



**CITY OF TACOMA**  
**Public Works Engineering Division**

**ADDENDUM NO.3**

**DATE 1/11/2023**

**REVISIONS TO:**

**Request for Bids Specification No. PW22-0391F**  
**Prairie Line Trail Phase II - REBID**

**NOTICE TO ALL BIDDERS:**

This addendum is issued to clarify, revise, add to or delete from, the original specification documents for the above project. This addendum, as integrated with the original specification documents, shall form the specification documents. The noted revisions shall take precedence over previously issued specification documents and shall become part of this contract.

**REVISIONS TO THE SUBMITTAL DEADLINE:**

The submittal deadline is unchanged.

**REVISIONS TO THE GENERAL INFORMATION AND REQUIREMENTS AND REVISIONS TO THE SUBMITTAL PACKAGE:**

**CHANGE #1**

*The Acknowledgment in the Bid Proposal Package and the Specifications is replaced with the attached Acknowledgment labeled Addendum #3.*

**REVISIONS TO THE SPECIAL PROVISIONS:**

**CHANGE #1**

*The Cover Page for the Tacoma Water Special Provisions is replaced with the attached Cover Page for the Tacoma Water Special Provisions labeled Addendum #3.*

**CHANGE #2**

*The Tacoma Water Special Provisions are replaced with the attached Tacoma Water Special Provisions labeled Addendum #3.*

### CHANGE #3

*The following information is added to the Tacoma Water Special provisions.*

The following list of submittals for the Tacoma Water work included in this project is not exhaustive but is intended to assist the contractor in submitting the most commonly looked for items in the submittal process.

<b>Section</b>	<b>Description</b>
5-04	Temporary HMA
7-04, 7-17, 7-18	Storm, Sanitary, and Side Sewer Restoration
7-09	Concrete for Concrete Thrust Anchors
7-09	Pipe Submittals
7-09	Ductile Iron Fitting Submittals
7-09	8-mil thick V-Bio Enhanced Polyethylene Encasement
7-09	Trench Compaction
7-09	Temporary Blow-Offs
7-09	Transition Couplings
7-09	CDF Mix for Trench Dam
7-09.3	Sand for Pipe Bedding
7-12, 9- 30.3(2)	Gate Valves
7-14	Fire Hydrants
8-01	Inlet Protection
8-01	Street Cleaning with Power Sweeper and Vacuum Equip.
9-03	Crushed Surfacing Top Course
7-12, 9- 30.3	Butterfly Valves
9-30.2(6)	Mechanical Joint Restraining Glands

### CHANGE #4

*Appendix B is supplemented with the additional boring log information attached.*

### REVISIONS TO THE GENERAL INFORMATION AND REQUIREMENTS:

#### CHANGE #1

*Part IV Federal Wage Rates of the Special Provisions is replaced with the attached Part IV Federal Wage Rates labeled Addendum #3.*

## **CHANGE #2**

*Part V State and Prevailing Wages Rates of the Special Provisions is replaced with the attached Part V State and Prevailing Wages Rates labeled Addendum #3.*

## **CHANGE #3**

*Part VI Insurance Requirements of the Special Provisions is replaced with the attached Part VI Insurance Requirements labeled Addendum #3.*

## **REVISIONS TO THE PLANS:**

### **CHANGE #1**

*Sheet S3.01 is replaced with the attached Sheet S3.01 with Revision 1 "Soldier Pile Detail Revision".*

NOTE: Acknowledge receipt of this addendum by initialing the corresponding space as indicated on the signature page. Vendors who have already submitted their bid/proposal may contact the Purchasing Division at 253-502-8468 and request return of their bid/proposal for acknowledgment and re-submittal. Or, a letter acknowledging receipt of this addendum may be submitted in an envelope marked Request for Bids Specification No. PW22-0391F Addendum No. 3. The City reserves the right to reject any and all bids, including, in certain circumstances, for failure to appropriately acknowledge this addendum.

cc: Chris Storey, Public Works Engineering  
Darius Thompson, Public Works Engineering

**ACKNOWLEDGMENT**

SPECIFICATION NO. PW22-0391F

The bidder is hereby advised that by signature of this bid proposal he/she is deemed to have acknowledged all requirements and signed all certificates contained herein.

The undersigned hereby agrees to pay labor not less than the prevailing rates of wages in accordance with the requirements of the Special provisions for this project.

A bid proposal guaranty in an amount of five percent (5%) of the total bid, based upon the approximate estimate of quantities at the above prices and in the form as indicated below, is attached hereto:

CASH                            \_\_\_\_\_ IN THE AMOUNT OF \_\_\_\_\_

CASHIER'S CHECK            \_\_\_\_\_ Dollars

CERTIFIED CHECK            \_\_\_\_\_ (\$\_\_\_\_\_) PAYABLE TO THE CITY TREASURER

BID BOND                        \_\_\_\_\_ IN THE AMOUNT OF 5% OF THE TOTAL AMOUNT BID

\*\*Receipt is hereby acknowledged of Addendum No.(s) \_\_\_\_, \_\_\_\_, \_\_\_\_, & \_\_\_\_.

SIGNATURE OF AUTHORIZED OFFICIAL(S)

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

Firm Name \_\_\_\_\_

Signed and sworn to (or affirmed) before me on \_\_\_\_\_  
Date

\_\_\_\_\_  
Notary Public

My appointment expires \_\_\_\_\_  
(Seal or Stamp)

**NOTE:**

1. This bid proposal form is not transferable and any alteration of the firm's name entered hereon without prior permission from the Secretary of Transportation will be cause for considering the bid proposal irregular and subsequent rejection of the bid.
2. Please refer to Section 1-02.6 of the standard Specification, re: "Preparation of Proposal," or "Article 4" of the Instructions to Bidders for building construction jobs.

**CITY OF TACOMA  
DEPARTMENT OF PUBLIC UTILITIES  
TACOMA WATER**

**SPECIFICATION NO. PW22-0391F**

**CONSTRUCTING WATER MAINS  
In Accordance With Approved Plans For**

**WATER MAIN REPLACEMENT PROJECT NO. MRP 2021-0068**

**PRAIRIE LINE TRAILS  
From S. 21<sup>st</sup> St. and S. Jefferson St. to S. 25<sup>th</sup> St. and S. Hood St.**



07/06/2022

Troy Saghafi, P.E.  
Tacoma Water  
Tacoma Public Utilities  
MRP 2021-0068

CITY OF TACOMA  
TACOMA PUBLIC UTILITIES  
TACOMA WATER

SPECIAL PROVISIONS  
FOR

SPECIFICATION PW22-0391F

MAIN REPLACEMENT PROJECT NO. MRP 2021-0068

IN

Prairie Line Trail

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## INTRODUCTION

**April 1, 2022**

The following special provisions shall be used in conjunction with the applicable sections of the 2020 M41-10 Washington State Department of Transportation Standard Specifications for Road, Bridge and Municipal Construction and the American Water Works Association (AWWA) Standard Specifications. State Standard Specifications are available through WSDOT, by calling (360) 705-7430, or may be downloaded, free of charge, from this location on the WSDOT home page:

[www.wsdot.wa.gov/Publications/Manuals/M41-10.htm](http://www.wsdot.wa.gov/Publications/Manuals/M41-10.htm)

**These Special Provisions are applicable only to the water main replacement portion of the project.**

## DESCRIPTION OF WORK

(\*\*\*\*\*)

The work to be performed under these Specifications consists of furnishing all labor, tools and materials for constructing approximately 1,300 lineal feet of 12-inch, 8-inch, and 6-inch water mains together with all necessary valves, specials, etc., all in accordance with these specifications and approved plans. The work is located in:

S 21<sup>st</sup> Street, from S Jefferson Street to S "C" Street. S 23<sup>rd</sup> Street, from S Jefferson Street to S Hood Street and S Hood Street, from S 25<sup>th</sup> Street to S 23<sup>rd</sup> Street,

All located in the SW ¼ - Sec 04 – T.20N – R.3E and the NW ¼ - Sec 09 – T.20N – R.3E- W.M. Tacoma, Washington.

