pipe and fittings shall consist of high density polyethylene (HDPE) corrugated pipe with an integrally formed smooth interior. The pipe shall conform to AASHTO M252, Type S or AASHTO M294, Type S.
- B. Solid (non-perforated) pipe and fillings shall be joined by double bell watertight joints which meet requirements of ASTM F1336, except that inside dimensions of the bells shall match the outside dimensions of the pipe.

- C. Preapproved pipe and fittings shall be N-12 Pipe and Series 35 fittings as manufactured by Advanced Drainage Systems, Inc., (ADS) Washougal, WA. (800) 733-8523.

2.12 RIPRAP

- A. The riprap shall be Class 100 according to the State Standard Specifications for Loose Riprap, Section 02330.

2.13 COMPACTION EQUIPMENT

- A. Compaction equipment for rock fill compaction shall be a self-propelled, heavy-duty vibratory tamping roller, or other type roller specifically designed for compaction of rock fill by the manufacturer. The static weight of the roller shall be at least 18,000 pounds. The dynamic force shall be at least 39,000 pounds. Equipment shall be capable of operation in the static or dynamic mode.

PART 3 EXECUTION

3.01 INSTALLATION OF ESCP

- A. Install ESCP prior to beginning Clearing, Grubbing, and Stripping. Maintain system throughout the construction activities according to appropriate requirements of the State Standard Specifications, Section 00280.

3.02 CLEARING, GRUBBING, AND STRIPPING

- A. Conform to Section 02100, Clearing, Grubbing, and Stripping.

3.03 EXCAVATION AND DISPOSAL LANDSLIDE DEBRIS

- A. Excavation is unclassified. Excavate to the lines and grades shown or as required by the ENGINEER to accomplish the construction. Perform all excavation regardless of the type, nature, or condition of the material encountered. Concrete rubble and other construction debris should be expected in excavation. The method of excavation used is optional.
- B. For the shear key and trench excavations, the CONTRACTOR shall design and provide shoring systems as necessary and required.
- C. During excavation segregate material for disposal on the Smurfit Plant site. Details of the grading requirements shall be provided by the ENGINEER and on-site Smurfit construction representative. Plant roadways to haul material are generally shown on the Drawings; however, the Smurfit site representatives will approve the exact haul route to be used during the work hours,

- D. Soil and small inert debris particles less than 3 inches in size shall hauled and placed in the Landfill Cap area, spread and graded to fill in low areas and provide additional soil cap thickness and enhance drainage of the top of the landfill area. Lift size shall be 8-inches thick and compacted by tracking in with at least one complete and overlapping coverage using a dozer equivalent in size to a Caterpillar D6.
- E. Rubble and inert particles larger than 3 inches shall be hauled and placed in the Sound Berm area as part of the berm's center or core area. Soil shall be mixed in with the rubble and particles to create a matrix without void areas. Lift size shall be approximately 12 to 18 inches thick and compacted by tracking in with at least one complete and overlapping coverage using a dozer equivalent in size to a Caterpillar D6.

3.04 LIMITS OF EXCAVATION

- A. Excavate to the depths and widths, as shown. In the buttress area, the depth of the shear key is estimated based on the purpose of excavating through the slide debris into the pre-slide material. Do not carry excavation for the buttress deeper than the elevations shown, unless directed by the ENGINEER. In trenches, allow for working space, backfill materials as shown or required. Cuts below grade shall be corrected by creating a smooth transition to permit water to flow to the low point in the key and trenches.
- B. In the shear key area, excavate the slide debris and perform the backfill in phases by not having unbackfilled more than 30 lineal feet along the key trench at a time. failures caused by the CONTRACTORS's over excavation shall be corrected at the CONTRACTOR's sole expense.

3.05 REMOVAL OF WATER

- A. Provide and operate equipment adequate to keep all excavations and trenches free of water. Remove or divert water during construction of the shear key and trench excavation, placement of geotextile, pipe laying, and backfill placement.

3.06 SHEAR KEY PREPARATION FOR GEOTEXTILE

- A. The approximate elevations of the bottom of the shear key, toe berm area over excavation, and subdrain trench are shown. Trim surfaces above grade to the neat line. Place no geotextile material until excavation surfaces have been reviewed by the ENGINEER.

3.07 PLACING GEOTEXTILE

- A. The geotextile fabric shall be placed in the manner and at the location shown in the Drawings or as directed by the ENGINEER. At the time of installation, fabric shall be rejected if it has defects, ribs, holes, flaws, deterioration, or damage incurred during manufacture, transportation, storage, or placement. Visual review of the fabric shall be performed once the fabric has been placed and prior to placement of any overlying materials.
- B. The fabric shall be placed with the machine direction (long dimension) down slope or normal to the natural slope, unless otherwise directed by the ENGINEER, and shall be overlapped at all joints and seams a minimum of 18 inches. Overlap joints and seams shall be measured as a single layer of cloth.
- C. Securing pins with washers or staples shall be inserted through both strips of overlapped cloth at not greater than the following intervals along a line through the midpoint of the overlap:

Pin Spacing	Slope
2 feet	Steeper than 3:1
3 feet	3:1 to 4:1
5 feet	Flatter than 4:1

Additional pins regardless of location shall be installed as necessary to prevent any slippage of the filter fabric. Each securing pin shall be pushed through the fabric until the washer bears against the fabric and secures it firmly to the foundation.

- D. Bags of soil or other methods approved by the ENGINEER shall be used to secure the geotextile during installation.
- E. The fabric shall be protected at all times during construction from contamination by surface runoff and any fabric so contaminated shall be removed and replaced with uncontaminated fabric.
- F. Should the fabric be damaged during any step of the installation, the torn or punctured section shall be repaired by placing a piece of fabric which extends at least 18 inches in all directions beyond the damaged area. The fabric shall be sewn, secured with pins and washers as described above, or other methods as approved by the ENGINEER.

3.08 INSTALLATION OF SUBDRAIN, DRAINAGE, AND CULVERT PIPE

- A. Connect the pipe with specified fittings, including end plugs, according to manufacture's recommendations and inspect all pipe and fittings before lowering into the prepared trench to ensure that no defective or damaged pipe or fittings exist. Place pipe at locations and as shown on the Drawings. Lower pipe in such a manner that pipe is not damaged, no not drop pipe.
- B. Obtain Engineer's approval of the pipe installation prior to backfilling. Place backfill material over pipe as specified or shown on the Drawings. Place backfill material simultaneously on both sides of the pipe and a lift over the pipe in 8-inch layers. Work material around the lower part of the pipe to ensure solid backing to the underside of the pipe. Place subsequent lifts for full width of the trench in maximum 12-inch thickness and tamp with hand-operated equipment or with the backhoe bucket to provide a uniform density to the material. A specific compaction value is not required.

3.09 PLACING BUTTRESS ROCK FILL

- A. Place Buttress Rock Fill to the lines and grades shown. Place to avoid segregation of particles and in lifts not exceeding 15 inches in loose thickness. Compaction shall be accomplished by making sufficient trips on each lift surface to obtain at least one complete and overlapping coverage using the specified compaction equipment. No specific compaction values will be required.

3.10 PLACING TOE BERM ROCK FILL

- A. Shall be as specified for Buttress Rock Fill.

3.11 PLACING RIPRAP

- A. Place riprap at locations and depths as shown. Intermix the sizes of riprap material to provide uniform gradation between small and large material. Construction practice shall be in conformance with Section 620 of the State Standard Specifications and the Drawings.

3.12 SELECT EARTH TRENCH CAPPING

- A. Use earthfill materials from the excavation specified herein before in Paragraph SELECT EARTHFILL in trench locations shown. Place material free from roots, organic material, trash, and stones in excess of 3-inch diameter. CONTRACTOR shall deposit fill material in lifts not exceeding 12-inch depth across full width of trench area. Compact each lift by tamping in with excavator bucket. No specific compaction value is required. Mound fill 6-inches over trench to allow for future settlement.

3.13 FINAL GRADING OF RESHAPED CUT SLOPE

- A. For the cut slope to receive slope protection material, after the excavation has been completed and approved, compact the surface prior to placement of Slope Protection Material. Compaction shall be by tracking entire surface with complete and overlapping coverages using a dozer equivalent in size to a Caterpillar D4 and equipped with long grousers. The direction of the tracking shall be up and down slope or an angle not exceeding 30 degrees normal to the slope direction.

3.14 ACCESS ROADWAY REPAIR OR RESTORATION

- A. Repair any damage caused to Water Treatment Plant and Smurfit roadways. Access road to toe of buttress shall be left in place. Grade access roadway surface and shape slopes to minimize future erosion. If access road is constructed over Smurfit's wood stave pipe, remove temporary crossing features, and restore area adjacent to lagoon roadway. If vegetation surface has been removed or rutted, restore surface by regrading and placing Slope Protection Materials or by placing and compacting a 6-inch layer of Drainage Rock.