This project is in conjunction with City of Tacoma Environmental Services Specification Number PW22-0391F, Prairie Line Trail Project. All materials required and not listed herein, to be furnished by Tacoma Water, shall be furnished by the Contractor. The modifications to the water distribution system shown on the Water Division Plans will be constructed as a part of this contract. These Special Provisions are applicable to water distribution work only and supersede any conflicting provisions that may appear elsewhere in the Contract Documents or Standard Specifications in regard to the water distribution main facility scope of work. Proposal items within the Tacoma Water section of the proposal are applicable to the water main scope of work only and shall not be construed to apply to other subsections of the Contract.

## END OF SECTION

### 2-01 CLEARING, GRUBBING, AND ROADSIDE CLEANUP

#### 2-01.2(2) Disposal Method No. 2 – Waste Site

*This section is supplemented with the following:*

All excess material from this contract, disposed at sites within the City of Tacoma, shall be placed in accordance with Ordinance No. 26310 - Section 2.02.330 EXCAVATION AND GRADING Amendment to Appendix Chapter 33 of the 1997

UNIFORM BUILDING CODE. Excess material disposed outside the limits of the City of Tacoma shall be placed in accordance with all applicable state, county and municipal regulations.

All costs associated with wasting the excess material, as required above, shall be included in the contract.

## **END OF SECTION**

### **2-02 REMOVAL OF STRUCTURES AND OBSTRUCTIONS**

#### **2-02.3 Construction Requirements**

*This section is supplemented with the following:*

As indicated on the plans or as directed by the Engineer all old pipe (except wood stave and Asbestos Cement pipe), valves, hydrants and fittings salvaged from replaced pipelines shall be delivered by the Contractor to the Water Storeroom at South 35th and Union Avenue (Tacoma, WA) at no additional cost. Otherwise, abandon, haul and disposal is incidental to the contract.

Salvage methods shall be used which will save all material intact and undamaged.

#### **2-02.3(3) Removal of Pavement, Sidewalks, Curbs, and Gutters**

*This section is revised to read:*

Removal and disposal of existing pavement, sidewalks, curbs, and gutters associated with the water main installation includes all combinations and thicknesses. No additional compensation shall be made for varying combinations and thicknesses.

All costs for the removal and disposal of existing concrete curb, sidewalk, driveways, and alley approaches for the water main or related appurtenances shall be included in the unit contract bid price.

Any slurry generated by saw cutting shall be collected by a wet-vacuum and kept out of the storm sewer system. The Contractor shall not violate the requirement of WSDOT Standard Specifications, 2020 M 41-10, and section 1-07.5 (Fish and Wildlife and Ecology Regulations).

#### **2-02.4 Measurement**

*This section is revised to read:*

Measurement for Removal and disposal of existing pavement, sidewalks, curbs, and gutters associated with the water main installation will be made by the square yard.

No measurement for removal and reclaiming salvaged material shall be made and shall be considered incidental to the contract.

#### **2-02.5 Payment**

*This section is revised to read:*

“Removal and disposal of existing pavement, sidewalks, curbs, and gutters includes all thicknesses & combinations”, per square yard.

“Removal and disposal of existing pavement, sidewalks, curbs, and gutters, includes all thicknesses & combinations”, shall include all costs for saw cutting, wheel trenching, hydro hammering, chipping, grinding, etc., the existing street for main construction and hydrant laterals. The wheel trencher may be used for the thicker initial cuts for main/hydrant installation. Additional cuts to square up the permanent patch for concrete base and asphalt concrete will be made after trenching and pouring the concrete base, respectively, when applicable, and will encompass areas disturbed by service transfers. All costs for additional cuts shall be included in the unit contract bid price.

## **END OF SECTION**

### **2-17 CONTROL AND MANAGEMENT OF CONTAMINATED MATERIALS**

Described Elsewhere in the Contract Documents.

Refer to the General Special Provisions Section 2-17 CONTROL AND MANAGEMENT OF CONTAMINATED MATERIALS.

## **END OF SECTION**

### **5-04 HOT MIX ASPHALT**

#### **5-04.2 Materials**

*This section is supplemented with the following:*

If utilized, the amount of Recycled Asphalt Pavement (RAP) shall not exceed 10-percent of the total weight of the Hot Mix Asphalt (HMA).

#### **Tack Coat**

All coatings for tack coat shall be considered as incidental to and included in the unit contract price for HMA.

#### **5-04.3 Construction Requirements**

*This section is supplemented with the following:*

In areas with existing pavement, a minimum of two (2) inches of HMA shall be placed and maintained as temporary surfacing in open cut areas of streets, driveways and sidewalks disturbed during water main construction. Temporary HMA paving shall be done so that, in areas with existing pavement, the entire pavement cut will receive a temporary patch by the conclusion of the day's work to allow resumption of normal traffic patterns. Temporary paving shall be placed such that it will hold up to heavy traffic for an extended period of time. All paving shall be saw-cut or neat spade prior to excavation.

The Contractor shall maintain a temporary patch while Tacoma Water personnel renew the services and transfer them to the new main, after which he/she shall start with additional street repairs. The Contractor shall make permanent street repairs for all pavement disturbed by Tacoma Water personnel during service renewal/transfer at the unit price bid in the Proposal for those items.

The Contractor shall inform himself/herself of Tacoma Public Works requirements for surface repairs and adjustment of facilities. All manhole rings and valve boxes shall be removed/lowered prior to paving and set to grade after final HMA paving per dwg. SU-25 or dwg 17-56-1, incidental to contract.

The Contractor shall confine his/her operations as much as possible, such that there is minimal damage to existing pavement.

It shall be the Contractor's responsibility to protect the edge of the paved roadway at all times. The expense for pavement repairs beyond the neat line of the trench due to over-excavation or damage to the roadway edge caused by heavy equipment, spoil cleanup or other operations of the Contractor shall be the responsibility of the Contractor.

No permanent street repairs will be made until the services are transferred to the new main. The removal of trench backfill for permanent street repairs will be incidental to the bid, including additional areas disturbed during the service transfers.

#### **5-04.4 Measurement**

*This section is supplemented with the following:*

Temporary HMA Class \_\_\_\_” PG\_\_\_\_, \_\_\_\_-inch minimum depth, installed & removed will be measured by the surface square yardage.

HMA CI. \_\_\_\_ PG\_\_\_\_, will be measured by the ton. Copies of the weigh tickets shall be given to the Construction Inspector daily.

#### **5-04.5 Payment**

*This section is replaced in its entirety with the following:*

Payment will be made in accordance with Section 1-04.1, for the following Bid item when is it included in the Proposal:

“Temporary HMA CI \_\_\_\_ PG\_\_\_\_, \_\_\_\_-inch minimum depth, installed & removed”, per square yard.

The unit contract price per square yard for “Temporary HMA CI \_\_\_\_ PG\_\_\_\_, \_\_\_\_-inch minimum depth, installed & removed” shall be full compensation for all costs including mobilization, preparation, placement, compaction, maintenance and removal in preparation for permanent street repairs.

“HMA CI. \_\_\_\_ PG \_\_\_\_”, per ton.

The unit contract price per ton for “HMA CI. \_\_\_\_ PG \_\_\_\_” shall be full compensation for all costs incurred for mobilization, preparation, trimming, grinding, pre-

leveling, hot mix asphalt pavement, sweeping, tack coat, joint sealing, saw-cutting, pavement compaction tests and fog seal in accordance with plan details, City of Tacoma Standard Plans, and WSDOT Standard Specifications, 2020, M41-10, section 5-04. All manhole rings and valve boxes shall be removed/lowered prior to paving and set to grade after final HMA paving per dwg. SU-25 or dwg 17-56-1, incidental to contract.

## **END OF SECTION**

### **7-04 STORM SEWERS**

#### **7-04.3 Construction Requirements**

*This section is supplemented with the following:*

Storm sewers may be encountered at various locations throughout this project. Prior to the start of the storm sewer repair, the Inspector and/or Contractor shall notify the Inspector. C900 PVC, Ductile Iron or 3034 PVC may be used on storm line repairs. The repair of the storm sewer shall be made three feet outside of the water main trench. No additional compensation shall be made for the extended connection and material. Mechanical couplings (Romac or equivalent) shall be installed at both ends of the storm sewer restoration forming a rigid connection between the new and existing pipe. Rigid PVC slip couplings for PVC pipe and Romac mechanical style for concrete pipe only. Repair/replacement/restoration will be at the inspector's discretion and the local jurisdiction.

#### **7-04.4 Measurement**

*This section is revised in its entirety with the following:*

Storm sewer repair will be measured per each.

#### **7-04.5 Payment**

*This section is revised in its entirety with the following:*

"Storm, Sanitary, and Side Sewer Restoration", per each.

"Storm, Sanitary, and Side Sewer Restoration", includes any work and materials required to remove and replace storm, sanitary, and side sewers shall be included in the bid item. This is a per each bid item that includes all costs but is not limited to pipe, fittings, pea gravel, labor, and equipment, etc. to repair sewers.

## **END OF SECTION**

### **7-09 WATER MAINS**

#### **7-09.1 Description**

*The first paragraph is revised to read:*

This work consists of constructing water mains 24-inch in diameter and smaller in accordance with the Tacoma Water Plans, these Special Provisions, the Standard Specifications and the Standard Plans, at the location shown on the Tacoma Water Plans.

*This section is supplemented with the following:*

All pipe, fittings, valves, hydrants and other materials to be installed and placed under these specifications are intended to form a durable section of the distribution system of ample strength and capacity for the operating pressures in the area covered for domestic, commercial and fire protection uses and must be completed in condition to supply potable water of the highest sanitary quality. All material must be selected and the work planned and carried out to accomplish this purpose.

The cost of any item of work to be completed or materials to be furnished on the contract drawings or stated in the project specifications and having no special bid item in the Proposal, shall be considered included in the various bid items of the contract and no separate payment will be made. All materials required and not specifically listed herein to be furnished by Tacoma Water shall be furnished by the Contractor.

Any part of work not specifically covered by these specifications shall be in accordance with the American Water Works Association (AWWA) Standard Specifications and the Ductile Iron Pipe Research Association (DIPRA).

#### **7-09.1(1) C Gravel Backfill for Pipe Zone Bedding**

*This section is supplemented with the following:*

To avoid puncturing or tearing of the polyethylene sleeve, Contractor shall install a clean washed sand encasement (Pipe Zone Bedding) 6-inches below designed grade of the pipe, trench width, to 6-inches above top of pipe, and a minimum of 6-inches of pipe zone bedding on each side of pipe. Note, the profile shows the invert elevation of the pipe, not the bottom of the trench. The sand used for "Pipe Zone Bedding" shall meet the requirements of Section 9-03.1(2), Class 2 as described in 2020 WSDOT Standard Specifications.

The "Pipe Zone Bedding" sand shall be compacted by water settling and/or mechanical equipment. The remaining trench section shall be compacted with mechanical equipment to the standards as specified in "7-09.3(11) *Compaction of Backfill*".

#### **7-09.1(1) D Pipe Zone Backfill**

*This section is revised to read:*

Aggregates for the trench section above the "Pipe Zone Bedding" will conform to the requirements for Trench Backfill 7-09.1(1)E.

#### **7-09.2 Aggregate Materials**

*Under the heading Aggregates:*

*"Gravel Backfill for Pipe Zone Bedding*

*9-03.12(3)" is revised to read:*

*Gravel Backfill for Pipe Zone Bedding*

9-03.1(2)B, Class 2.

*"Trench Backfill*

*9-03.15 or 9-03.19" is revised to read:*

*Trench Backfill*

9-03.9(3), Top Course

*This section is supplemented with the following:*

All materials shall conform to American Water Works Association (AWWA) and the Ductile Iron Pipe Research Association (DIPRA). No recycled material shall be used for water main trench backfill.

### **7-09.3 Construction Requirements**

#### **7-09.3(1) General**

*This section is supplemented with the following:*

Trench Excavation shall be loaded directly onto trucks. Trench Excavation shall not be stockpiled along the trench or on paved streets, driveways, and sidewalks.

Alignment and grade stakes will be provided by Tacoma Water. The Contractor shall provide a minimum of 5 days working days' notice for staking by Tacoma Water. Request for survey shall be made through Geff Yotter, Tacoma Water Construction Operations Manager, (253) 502-8742. The Contractor shall use a string line to maintain true grade, and alignment between stakes. Use of electronic leveling devices for grade and alignment shall be at the discretion of the Inspector where string line is impractical.

#### **7-09.3(1) A Trench Foundation**

*This section is added with the following:*

Trench areas found to be inadequate for a solid pipe line trench foundation shall be over excavated and quarry spalls shall be placed until an adequate foundation is accomplished then sand bedding. Note, the profile shows the invert elevation of the pipe, not the bottom of the trench.

#### **7-09.3(5) Grade and Alignment**

*The first sentence of the third paragraph is revised to read:*

The depth of trenching for water mains shall be such as to give a minimum cover of **53** inches over the top of pipe unless otherwise specified on the Tacoma Water Plans, within these Special Provisions, or approved by the Engineer.

#### **7-09.3(6) Existing Utilities**

*This section is supplemented with the following:*

The lump sum bid item for of "Test Holes" is for the purpose of pre-determining and resolving conflicts with existing utilities and is required to be completed prior to the water main installation. Proper test holes cannot be accomplished until utility "one call" locates have established and maintained. The selection of methods materials or equipment used for test holes is at the discretion of the Contractor. No additional compensation will be made for any particular or specialized equipment or technique utilized by the Contractor. The work shall include all techniques as necessary to field verify and locate all existing utilities, whether shown on the plans or located via one call utility locates, at all new main crossings. Test-hole excavation shall be done in the presence of the Construction Inspector. Test-hole data shall be provided to the inspector prior to main construction and adequate time given to the engineer to re-



design if necessary. If the elevation/alignment of the existing utilities is in conflict with the new main installation, the elevation/alignment design will be adjusted by the engineer/inspector.