PART 4 MEASUREMENT AND PAYMENT

4.01 GENERAL

- A. Payment for work in this section, exclusive of unclassified excavation, geotextile, buttress rock fill, toe berm rock fill, drainage rock, and slope protection material will be included as part of the lump sum bid.

4.02 UNCLASSIFIED EXCAVATION AND DISPOSAL

- A. Measurement for unclassified excavation, hauling, and disposal, including placement, compaction, and grading shall be based on the cubic yard determined by truck measure as determined by the Engineer.
- B. Payment for unclassified excavation and disposal shall be based on the unit price per cubic yard as stated in the CONTRACTOR's Proposal, and the number of cubic yards satisfactorily excavated, hauled, and placed at the site disposal areas, as shown and/or specified. Payment shall constitute full compensation for the work as specified herein.
- C. Quantities for payment purposes shall be by trip tickets signed by the ENGINEER and collected for each days work.

4.03 GEOTEXTILE UNDER ROCK FILL

- A. Measurement for Geotextile in place shall be by the square yard for the surface covered. Measurement of areas shall be by cloth taping methods.
- B. Payment for Geotextile shall be based on the surface area covered at the unit price per square yard stated in the CONTRACTOR's Proposal, and the number of square yards covered with geotextile satisfactorily placed within the limits of work, as shown and/or specified. Payment shall constitute full compensation for the work as specified herein.

4.04 BUTTRESS ROCK FILL

- A. Measurement for Buttress Rock Fill shall be by the ton measured in the hauling vehicle. If the approved material is hauled from a site and along a route not containing a certified scale, as confirmed by the ENGINEER, the production measurement will be based on the cubic yards by truck measure. The conversion from tons to cubic yards truck measure shall be determined by field methods approved by the ENGINEER and using volume measurements from production loading and hauling equipment, and with travel to a certified scale for weighing of trucks for net payload. A minimum of five (5) representative truck loads of material will be measured and a mean average of the individual loads will be calculated to establish the production conversion factor from tons to cubic yards.
- B. Payment for Buttress Rock Fill will be based on the unit price per ton stated in the CONTRACTOR's Proposal, and the number of tons satisfactorily placed within the limits of work, as shown and/or specified. Payment shall constitute full compensation for the work as specified herein. If the conversion described under paragraph A is approved, the unit price shall be based on the calculated production conversion factor.
- C. Quantities for payment purposes shall be by weight tickets or trip tickets signed by the ENGINEER for each days work.

4.04 TOE BERM ROCK FILL

- A. Measurement shall be as specified for Buttress Rock Fill.
- B. Payment shall be as specified for Buttress Rock Fill.
- C. Quantities for payment purposes shall be by weigh tickets or trip tickets signed by the ENGINEER for each days work.

4.05 DRAINAGE ROCK

- A. Measurement for Drainage Rock shall be by the ton measured in the hauling vehicle.
- B. Payment for Drainage Rock shall be based on the unit price per ton stated in the CONTRACTOR's Proposal, and the number of tons satisfactorily placed within the limits of work, as shown. Payment shall constitute full compensation for the work as specified herein.
- C. Quantities for payment purposes shall be weigh tickets signed by the ENGINEER for each days work.

END OF SECTION

SECTION 02900
SLOPE PROTECTION MATERIAL

PART 1 GENERAL

1.01 WORK INCLUDED

- A. This section covers the work necessary to install the Slope Protection Material consisting of sediment barriers, soil amendment, fertilizer, grass seed, straw mulch, and erosion control netting.

1.02 SEQUENCING AND SCHEDULING

- A. Within 3 working days of reshaping final grading acceptance, complete the placement of the Sediment Barriers. Complete work under this section within 7 days following completion acceptance of slope grading, unless otherwise directed by the ENGINEER.
- B. Notify ENGINEER at least 2 days in advance of start of material placement and 24 hours prior to the mixing of the hydroseeded materials.

1.03 SUBMITTALS

- A. Quality Control Submittals:
 - 1. Grass Seed: Submit the name, address, and phone number of the supplier of seed. Also submit the certification of seed analysis, germination rate, and proof of order.
 - a. Certify that each lot of seed has been tested by a testing laboratory certified in seed testing, within 6 months of date of delivery. Include with certification:
 - 1) Name and address of laboratory.
 - 2) Date of test.
 - 3) Lot number for each seed specified.
 - 4) Test results: (i) name, (ii) percentages of purity and of germination, and (iii) weed content for each kind of seed furnished.
 - b. Mixtures: Proportions of each kind of seed.
 - 2. Grass Straw Mulch: Submit the name, address, and phone number of the supplier of the straw. Submit verification from the supplier that the straw is free of noxious weeds. Acceptable documentation submitted shall show either: (1) that the straw is from an "Oregon Certified Seed" field, or (2) the seed lab test results of the seed harvested from the straw.

1.04 DELIVERY, STORAGE, AND PROTECTION

A. Grass Seed:

1. Furnish in standard containers with seed name, lot number, net weight, percentages of purity, germination, and hard seed and maximum weed seed content, clearly marked for each container of seed.
2. Keep dry during storage.

B. Hydroseeding Mulch: Mark package of wood fiber mulch to show air dry weight.

1.05 WEATHER RESTRICTIONS

A. Perform work under favorable weather conditions.

PART 2 PRODUCTS

2.01 SEDIMENT BARRIER

- ##### A.
- The sediment barrier to perform as surface runoff velocity reducers shall be rice straw wattles, consisting of a minimum 8-inch diameter bundle of straw wrapped in biodegradable netting. Supplied lengths of the individual bundles shall be at least 12 feet long and when butted together creates the continuous biodegradable barrier. The pre-approved barrier shall be rice straw wattles, supplied by Hobbs and Hopkins, Ltd., 1712 S.E. Ankeny, Portland, Oregon, (503) 239-7518.

2.02 SOIL AMENDMENTS

- ##### A.
- OWNER supplied compost referred to as "Newgrow" created at the Newberg Wastewater Plant on Wynooski Road. This is a combination of processed sludge and sawdust resulting in an enriched soil and fine sawdust mixture. Maximum particle size typically is between ¼- to ½ -inch. Additional information on material can be obtained by calling the plant manager at (503) 538-9671.

2.03 FERTILIZER

- ##### A.
- Fertilizer shall be of standard commercial manufacture and grade 3 and be furnished in standard, unopened, moisture-proof containers in a dry condition. The fertilizer shall be polycoated, inorganic 17-10-10 which shall analyze at 17 percent nitrogen, 10 percent available phosphoric acid, and 10 percent soluble potash, and include a minimum 2 percent sulphur. The fertilizer shall contain not less than 50 percent available water-insoluble (slow release) nitrogen.
- ##### B.
- The application rate shall be 300 pounds per acre per application.

- C. Preapproved fertilizer shall be KG 120 (17-10-10) supplied by Hobbs and Hopkins, Ltd., 1712 S.E. Ankeny, Portland, Oregon, (503) 239-7518.

2.04 GRASS SEED MIXTURE

- A. Fresh, clean new-crop seed that complies with the tolerance for purity and germination established by Official Seed Analysts of North America. Tests in accordance with Oregon Laws and Department of Agriculture regulations shall have been performed within 9 months of the delivery date and the seed shall not be moldy or show evidence of having been wet or otherwise damaged. All seed shall be delivered in standard, sealed containers labeled with the variety and percentages of seed and date of test.
- B. Seed, as a mixture, shall be applied at the following hydroseeding application percentages by weight and applied to the surface at the minimum rate of 200 pounds per acre.

Seed Species Percentages(by weight):

Essence (PR 8820) Perennial Ryegrass	50 %
Cindy Creeping Red Fescue	20 %
Quatro Sheep Fescue	20 %
Cobra Creeping Bentgrass	10 %

- C. No annual seed varieties shall be a part of the seed mixture.
- D. Preapproved seed mixture shall be a modified Pro-Time 700 Low Profile supplied by Hobbs and Hopkins, Ltd., 1712 S.E. Ankeny, Portland, Oregon, (503) 239-7518.

2.05 HYDROSEEDING MULCH

- A. Wood Cellulose Fiber Mulch:
1. Specially processed wood fiber containing no growth or germination inhibiting factors.
 2. Dyed a suitable color to facilitate inspection of material placement.
 3. Manufactured such that after addition and agitation in slurry tanks with water, the material fibers will become uniformly suspended to form a homogeneous slurry.
 4. When hydraulically sprayed on ground, material will allow absorption and percolation of moisture.

- B. The application of mulch only after seeding shall be at the rate of 1,000 pounds dry weight per acre, and applied within 48 hours after the application of seed and fertilizer.