Additional compensation for any extra excavation required will be made to the Contractor through Extra Trench Excavation and Disposal item as supplemented in these Special Provisions.

Sanitary side sewers and storm catch basin laterals that are unmarked or not locatable and are damaged during water main construction will be repaired and/or replaced as necessary. Prior to the start of the repair, the Inspector and/or Contractor shall notify agency responsible for system and make repairs to their standards and make the repair available for the agencies inspection if required or requested. Repair/replacement/restoration will be at the inspector's discretion and in accordance with sections 7-04, 7-17, 7-18 and the Washington State Department of Ecology, Criteria for Sewer Works Design, sections C1-8 and C1-9.

### **7-09.3(7) Trench Excavation**

*The third sentence of the second paragraph of this section is revised to read:*

The minimum trench width shall be the nominal pipe diameter plus 16 inches. The maximum trench width shall not exceed 30-inches, or 1.5 times the outside diameter of the pipe plus 18-inches, whichever is greater, unless otherwise approved by the Engineer to allow for proper construction of the pipeline, fittings and other appurtenances.

*This section is supplemented with the following:*

When shown on plans or as directed by the Engineer, the Contractor shall install trench dams on water main per standard plan SU-33.

### **7-09.3(7) A Dewatering of Trench**

*This section is supplemented with the following:*

The Contractor is responsible for having proper and operational equipment for dewatering. The Contractor will have operational de-watering equipment on site prior to main shutdown. The cost of all labor, equipment and materials for de-watering shall be included in the various bid items of the contract. No additional compensation will be made for dewatering.

The Contractor is responsible for keeping excavations free from water during construction and disposing of the water in a manner that will not cause injury to public or private property, or to cause a nuisance or a menace to the public. The Contractor shall maintain dry working conditions at all times and under all conditions. Groundwater flowing toward or into excavations shall be controlled to prevent sloughing of excavation walls, boils, uplift, and heave in the excavation, and to eliminate interference with orderly progress of construction. While the excavation is open, the water level shall continuously be maintained at least two (2) feet below the working level. The control of groundwater shall be such that softening of the bottom of excavations, or formation of "quick" conditions or "boils" during excavation, shall not occur. The Contractor is responsible for all foundation material required due to lack of dewatering efforts.

All costs associated with dewatering and discharge to the sanitary sewer shall be incidental to Trench Excavation and Disposal, Section 7-09.3(8) of these specifications.

**7-09.3(7) C Extra Trench Excavation**

*The 4<sup>th</sup> paragraph of this section is revised to read:*

Additional excavations, as directed by the inspector shall be classified as Extra Trench Excavation and Disposal.

**7-09.3(8) Removal and Replacement of Unsuitable Materials**

*This section heading is revised to read:*

**7-09.3(8) Trench Excavation and Disposal**

*This section is supplemented with the following:*

Unless specified elsewhere in the plans or special provisions the scope of this Contract shall include the export and disposal of 100% of all excavated materials and the import of 100% of all trench backfill material.

**7-09.3(9) Bedding the Pipe**

*The first sentence of the first paragraph is revised to read:*

When installing Polyethylene encasement on ductile iron pipe, to avoid puncturing or tearing of the polyethylene sleeve, a clean washed sand encasement 6-inches below designed grade of the pipe, trench width, to 6-inches above top of pipe shall be installed. Note, the profile shows the invert elevation of the pipe, not the bottom of the trench. The sand bedding around the pipe shall be compacted by water settling and/or mechanical equipment. The remaining trench section shall be compacted with mechanical equipment to the standards as specified in “7-09.3(11) *Compaction of Backfill*”. The sand used for “Pipe Zone Bedding” shall meet the requirements of Section 9-03.1(2) B, Class 2 as described in 2020 WSDOT Standard Specifications.

**7-09.3(10) Backfilling Trenches**

*This section is supplemented with the following:*

For the trench section above the “Pipe Zone Bedding”, unless otherwise specified, Tacoma Water will require full depth Crushed Surfacing Top Course (CSTC), for trench backfill and compacted in accordance with the 2020 WSDOT Standard Specifications. The Contractor will be required to provide a current proctor of material for compaction testing. Compaction testing will be paid under a separate bid item.

CSTC shall also be placed in areas of existing rock surfacing disrupted by the water main construction and in any other areas where directed by the inspector, and rolled with a power roller.

**7-09.3(11) Compaction of Backfill**

*This section is revised to read:*

Backfill, shall be compacted to at least 95-percent of maximum density as specified in Section 2-03.3(14) D.

At locations where paved streets, roadway shoulders, driveways, or sidewalks will be constructed or reconstructed over the trench, the backfill shall be spread in layers and compacted by mechanical tampers. In such cases, the backfill material shall be placed in successive layers not exceeding 12-inches in loose thickness (or as specified in City of Tacoma Standard Plan SU-28, whichever is less), and each layer shall be compacted with mechanical tampers to the density specified herein. Mechanical tampers shall be of the impact type as approved by the Engineer.

Compaction test locations shall be at 150 linear foot intervals, with a minimum of two compaction test locations per trench, or as directed by the Engineer. The Contractor shall perform compaction testing each day main is installed.

At each compaction test location, compaction tests shall be taken on each compacted layer, starting 18-inches above the pipe and finishing at the final ground surface. Each layer shall be compacted to 95% modified proctor density, as verified by compaction testing, before proceeding to place and compact the next layer. Compaction testing will be performed by a licensed testing company with trained personnel in the presence of the Tacoma Water Construction Inspector. Passing test will be based on a current proctor of material used. Costs incurred for any proctor test, and failed compaction tests, are the responsibility of the Contractor.

Service transfer work by Tacoma Water will not commence until such time as the trench has been successfully backfilled, as demonstrated through receipt of successful compaction test results for that portion of water main to be placed in service.

#### **7-09.3(12) General Pipe Installation**

*The first sentence of the first paragraph is revised to read:*

Pipe shall be installed in accordance with the manufacturer's printed specifications and instructions, and to the standards of the AWWA and DIPRA for installing the type of pipe used.

#### **7-09.3(14) Cutting Pipe**

*This section is supplemented with the following:*

Short lengths of field cut pipe used for bell and spigot joints shall have a bevel of 30° from center and ¼" from the end.

#### **7-09.3(16) Cleaning and Assembling Joint**

*This section is supplemented with the following:*

Only food-grade pipe lubricant as specified by the pipe manufacturer for potable water shall be used on joints. It shall be delivered to the job in closed containers and shall be kept clean. Pipe lubricant shall be in accordance with AWWA C111/A21.11-95 paragraph. 4.4.4, and NSF/ANSI Standard 61, latest edition.

#### **7-09.3(17) Laying Ductile Iron Pipe with Polyethylene Encasement**

*This section is supplemented with the following:*

Where noted on the plans and as per the Engineer, the water main, fittings, valves, laterals, and appurtenances shall be encased with a minimum **8-mil thick V-Bio Enhanced Polyethylene Encasement**, as supplied by the United States Pipe and Foundry Company, the American Cast Iron Pipe company, the Pacific States Cast Iron Pipe Company, or approved equal. Polyethylene encasement for use with ductile iron pipe systems shall consist of three layers of co-extruded linear low density polyethylene (LLDPE), fused into a single thickness of not less than eight mils. The inside surface of the polyethylene wrap to be in contact with the pipe exterior shall be infused with a blend of antimicrobial compound to mitigate microbiologically influenced corrosion and volatile corrosion inhibitor to control galvanic corrosion.

The Polyethylene Encasement shall be installed in accordance with Ductile Iron Pipe Research Association (DIPRA) and American Water Works Association (AWWA) C105 section A21.5 and the following recommended method:

The pipe shall be raised about 3 feet above the ground at the side of the trench using either pipe tongs or a sling. The polyethylene sleeve cut approximately 2 feet longer than the length of the pipe, is slipped over the spigot end of the pipe and bunched up accordion fashion between the end of the pipe and the sling. The pipe is lowered into the trench and joined with adjacent installed pipe in the normal manner with a shallow bell hole to facilitate the wrapping of the joint. The sling is removed from the center of the pipe and hooked into the bell cavity. The bell is raised 3 to 4 inches and the polyethylene sleeve is slipped along the full length of the pipe barrel leaving enough sleeve at each end of the pipe to overlap the adjoining pipe about one foot. The sleeve is then pulled over the bell of the pipe, folded around the adjacent pipe barrel and wrapped with two circumferential turns of the 2-inch wide polyethylene adhesive tape to seal the sleeve to the pipe. The sleeve on the adjacent pipe is then pulled over the first wrap on the pipe bell and sealed in place behind the bell using two circumferential turns of the 2-inch wide polyethylene adhesive tape to complete the joint seal. The resulting loose wrap on the barrel of the pipe is pulled snugly around the barrel of the pipe, the excess material folded over the top, and the fold is held in place by means of short strips of the adhesive tape at intervals of about 3 feet along the pipe barrel.

Where valves, tees or other fittings are installed, the sleeve shall be cut to provide an overlap of about one foot and shall be slit and taped as required to provide openings for the branch lines, hydrant laterals (which shall also be encased in polyethylene) or gate valve bonnets. All pipe, fittings, valves and hydrants shall be encased in a polyethylene sleeve.

All punctures, tears or other damage to the polyethylene sleeve shall be repaired with additional polyethylene material and/or polyethylene adhesive tape to restore full protection to the water main to the satisfaction of the Tacoma Water Construction Inspector.

#### **7-09.3(19) A Connections to Existing Mains**

*This section is supplemented with the following:*

When connecting new mains to existing, the Contractor shall swab out all new material that will go into immediate service with a chlorine solution prior to installation. When shutdowns for connection are required, the Contractor will coordinate and schedule with the inspector, a minimum of three working days prior to the scheduled

time of shutdown, to allow 48-hour notification to all customers. Cancellations of the shutdown by the Contractor after customer notification is made may result in a charge to the Contractor for re-notification.

The Contractor is advised that existing valves used to shut down mains for connections are subject to leakage due to age and condition. The Contractor shall be prepared to deal with water from leaking valves encountered. No additional compensation will be made.

The Contractor is advised that only Tacoma Water crews may operate system valves.

The existing pipe shall be kept clean and free of debris as much as possible.

Coordination is an important part of this project so proper notification for shutdowns is necessary, such that they can be scheduled without causing delays to the Contractor or unanticipated interruption of service to Tacoma Water customers.

#### **7-09.3(19) B Maintaining Service**

*This section is supplemented with the following:*

Tacoma Water will furnish all labor and materials necessary to provide temporary (hi-line) mains and services when necessary or as determined by the Construction Inspector. The Contractor may have some down time waiting for services to be hi-lined. No extra compensation will be made to the Contractor for down time due to work by City forces. No time will be charged towards the contract's time of completion while services are transferred.

Where existing services are to be transferred from old to new mains, the work of the Contractor shall be so planned and coordinated with that of Tacoma Water that consumers will be shut off as briefly as possible.

#### **7-09.3(21) Concrete Thrust Blocking**

*The first paragraph is supplemented with the following:*

Concrete thrust blocking shall conform to Standard Drawing 17-56-1, with concrete having a minimum compressive strength of 3,000 psi at 28 days. Concrete used for thrust blocking on mains eight inch and smaller may meet the requirements of 6-02.3(4) B Jobsite Mixing. Temporary thrust blocking may be revised or altered as approved by the Tacoma Water Construction Inspector.

#### **7-09.3(22) Trench Dams**

Where located on the plans, trench dams shall be constructed of controlled density fill as depicted on trench dam detail found on sheet 4.

#### **7-09.3(23) Hydrostatic Pressure Test**

*Paragraph 13 is deleted:*

*This section is supplemented with the following:*

Testing will only be accomplished with the approval and in the presence of the Tacoma Water Construction Inspector. The Tacoma Water Construction Inspector will provide a set of pressure gauges. Testing will conform to DIPRA standards.

**7-09.3(23) A Testing Extensions from Existing Mains**

*This section is supplemented with the following:*

Testing will only be accomplished with the approval and in the presence of the Tacoma Water Construction Inspector. The Tacoma Water Construction Inspector will provide a set of pressure gauges. Testing will conform to DIPRA standards.

**7-09.3(23) B Testing Section with Hydrants Installed**

*This section is supplemented with the following:*

Testing will only be accomplished with the approval and in the presence of the Tacoma Water Construction Inspector. The Tacoma Water Construction Inspector will provide a set of pressure gauges. Testing will conform to DIPRA standards.

**7-09.3(24) A Flushing**

*This section is revised to read:*

In laying mains, care shall be taken to insure that the interior of the pipe is kept free of foreign matter or trench water. Upon completion of construction, the line shall be filled slowly under the direction of the Engineer and a pressure test conducted.

Sections of pipe to be disinfected shall first be flushed to remove any solids or contaminated material that may have become lodged in the pipe. If a hydrant is not installed at the end of the main, then a tap shall be provided large enough to develop a flow velocity of at least 2.5 feet per second in the water main.

Tacoma Water crews will flush, sample, and de-chlorinate newly installed water mains. The Contractor is advised that only Tacoma Water crews shall operate system valves.

Water for testing and sterilizing will be furnished without charge to the Contractor at such points as may be designated by the Inspector, in such quantities and at such times as will not interfere with service to Tacoma Water customers.

**7-09.3(24) K Retention Period Flushing**

*This section is revised to read:*

The chlorinated water resulting from the initial filling shall be retained in the line for a period of not less than 24 hours. After this period, the chlorine residual at the pipe extremities and at other representative points shall be at least 25 ppm. After which Tacoma Water will remove the chlorinated water and thoroughly flush the line. Tacoma Water shall take initial bacterial test samples of water flowing in the line upon completion of the flushing.

A second set of bacterial test samples will be taken after a 24-hour retention period of the water remaining in the pipe after the initial flushing. Should the samples

not test free of E coli and zero coli-form bacteria, the line shall be re-disinfected and re-flushed, at the expense of the Contractor, until two successive satisfactory samples are obtained.

Forty-eight hours is the minimum time required by the bacteriological laboratory to process samples.