2.06 TACKIFIER

- A. J-tac, an active hydrocolloid, manufactured by the Reclamare Company, DesMoines, WA, (206) 824-2385 or approved equal.
- B. Shall be used with fertilizer, seed and mulch tracer, at a tackifier application rate of 40 pounds per acre.

2.07 GRASS STRAW MULCH

- A. Straw shall be grass straw from bentgrass, bluegrass, fescue, or ryegrass, singly or in combination. The straw shall not be moldy, caked, decayed or of otherwise low quality. Straw is for non-hydroseeding applications. The straw shall be free of noxious weeds and supplied from an "Oregon Certified Seed" field, or (2) the seed lab test results of the seed harvested from the straw.
- B. Application rate shall be 4,000 pounds per acre.

2.08 EROSION CONTROL NETTING AND STAPLES

- A. Erosion control netting shall be placed over the straw mulch. Netting shall consist of a wood cellulose leno type woven netting with serged edges and a grid dimension of not less than ½-inch by ¾-inch and not more than 1-inch by ½-inch. The wood cellulose twine shall be a minimum of 28-pound paper twisted 5 times per inch. The matting width shall be 144 inches plus or minus 2 inches and shall have an average weight of 2.4 ounces per square yard.
- B. Metal staples to hold the erosion control netting to the ground line shall be of minimum 11-gauge mild steel wire, 7-shaped with a minimum length of 6 inches from the bend on the long leg and a minimum of 2 inches from the bend on the short leg.
- C. Netting shall be biodegradable.
- D. Pre-approved netting shall be OR-NET erosion netting, supplied by Hobbs and Hopkins, Ltd., 1712 S.E. Ankeny, Portland, Oregon (503) 239-7518.

PART 3 EXECUTION

3.01 PLACING SEDIMENT BARRIER

- A. The barrier shall be placed directly on the final graded soil surface prior to the placement of other slope protection materials.
- B. The continuous sediment barrier shall be placed in rows for the entire width of the cut area. The first row shall be placed approximately parallel to the crest of the slope and 10 feet down from the top of the slope and traverse the entire width of the reshaped area. Subsequent parallel rows shall be at 20 feet spacings measured in the down slope direction. Based on the estimated slope length, it is anticipated that between 3 to 4 rows of sediment barriers will be needed.
- C. The barrier shall be installed according to the manufacture recommendations, which includes securing the barrier in the surface notches with metal stakes every 3 to 4 feet with an additional stake placed at every butt joint of the barrier.
- D. The barrier shall be left in place.

3.02 SOIL AMENDMENTS

- A. After placement of the sediment barriers, apply compost to entire surface to be seeded by blowing material into place. The application shall be separate from the hydroseeding application. Thickness on the ground surface shall be between 0.25 to 0.75 inch. .

3.03 FERTILIZER

- A. Apply evenly over area in accordance with manufacturer's instructions at the minimum rate per acre as specified.

3.04 SEEDING

- A. Apply seeding and mulch directly over the thin compost layer. All disturbed areas shall receive seeding and mulch.
- B. Keep all empty seed containers used in the hydroseed mixture for observation by the ENGINEER. Apply the minimum rate per acre as specified.
- C. Hydroseeding:
 - 1. Apply on moist soil, only after free surface water has drained away.
 - 2. Upon application, allow absorption and percolation of moisture into ground.

3. Mixtures: Seed and fertilizer may be mixed together, apply within 30 minutes of mixing to prevent fertilizer from burning seed.

3.05 GRASS STRAW MULCH

- A. Straw shall be placed after the fertilizer and hydroseeding has been completed.
- B. Apply straw thickness between 2 to 3 inches. Cover all seeded areas and do not allow excessive thickness or bunching of material.

3.06 EROSION CONTROL NETTING INSTALLATION

- A. Netting shall be placed over the straw to hold it into place.
- B. Obtain ENGINEER's approval prior to placement of netting.
- C. The netting shall be anchored at the top of all slopes using a 6-inch deep by 6-inch wide trench into which the netting is laid and the trench is then backfilled with native soils. Pin the netting through the straw layer into the ground surface with minimum 6-inch long wire staples at 4-foot intervals along edges of netting and 4-foot intervals along the 1/3 points of the netting width. Place the 12-foot wide netting strips perpendicular to the slope. All joints and seams shall be overlapped 6 inches and pinned using metal staples at 4-foot centers along seam.

PART 4 MEASUREMENT AND PAYMENT

4.01 SLOPE PROTECTION MATERIAL

- A. Measurement for the placement of the Slope Protection Materials shall be by the square yard for the surface covered. Measurement of areas shall be by cloth taping methods.
- B. Payment for Slope Protection Material shall be based on the surface area covered at the unit price per square yard stated in the CONTRACTOR's Proposal, and the number of square yards covered with the system satisfactorily placed within the limits of work, as shown and/or specified. Payment shall constitute full compensation for the work as specified herein.

END OF SECTION

PART 5

DRAWINGS

LIST OF DRAWINGS

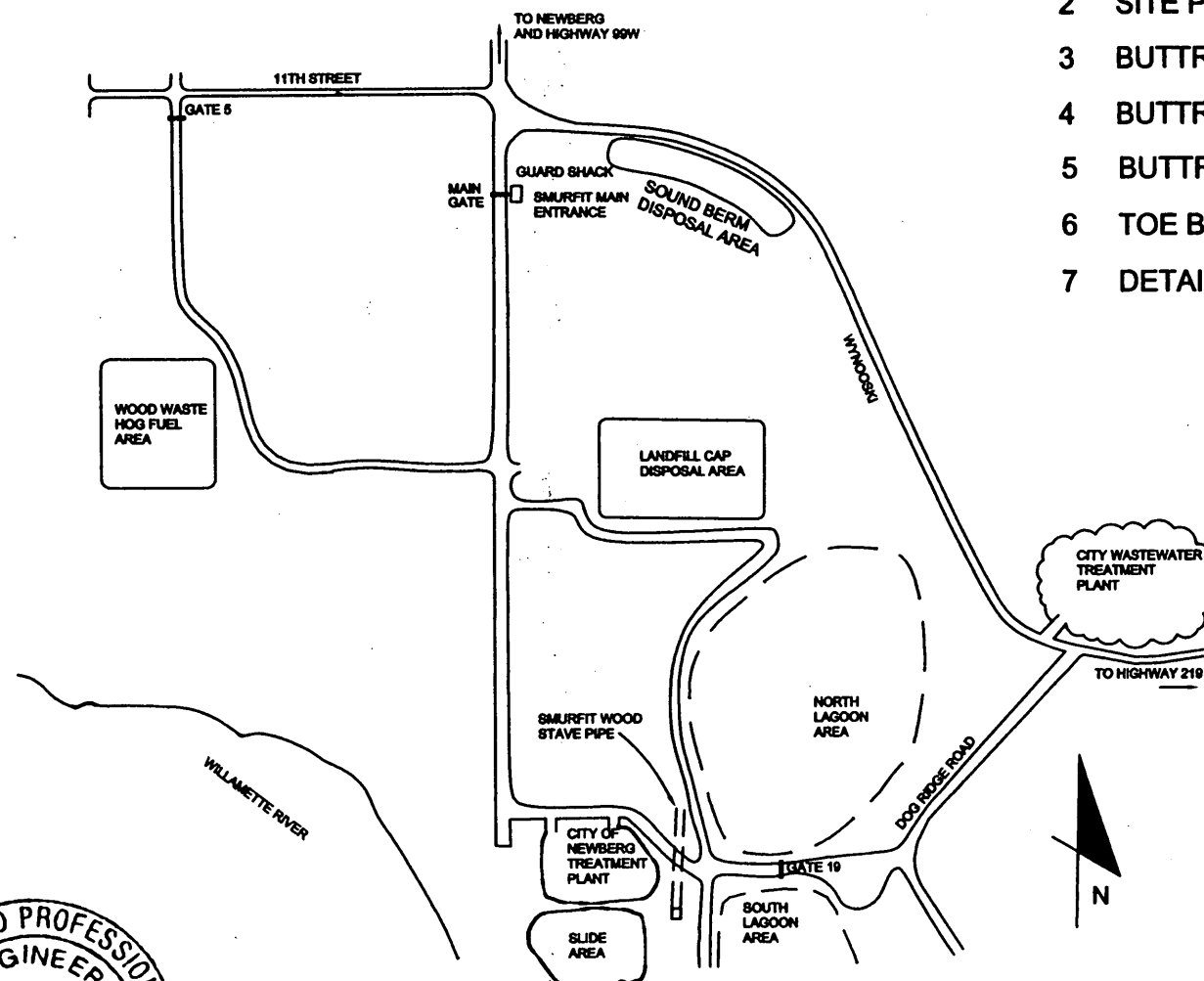
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1	Vicinity Maps and Drawing Sheet Index
2	Site Plan
3	Buttress Plan
4	Buttress Section
5	Buttress Sections
6	Toe Berm Sections
7	Details