#### **7-09.3(24) N Final Flushing and Testing**

*The second paragraph is deleted:*

*This section is supplemented with the following*

The Tacoma Water Construction Inspector will determine location of sample stations and coordinate with Tacoma Water crews for installation. Corporation stops with copper pipe stubs will be installed by Tacoma Water crews at selected points along the pipeline for use as sampling stations and points to release air, and apply test pressure.

The sampling stations will be removed by Tacoma Water crews after bacterial tests and pressure tests are completed unless the station will be used for a new water service lateral. Installation and removal of sample stations will be coordinated with the Contractor. The water main Contractor shall complete any excavation required for installation and/or removal of the sample stations. The cost of all labor, equipment and materials involved in the installation and removal of sample stations shall be included in the various bid items of the contract.

Unless specified on Contract Plans, Tacoma Water will furnish all labor and materials necessary to provide new services or to transfer present services to the new mains and to provide the required taps for testing and sterilizing.

Water for testing and sterilizing will be furnished without charge to the Contractor at such points as may be designated by the Inspector, in such quantities and at such times as will not interfere with service.

#### **7-09.4 Measurement**

*The ninth paragraph is revised to read:*

Trench shoring: The measurement of shoring will be by the linear foot of pipe laid and shall be measured along the pipe through fittings, valves and couplings. The single lineal foot measurement will be for both sides of the trench that is shored. Over-excavation to bypass the use of shoring/shielding is not considered a safety system and no payment will be made. Any extra quantities materials (pavement removal and replacement, trench excavation and disposal, trench backfill) attributed to over-excavation will not be paid for by Tacoma Water. Shoring/shielding requirements will be in accordance with WISHA standards and the 2020 M41-10 Washington State Department of Transportation Standard Specifications Section 7-09.3(7).

*This section is supplemented with the following:*

The unit prices bid in the Proposal shall include all the accessories, gaskets, follower glands, nuts, bolts, etc., necessary to complete the project on the approved plans.

Extra Trench Excavation and Disposal: Measurement of Extra Trench Excavation and Disposal as defined in Section 7-09.3(7) C will be measured by the cubic yard of material removed as measured by the Engineer. The depth shall be the actual depth removed for the changed line or grade in accordance with Section 7-09.3(5) or as ordered by the Engineer in accordance with Section 1-04.4. The width shall be the actual width removed for the changed line or grade, but in no case shall the measured width exceed the allowable widths specified in Section 7-09.3(7). This bid item shall also include the corresponding amount of CSTC and Gravel Backfill for Pipe Zone Bedding, as applicable, installed and compacted, for trench backfill.

“ \_\_\_\_\_-inch Ductile Iron Pipe, \_\_\_\_\_ Joint, ANSI/AWWA, C151, Special Thickness Class No. 52, installed (various sizes): Measurement for water mains will be by the linear foot measured along the pipe less fittings, valves and couplings.

Mechanical Joint Fittings and couplings (various sizes and combinations): Measurement for fittings and couplings shall be per each.

\_\_\_\_\_ -inch Blow-Off Assembly, installed: Measurement for this item will be per each.

Temporary \_\_\_\_\_ -inch Blow-Off Assembly, installed and removed: Measurement for this item will be per each.

\_\_\_\_\_ -inch Mechanical Joint Restraining Glands (various sizes): Measurement for these items will be per each.

Push-On Joint Restraining Gaskets (various sizes): Measurement for these items will be per each.

\_\_\_\_\_ -inch Transition couplings with \_\_\_\_\_ -inch center ring, \_\_\_\_\_ coating, and \_\_\_\_\_ bolts, \_\_\_\_\_ to \_\_\_\_\_ (various sizes): Measurement for these items will be per each.

\_\_\_\_\_ -inch End Cap Couplings, tapped \_\_\_\_\_ -inch with \_\_\_\_\_ -inch center ring, \_\_\_\_\_ coating, & \_\_\_\_\_ bolts (various sizes): Measurement for these items will be per each.

Concrete Thrust Anchor, installed: Measurement for this item will be per each.

Concrete Thrust Anchor with Hair Pins and min. one CY Concrete, installed: Measurement for this item will be per each.

Temporary Thrust Anchor, installed, install and remove: Measurement for this item will be per each. The use of blocking/preformed structures will be at the discretion of the inspector.

Crushed Surfacing Top Course (CSTC) for shoulder restoration as directed by Tacoma Water Inspector: Measurement for this item shall be per ton. It is the Contractor's responsibility to provide gravel tickets to Tacoma Water's inspector daily as materials are delivered.



Trench Compaction Test (as directed by the inspector), shall be per each for passing compaction test as per section 7-09.3(11). Test will be performed by a licensed testing facility with trained personnel in the presence of the Tacoma Water Construction Inspector. Passing test will be based on a current proctor of material used. Costs incurred for any proctor test and failing compaction test are responsibility of the Contractor.

Test Holes: No unit of measurement shall apply to the lump sum price for Test Holes.

Trench Dam: Measurement for this item will be per each.

Force Account: The item shall conform to Section 1-09.6 of the Standard Specifications.

“ \_\_\_\_-inch x \_\_\_\_inch Tapping Sleeve, installed”. Measurement for this item shall be per each.

#### **7-09.5 Payment**

*This section is revised to read:*

Payment will be made in accordance with Section 1-04.1, for each of the following Bid items that are included in the Proposal:

“Trench shoring”, per linear foot.

The single lineal foot measurement will be full pay for both sides of the trench that is shored. Over-excavation to bypass the use of a shoring/shielding is not considered a safety system and no payment will be made.

“ \_\_\_\_-inch Ductile Iron Pipe, (Push-On Joint/mechanical joint), ANSI/AWWA, C151, Special Thickness Class No. 52, to furnish, lay and test” per linear foot.

The unit contract price per linear foot for each size “ \_\_\_\_-inch Ductile Iron Pipe, (Push-On Joint/mechanical joint), ANSI/AWWA, C151, Special Thickness Class No. 52, to furnish, lay and test” shall be full pay for all labor and materials to complete the installation of the water main including but not limited to furnishing, laying, jointing pipe, gaskets, gland/bolt kits testing, flushing, disinfecting the pipeline and cleanup.

Payment for restoration will be made under the applicable items shown in the Proposal. If no pay items for restoration are included in the Proposal, restoration shall be considered incidental to the work of constructing the water main, and all costs thereof shall be included in the unit contract price for “ \_\_\_\_-inch Ductile Iron Pipe,(Push-On Joint,/mechanical joint), ANSI/AWWA, C151, Special Thickness Class No. 52, to furnish, lay and test”.

“Extra Trench Excavation and Disposal” per Cubic Yard

The unit contract price for “Extra Trench Excavation and Disposal” shall be full pay for extra trench excavation and disposal as defined in Section 7-09.3(7)C and will be

measured by the cubic yard of material removed. This bid item shall also include the corresponding amount of CSTC, Gravel Backfill Pipe Zone Bedding, as applicable, installed and compacted, for trench backfill.

The unit contract price for “Crushed Surfacing Top Course (CSTC) per section 9-03.9(3) of the \_\_\_\_\_ WSDOT Standard Specifications, for shoulder restoration as directed by Tacoma Water Inspector”, shall be full pay for all labor, equipment and materials required for furnishing and installing the specified item including delivery, spreading, compacting and rolling

“\_\_\_\_\_ -inch Ductile Iron Reducer, \_\_\_\_\_ M.J. with concrete anchor, (dwg.17-56-1) installed”, per each.