WATER TREATMENT PLANT BLUFF LANDSLIDE REPAIR

CITY OF NEWBERG, OREGON

LIST OF DRAWINGS

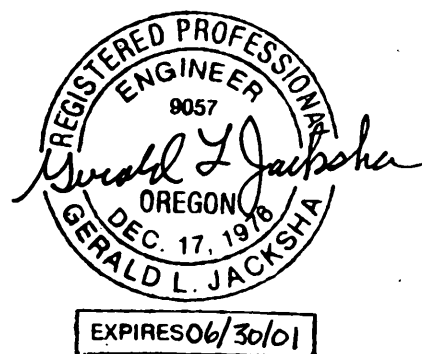
- 1 COVER SHEET
- 2 SITE PLAN
- 3 BUTTRESS PLAN
- 4 BUTTRESS SECTIONS
- 5 BUTTRESS SECTION
- 6 TOE BERM SECTIONS
- 7 DETAILS



SMURFIT PLANT AREA ROAD MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE



SQUIER ASSOCIATES
4260 Galewood Street
Lake Oswego, Oregon 97035
503-635-4419

DESIGNED BY *RP*
DRAWN BY *WUC*
CHECKED BY *RP*
APPROVED BY *RP*

Water Treatment Plant Bluff
Landslide Repair

City of Newberg, Oregon

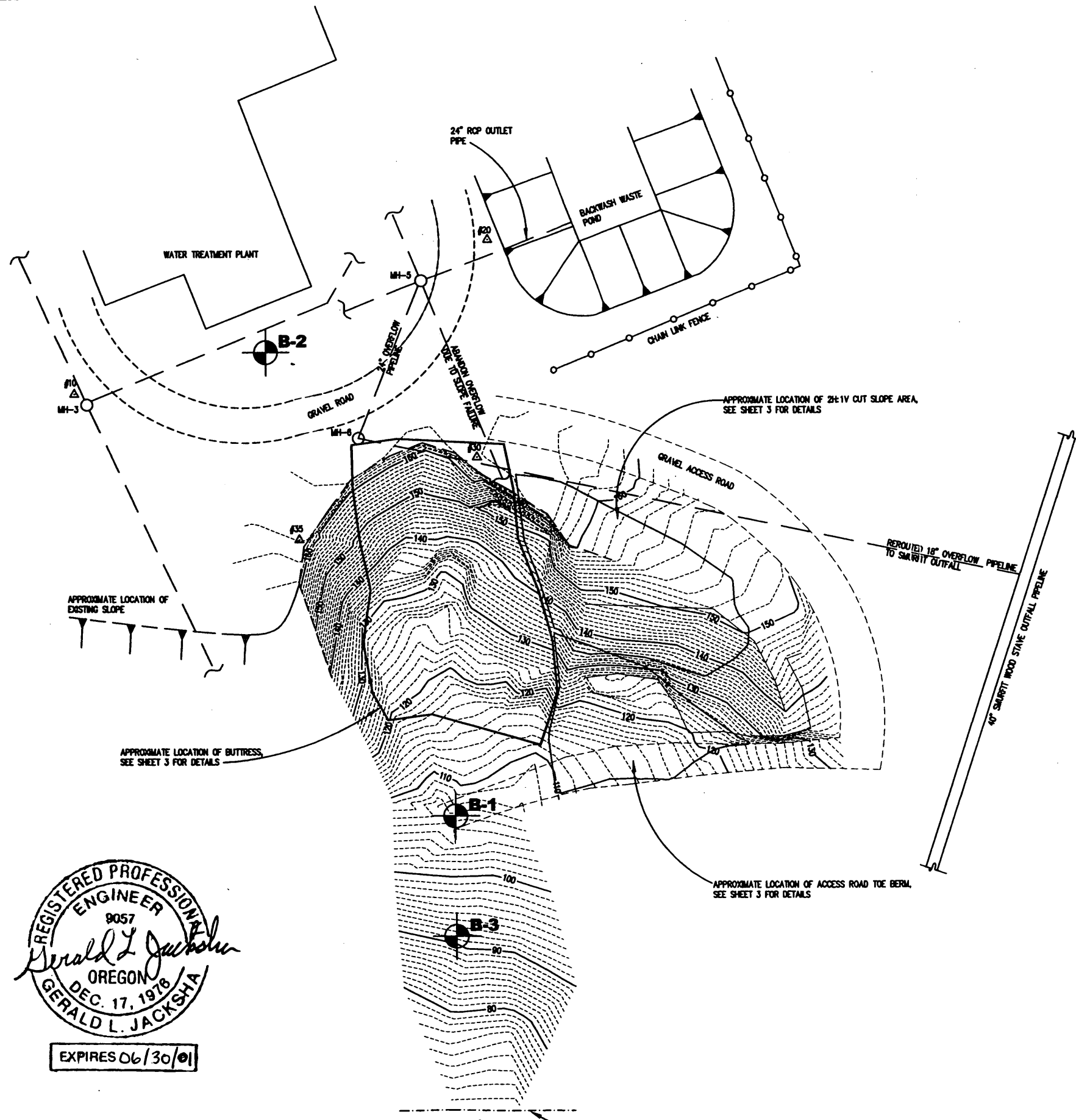
COVER SHEET

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BY	NO.	DATE	REVISIONS	COMMENTS

Project Number: 90448.3
File Name: Pch
CAD: COVER.DWG

Drawing
1
of 7
Date: January 1999



NOTES:

- HORIZONTAL COORDINATES ARE BASED ON A SITE ASSUMED DATUM WITH A MAGNETIC BEARING FOR DIRECTION. SURVEY CONTROL POINT #30 WAS 10,000.00 (NORTHING) AND 5,000.00 (EAST).
- VERTICAL DATUM IS BASED ON CITY OF NEWBERG BENCH MARK #118. THE ELEVATION PER CITY OF NEWBERG IS 166.25' BASED ON USGS 29(47). THE MARK IS A BRASS DISK STAMPED "CITY OF NEWBERG, 118, 1984", IN THE TOP OF CURB AT THE NW CORNER OF CONTROL BUILDING.
- SURVEY AND MAPPING DATA BY CRANE & MERSETH ENGINEERING/SURVEYING, MILWAUKIE, OREGON.

SURVEY CONTROL POINTS:

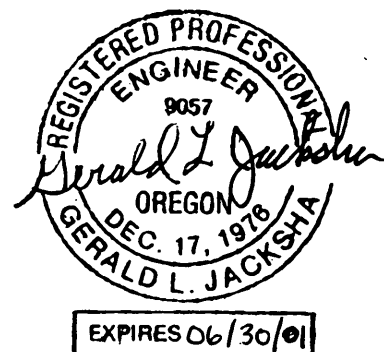
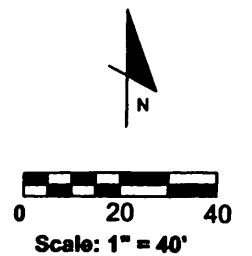
PT #	NORTHING	EASTING	ELEV.	DESCRIPTION
10	10022.12	4862.64	164.55	1/2" IRON ROD W/RPC "C & M CONTROL"
20	10074.48	5003.90	165.79	1/2" IRON ROD W/RPC "C & M CONTROL"
30	10000.00	5000.00	164.05	2" x 2" HUB & TACK
35	9971.95	4939.16	163.11	2" x 2" HUB & TACK

LEGEND:

#10	SURVEY CONTROL POINT
MH-5	MANHOLE
	FENCE
	MAJOR CONTOUR 10'
	MINOR CONTOUR 2'
	EDGE GRAVEL ROAD
	EDGE OF ASPHALT



BORINGS BY SQUIER ASSOCIATES PRESENTED IN THE REPORT, "GEOTECHNICAL INVESTIGATION AND FINDINGS REPORT", DATED JUNE 24, 1999



SQUIER ASSOCIATES
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Lake Oswego, Oregon 97035
503-635-4419