The unit contract price for “\_\_\_\_\_ -inch Ductile Iron Reducer, \_\_\_\_\_ M.J. with concrete anchor, (dwg.17-56-1) installed”, shall be full pay for all labor, equipment and materials required for furnishing and installing these items including concrete anchor, gaskets and gland/bolts kits.

“\_\_\_\_\_ -inch Ductile Iron (*fitting*), M.J. \_\_\_\_\_ installed”, per each.

The unit contract price for “\_\_\_\_\_ -inch Ductile Iron (*fitting*), M.J. \_\_\_\_\_ installed” shall be full pay for all labor, equipment and materials required for furnishing and installing these items including gaskets and gland/bolts kits.

“\_\_\_\_\_ -inch Ductile Iron (*cap/plug*), M.J., tapped \_\_\_\_\_ -inch, installed & removed”, per each.

The unit contract price for “\_\_\_\_\_ -inch Ductile Iron (*cap/plug*), M.J., tapped \_\_\_\_\_ -inch, installed & removed” shall be full pay for all labor, equipment and materials required for furnishing, installing and removing these items including gaskets gland/bolts kits.

“\_\_\_\_\_ -inch Ductile Iron (*Cap/plug*), M.J., tapped \_\_\_\_\_ -inch, installed”, per each.

The unit contract price for “\_\_\_\_\_ -inch Ductile Iron (*cap/plug*), M.J., tapped \_\_\_\_\_ -inch, installed” shall be full pay for all labor, equipment and materials required for furnishing, and installing these items including gaskets gland/bolts kits.

“\_\_\_\_\_ -inch Transition Coupling with \_\_\_\_\_ -inch center ring, \_\_\_\_\_ coating, and \_\_\_\_\_ bolts, \_\_\_\_\_ to D.I.”, per each.

The unit contract price for “\_\_\_\_\_ -inch Transition Coupling with \_\_\_\_\_ -inch center ring, \_\_\_\_\_ coating, and \_\_\_\_\_ bolts, \_\_\_\_\_ to D.I.”, shall be full pay for all labor, equipment and materials required for furnishing and installing these items.

“\_\_\_\_\_ -inch End Cap Coupling tapped \_\_\_\_\_ -inch, with \_\_\_\_\_ inch center ring, \_\_\_\_\_ coating, and \_\_\_\_\_ bolts,” per each.

The unit contract price for “\_\_\_\_\_ -inch End Cap Coupling tapped \_\_\_\_\_ -inch, with \_\_\_\_\_ inch center ring, \_\_\_\_\_ coating, and \_\_\_\_\_ bolts,” shall be full pay for all labor, equipment and materials required for furnishing and installing these items.

“Temporary \_\_\_\_-inch End Cap Coupling tapped \_\_\_\_-inch, with \_\_\_\_inch center ring, \_\_\_\_ coating, and \_\_\_\_ bolts, installed and removed,” per each.

The unit contract price for “Temporary \_\_\_\_-inch End Cap Coupling tapped \_\_\_\_-inch, with \_\_\_\_inch center ring, \_\_\_\_ coating, and \_\_\_\_ bolts, installed and removed,” shall be full pay for all labor, equipment and materials required for furnishing, installing and removing these items.

“ \_\_\_\_-inch Blow-Off Assembly, installed”, per each.

The unit contract price bid per each for “ \_\_\_\_-inch Blow-Off Assembly, installed” shall be full pay for all work to install the blow-off assembly per drawing 17-56-1, including but not limited to excavating, backfilling, laying and jointing pipe, pipe and fittings, valve box, meter box, and cleanup. Bid item to include raising valve box to finished grade per drawing 17-56-1, and to include concrete pad and asphalt patch at valve box.

“Temporary \_\_\_\_-inch Blow-Off Assembly, installed & removed”, per each.

The unit contract price bid per each for “Temporary \_\_\_\_-inch Blow-Off - Assembly, installed & removed” shall be full pay for all work to install the blow-off assembly per dwg. 17-56-1, including but not limited to excavating, backfilling, laying and jointing pipe, pipe and fittings, gate valve, meter box, cleanup and removal.

“ \_\_\_\_-inch Mechanical Joint Restraining Gland, installed”, per each.

The unit contract price for “ \_\_\_\_-inch Mechanical Joint Restraining Gland, installed “, shall be full pay for all labor, equipment and materials required for furnishing and installing the specified item.

“ \_\_\_\_-inch Push-On Joint Restraining Gasket, installed”, per each.

The unit contract price for “ \_\_\_\_-inch Push-On Joint Restraining Gasket, installed“, shall be full pay for all labor, equipment and materials required for furnishing and installing the specified item.

“Concrete Thrust Anchor, installed”, per each.

The unit contract price for “Concrete Thrust Anchor, installed” shall be full pay for all labor, equipment and materials required for furnishing and installing the specified item.

“Concrete Thrust Anchor with Hair Pins and min. one CY Concrete, installed”, per each

The unit contract price for “Concrete Thrust Anchor with Hair Pins and min. one CY Concrete, installed” shall be full pay for all labor, equipment and materials required for furnishing and installing the specified item. Hairpins to be supplied by Tacoma Water.

“Temporary Concrete Thrust Anchor, installed & removed”, per each.

The unit contract price for “Temporary Concrete Thrust Anchor, installed & removed”, shall be full pay for all labor, equipment and materials required for furnishing, installing and removing the specified item.

“Trench Compaction Test (as directed by the inspector)”, per each.

The unit contract price for “Trench Compaction Test (as directed by the inspector)”, shall be for passing compaction test as per section 7-09.3(11), by a licensed company in the presence of Tacoma Water Construction Inspector, and shall be measured per each passed test.

“Trench Dam”, per each.

The unit contract price for “Trench Dam” shall be full pay for all labor and materials required to install trench dams on water main as directed by Engineer or as shown on approved plans, per City of Tacoma Standard Plan SU-33. Bid item shall include furnishing and installing polyethylene sleeve on main, as well as furnishing and installing CDF, Trench Excavation and Disposal, Crushed Surfacing Top Course (CSTC) for Trench Backfill, and compaction of trench backfill.

“Test Holes”, per lump sum.

The lump sum contract price for “Test Holes” shall be full pay for all labor, equipment and materials required to perform the specified excavations including all flagging required to field verify existing utilities, Trench Excavation and Disposal, Crushed Surfacing Top Course (CSTC) for Trench Backfill, and compaction of trench backfill. Progress payment will be made based on the percentage completion of the total work encompassed within the lump sum item.

“ \_\_\_\_-inch x \_\_\_\_inch Tapping Sleeve, installed”. per each.

The unit contract price for “ \_\_\_\_-inch x \_\_\_\_inch Tapping Sleeve, installed” shall be full pay for all labor, equipment and materials required for furnishing and installing the specified item.

## **END OF SECTION**

### **7-10 VACANT**

*This section including heading is revised to read:*

### **7-10 Casing Pipe for Water Main, Sewer, or Side Sewer**

#### **7-10.1 Description**

When the inspector determines it is necessary for the new water main to be installed beneath an existing sanitary sewer or side sewer, at the direction of the inspector both the new water main and the sanitary sewer or side sewer shall be installed within a casing pipe extending a minimum of 10 feet either side of the crossing. See detail on plan sheet.