DESIGNED BY *RP*
DRAWN BY *WUC*
CHECKED BY *RP*
APPROVED BY *RP*

Water Treatment Plant Bluff
Landslide Repair

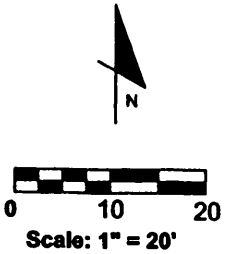
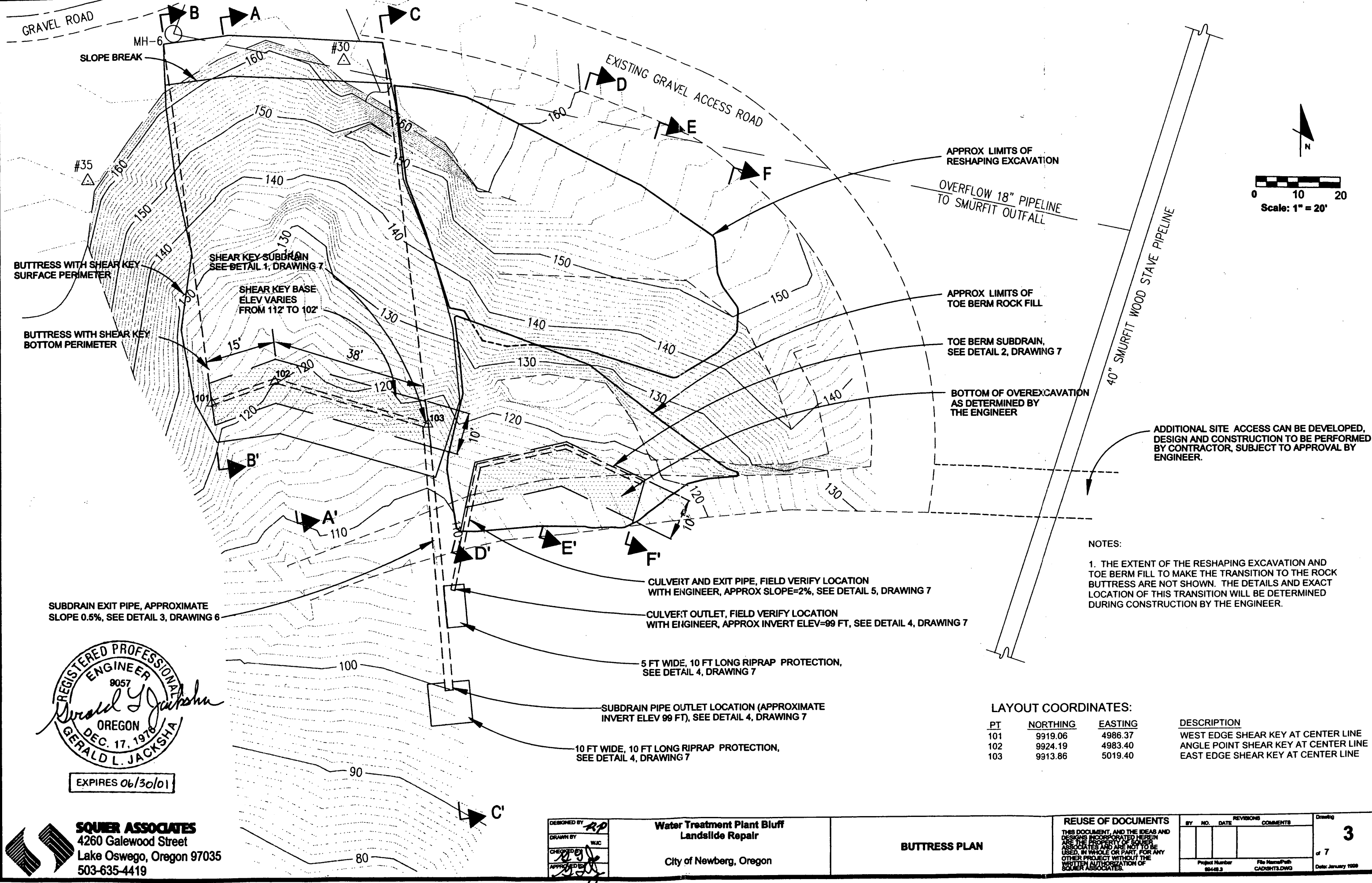
City of Newberg, Oregon

SITE PLAN

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BY	NO.	DATE	REVISIONS	COMMENTS

Drawing
2
of 7
Date: January 1999



NOTES:

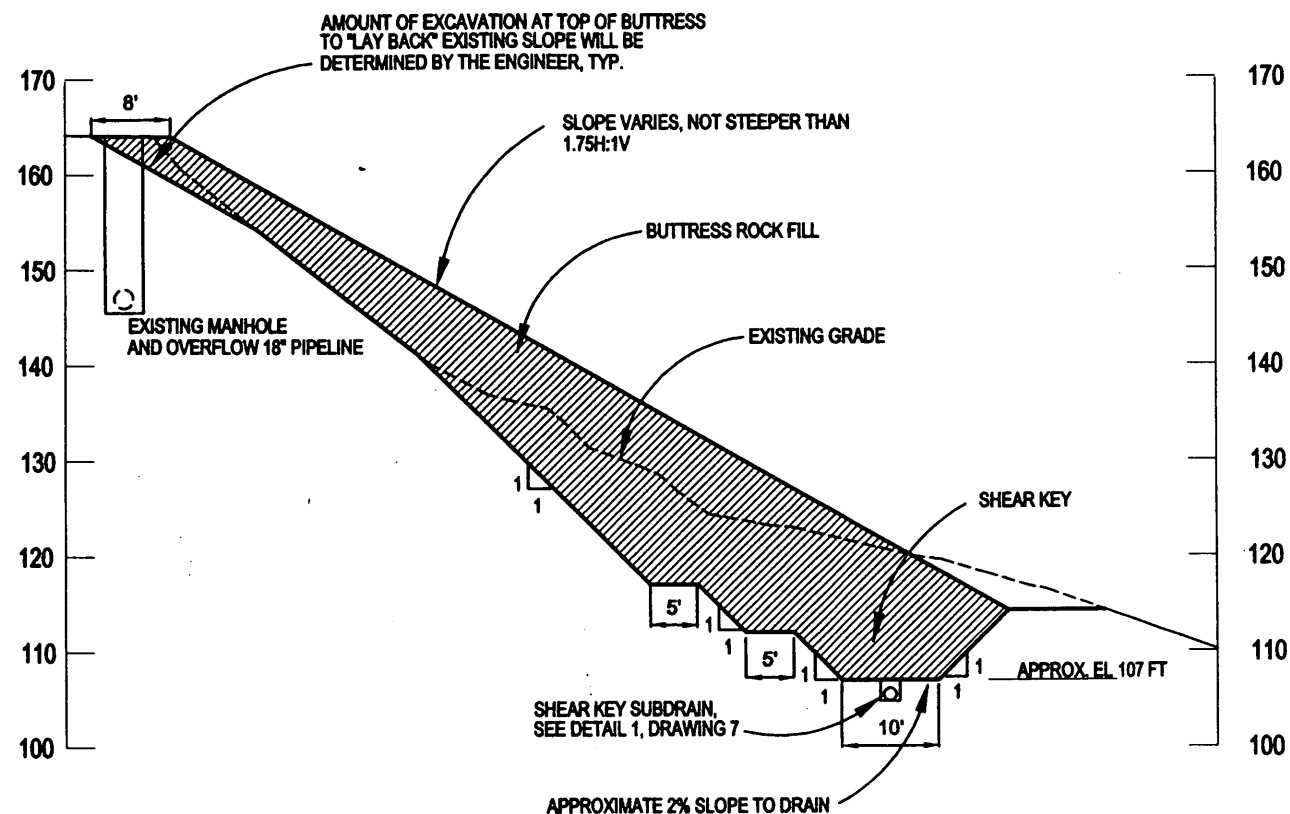
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LAYOUT COORDINATES:			DESCRIPTION
PT	NORTHING	EASTING	
101	9919.06	4986.37	WEST EDGE SHEAR KEY AT CENTER LINE
102	9924.19	4983.40	ANGLE POINT SHEAR KEY AT CENTER LINE
103	9913.86	5019.40	EAST EDGE SHEAR KEY AT CENTER LINE

REGISTERED PROFESSIONAL ENGINEER
9057
Gerald L. Jacksha
OREGON
DEC. 17, 1978
GERALD L. JACKSHA
EXPIRES 06/30/01

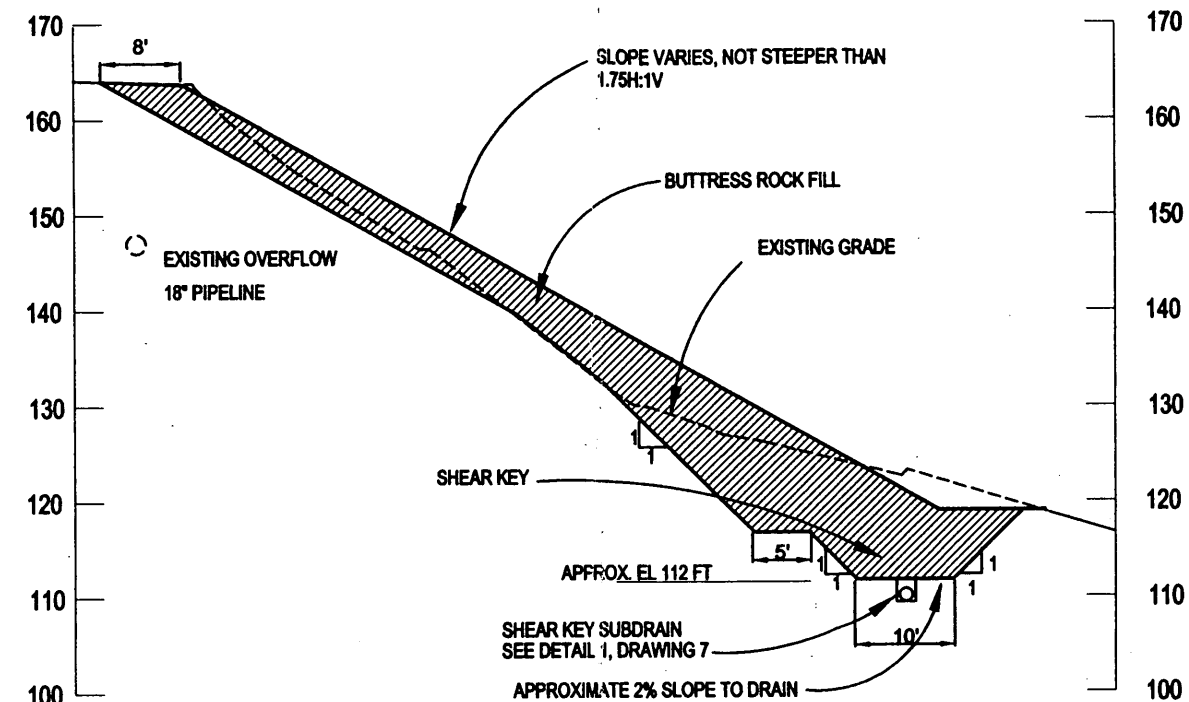
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503-635-4419

DESIGNED BY <i>RP</i>	Water Treatment Plant Bluff Landslide Repair City of Newberg, Oregon	BUTTRESS PLAN	REUSE OF DOCUMENTS THIS DOCUMENT, AND THE IDEAS AND DESIGNS INCORPORATED HEREIN ARE THE PROPERTY OF SQUIER ASSOCIATES AND ARE NOT TO BE USED, IN WHOLE OR PART, FOR ANY OTHER PROJECT WITHOUT THE WRITTEN AUTHORIZATION OF SQUIER ASSOCIATES.	BY	NO.	DATE	REVISIONS	COMMENTS	Drawing 3 of 7 Date: January 1999
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CHECKED BY <i>[Signature]</i>									
APPROVED BY <i>[Signature]</i>									
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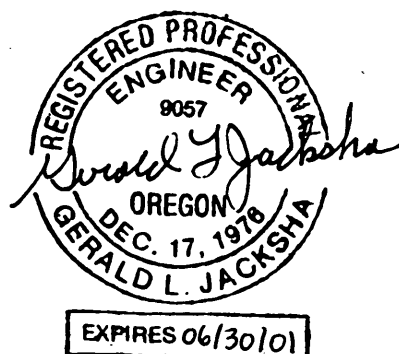
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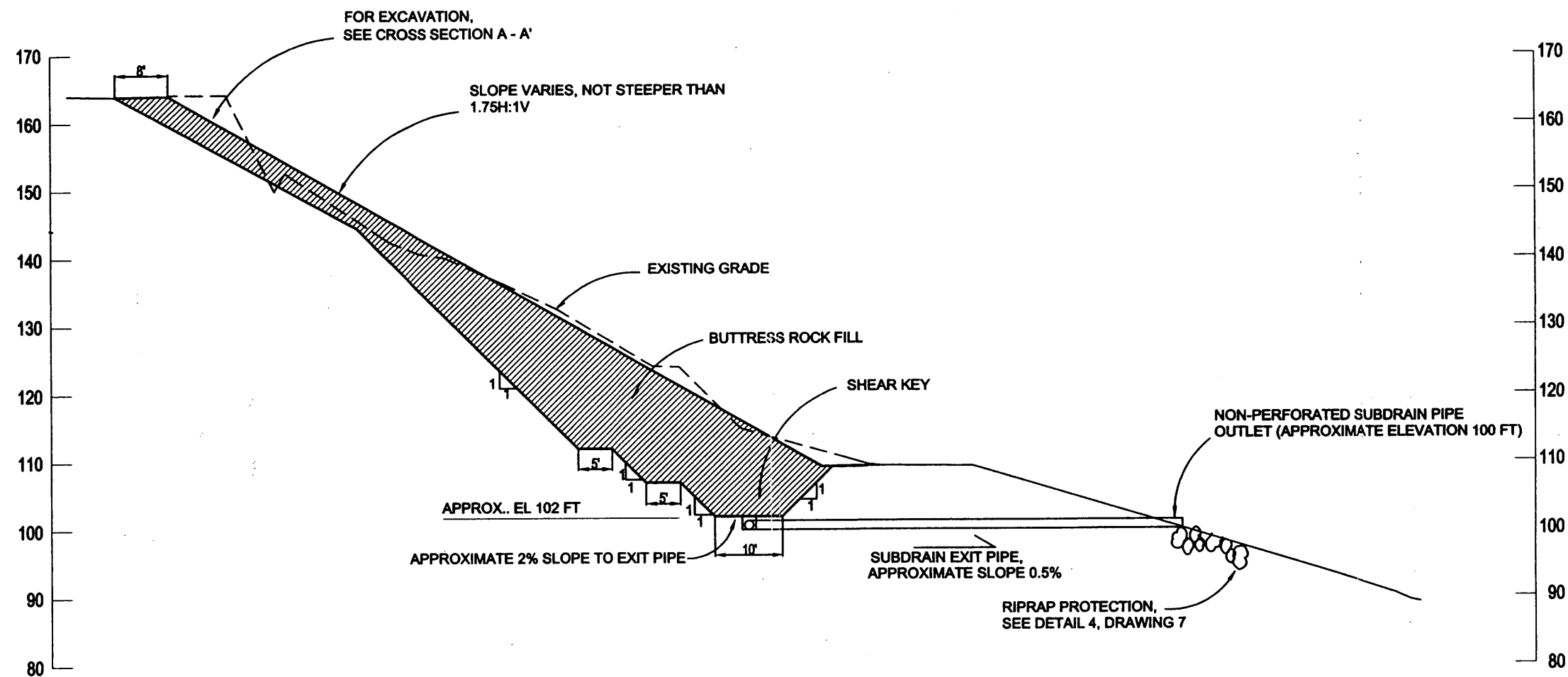
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CROSS SECTION B-B'

Scale : 1" = 20' Horizontal
1" = 20' Vertical





CROSS SECTION C-C'

Scale : 1" = 20' Horizontal
1" = 20' Vertical



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Lake Oswego, Oregon 97035
503-635-4419

DESIGNED BY	RP
DRAWN BY	WJC
CHECKED BY	WJC
APPROVED BY	WJC

Water Treatment Plant Bluff
Landslide Repair

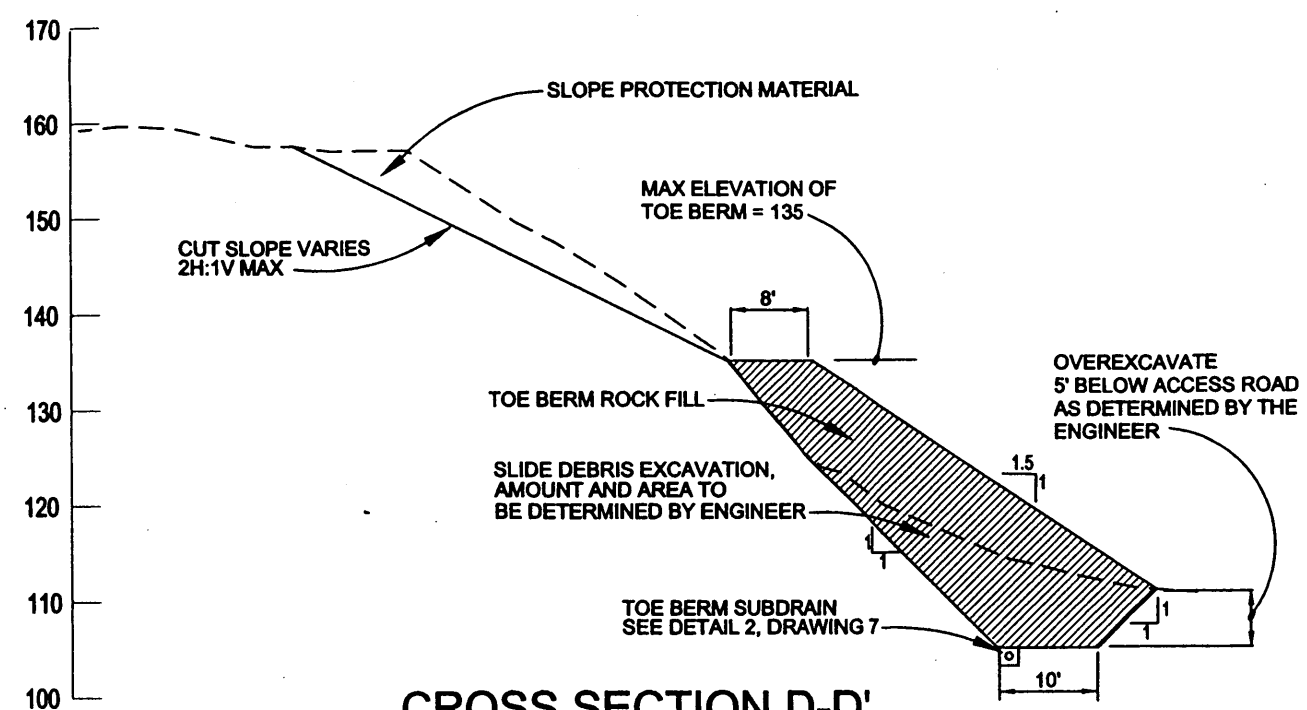
City of Newberg, Oregon

BUTRESS SECTION

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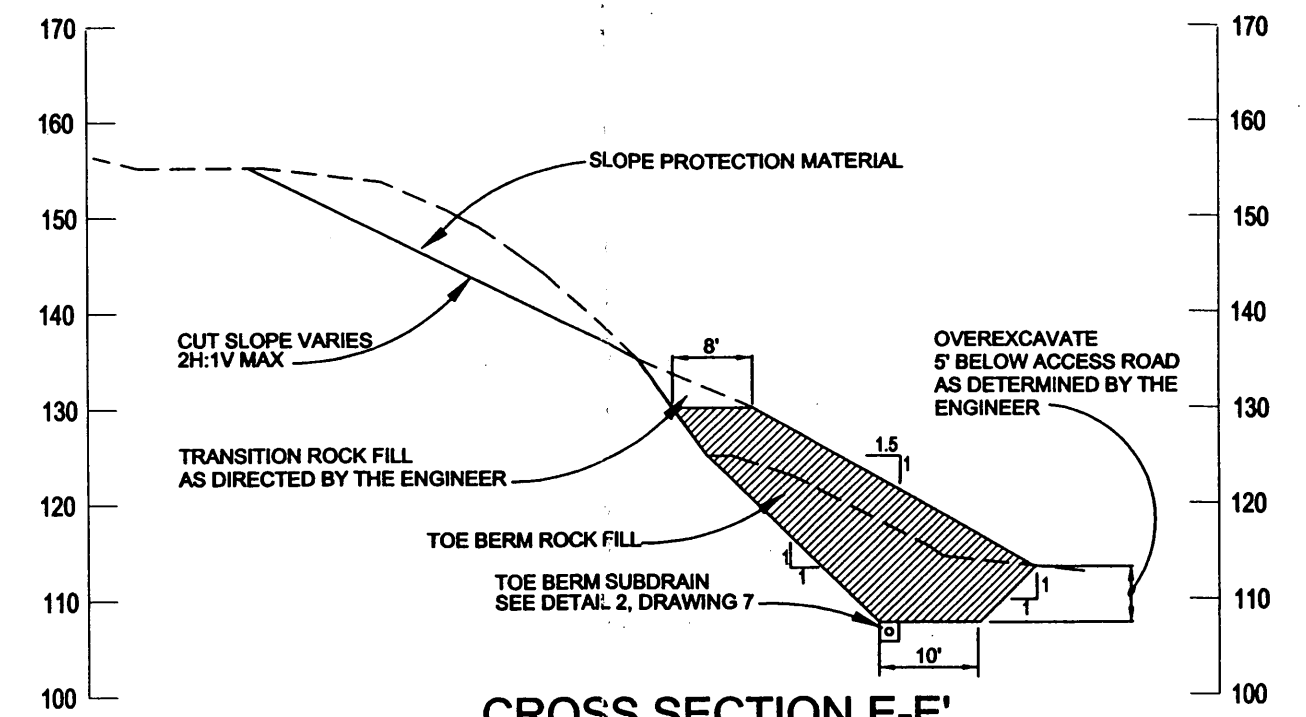
BY	NO.	DATE	REVISIONS	COMMENTS

Drawing
5
of 7
Date: January 1998



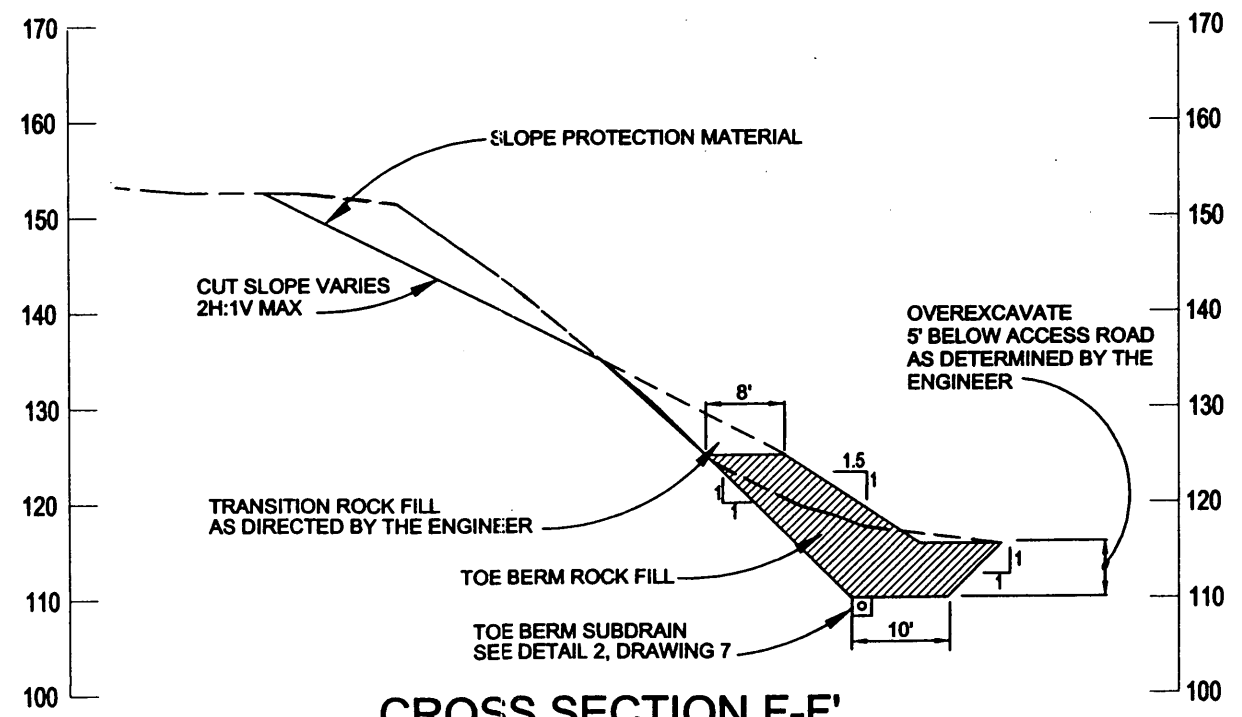
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CROSS SECTION E-E'

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CROSS SECTION F-F'

Scale : 1" = 20' Horizontal
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EXPIRES 06/30/01

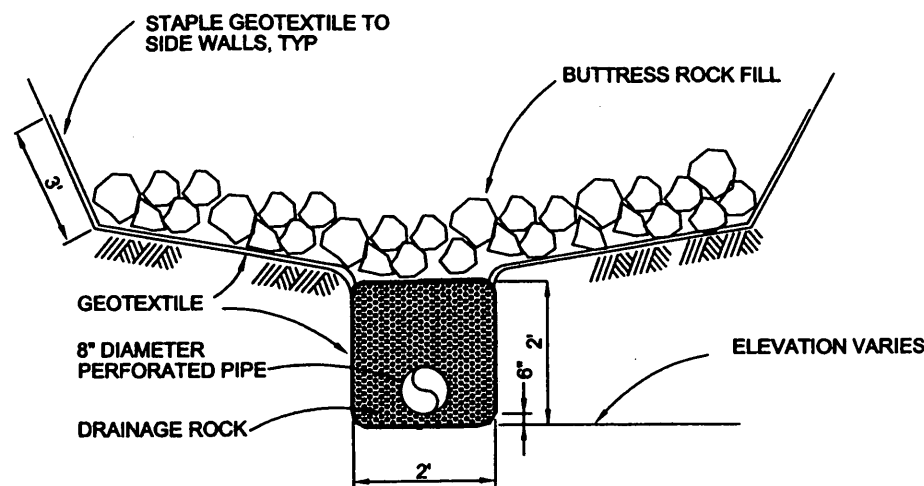
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4260 Galewood Street
Lake Oswego, Oregon 97035
503-635-4419

DESIGNED BY <i>RA</i>	Water Treatment Plant Bluff Landslide Repair
DRAWN BY GCD	
CHECKED BY <i>[Signature]</i>	
APPROVED BY <i>[Signature]</i>	City of Newberg, Oregon

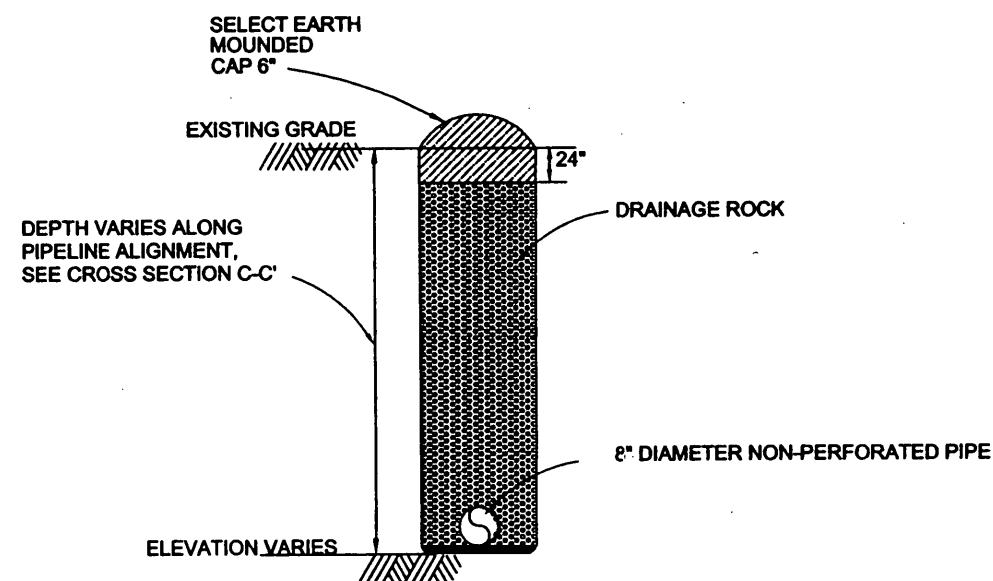
TOE BERM SECTIONS

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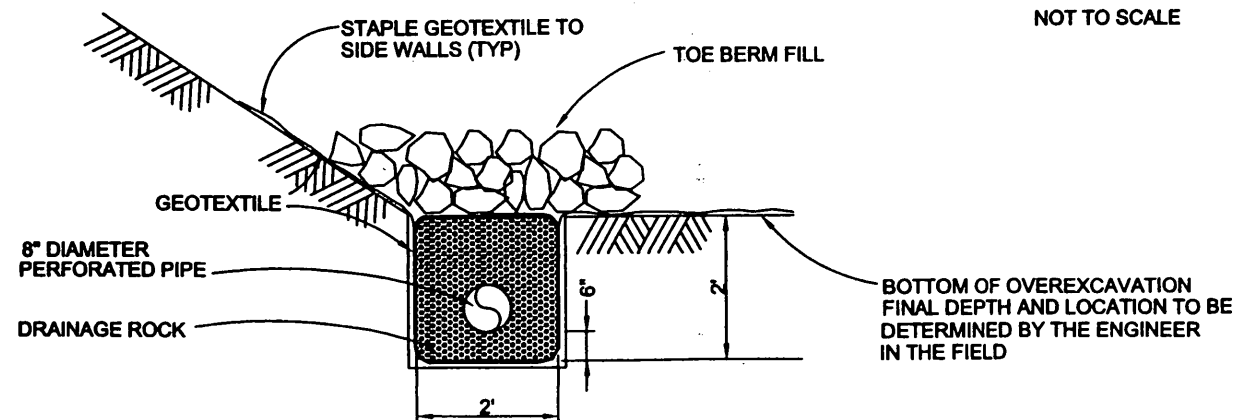
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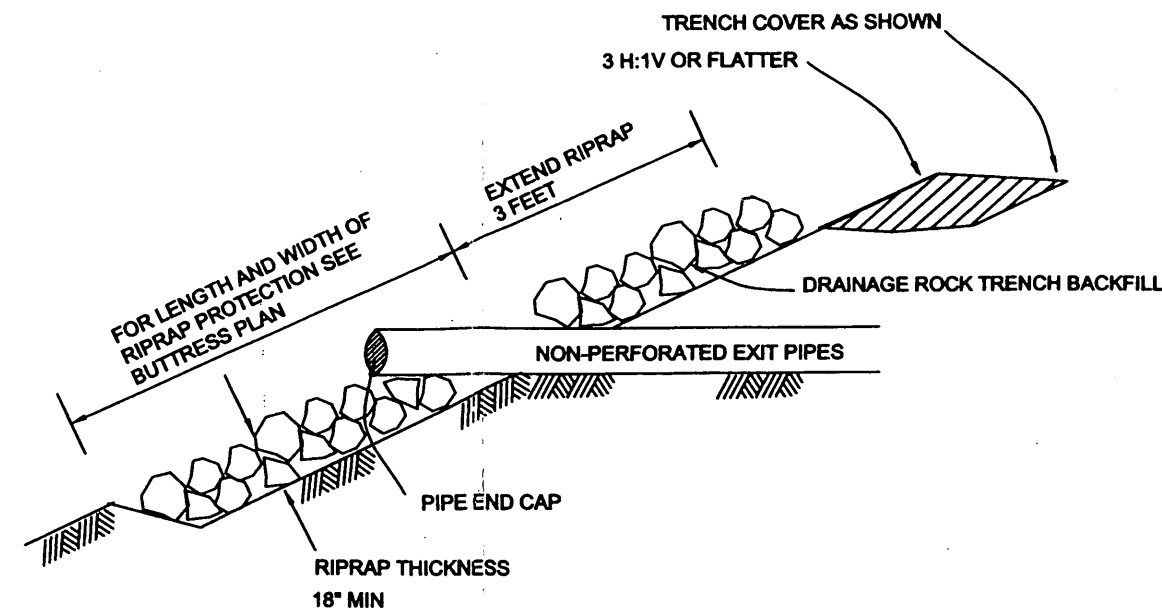
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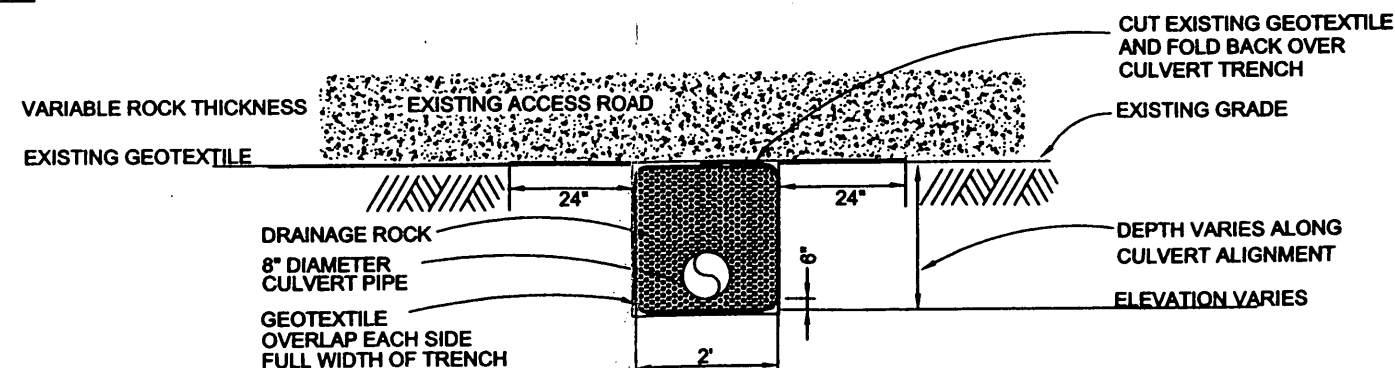
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NOT TO SCALE



DETAIL 2: TOE BERM SUBDRAIN
NOT TO SCALE



DETAIL 4: RIPRAP PROTECTION AT PIPE DAYLIGHT
NOT TO SCALE



DETAIL 5: CULVERT
NOT TO SCALE