## 7-10.2 Material

### 7-10.2(1) Casing Pipe

In each location where a casing pipe is necessary, the casing pipe shall be a continuous 20 foot length of \_\_\_\_" PVC Pipe, AWWA C900, DR-25.

The following table lists the water main, sewer, or side sewer sizes and their corresponding casing size:

Pipe Size	Casing Size
6" DI	12"
8" DI	14"
10" DI	18"

### 7-10.2(2) Casing Spacers

Casing spacers shall be a minimum of 8-inches wide and shall be fabricated with runner heights to provide a standard carrier pipe configuration. The spacers shall be constructed of a coated steel band with 2-inch glass reinforced plastic runners. The casing spacers shall be Model C8G-2 as manufactured by Pipeline Seal and Insulator (PSI) Company, Inc. or approved equal. The contractor shall be responsible for sizing insulators to provide required clearance of pipe bells and to properly fit the carrier pipe.

### 7.10.2(3) End Seals

The end seals shall be rubber seals with stainless steel straps and shall be Model W by Pipeline Seal and Insulator (PSI) Company, Inc. or approved equal.

## 7-10.4 Measurement

Measurement for \_\_\_\_-inch PVC Casing Pipe, AWWA C900/C905, DR-25, 20-foot minimum length, including end seals and casing spacers shall be per each, installed on water main, sanitary sewer, or side sewer.

## 7-10.5 Payment

"\_\_\_\_-inch PVC Casing Pipe, AWWA C900/C905, DR-25, 20-foot minimum length, including end seals and casing spacers", per each.

The unit contract price for "\_\_\_\_-inch PVC Casing Pipe, AWWA C900/C905, DR-25, 20-foot minimum length, including end seals and casing spacers" shall be full pay for all labor, equipment and materials to provide a fully functional casing pipe in place as shown on the plans. The item shall include all costs for installing and assembling all components necessary to install water main, sanitary sewer, or side sewer, within casing pipe to the line and grade shown in the plans. Costs for Trench excavation and Backfill, CSTC for trench backfill, and compaction of trench backfill, to install the casing pipe shall be included in the unit contract price for this item.

**END OF SECTION**

**7-12 VALVES FOR WATER MAINS**

**7-12.2 Materials**

*This material list in this section is supplemented with the following:*

Check Valves 9-30.3(2)

**7-12.4 Measurement**

*This section is supplemented with the following:*

Measurement for \_\_\_\_\_-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box, will be per each.

Measurement for \_\_\_\_\_ - inch Butterfly Valve, M.J., ANSI/AWWA, C504, with C.I. Valve Box, will be per each

Measurement for \_\_\_\_\_-inch Tapping Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box, will be per each.

**7-12.5 Payment**

*This section is supplemented with the following:*

“ \_\_\_\_\_-inch Gate Valve, M.J., ANSI/AWWA, C-509/515, with C.I. Valve Box”, per each.

The unit bid price for “ \_\_\_\_\_-inch Gate Valve, M.J., ANSI/AWWA, C509/515, with C.I. Valve Box, installed, per each”, shall be full pay for all labor, equipment and materials required to furnish and install this item. Bid item to include raising valve box to finished grade per drawing 17-56-1, and to include concrete pad and asphalt patch at valve box.

“ \_\_\_\_\_-inch Butterfly Valve, M.J., ANSI/AWWA, C504, with C.I. Valve Box, per each.

The unit bid price for “ \_\_\_\_\_-inch Butterfly Valve, M.J., ANSI/AWWA, C504, with C.I. Valve Box” shall be full pay for all labor, equipment and materials required to furnish and install valve. Bid item to include raising valve box to finished grade per drawing 17-56-1, and to include concrete pad and asphalt patch at valve box.

“ \_\_\_\_\_-inch Tapping Gate Valve, M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box”, per each.

The unit contract price for “ \_\_\_\_\_-inch Tapping Gate Valve, M.J., ANSI/AWWA, C509/C515, with C.I. Valve Box, in place” shall be full pay for all labor, equipment and materials required for furnishing, installing and tapping. Bid item to include raising valve box to finished grade per drawing 17-56-1, and to include concrete pad and asphalt patch at valve box.

**END OF SECTION**

## **7-14 HYDRANTS**

### **7-14.3(1) Setting Hydrants**

*The second paragraph is revised to read:*

All hydrants shall be set on concrete blocks as shown on standard detail 17-56-1. The hydrant barrel drain shall waste into a pit of porous gravel material meeting specification 9-03.12(5), and situated at the base of the hydrant as shown on standard detail 17-56-1.

*This section is supplemented with the following:*

Hydrant installation will conform to AWWA and DIPRA standards, and drawing 17-56-1. No barrel extensions will be approved for new installations. The Contractor is responsible for ensuring the proper bury of hydrant for grade is installed.

### **7-14.3(2)A Hydrant Restraints**

*This section is supplemented with the following:*

Only approved restraining glands will be installed for hydrant restraints, unless shackle rods are specified. No poured concrete thrust block will be placed on the back side of the fire hydrants. If the hydrant lateral is longer than one full length of pipe, either mechanical joint (MJ) pipe, approved push-on joint restraining gaskets or a ductile iron solid sleeve with restraining glands will be installed to ensure correct location and restraint of hydrant.

### **7-14.3(2)C Hydrant Guard Posts**

*This section is supplemented with the following:*

Guard posts will be installed as per drawing 17-56-1.

### **7-14.3(4) Moving Existing Hydrants**

*This section is supplemented with the following:*

The Engineer and/or Inspector will determine if the existing hydrant lateral tee will be removed and replaced with new pipe or plugged, depending on type of pipe and joint.

### **7-14.3(6) Hydrant Extensions**

*This section is revised to read:*

No hydrant barrel extensions are approved on new installations.

### **7-14.3(7) Removing Abandoned Hydrants**

*This section is added with the following:*

The Contractor shall remove existing abandoned fire hydrants which were taken out of service by this project or as noted to be removed on plans. Abandoned fire hydrants shall be removed at the foot, laterals plugged and fire hydrants delivered to the Tacoma Water Storeroom at South 35<sup>th</sup> Street and Union Avenue. All labor and equipment costs are incidental to the contract.

#### **7-14.4 Measurement**

*This section is supplemented with the following:*

Measurement of hydrants will be made per each, per bury length.

Measurement of Hydrant Guard Post installed per standard drawing 17-56-1, will be made per each.

#### **7-14.5 Payment**

*This section is supplemented with the following:*

“6-inch Hydrant, M.J., \_\_\_\_-ft. bury, with \_\_\_\_-inch \_\_\_\_\_ Threads & \_\_\_\_-inch Quick Connect Coupling”, per each.

The unit bid price for “6-inch Hydrant, M.J., \_\_\_\_-ft. bury, with \_\_\_\_-inch \_\_\_\_\_ Threads & \_\_\_\_-inch Quick Connect Coupling”, shall be full pay for all labor, equipment and materials required for furnishing and installing the hydrant including drain rock and hydrant block. Restraining glands, \_\_\_\_\_ gaskets, lateral pipe, tee, and valve will be paid under separate bid items.

“Hydrant Guard Post installed”, per each.

The unit bid price for “Hydrant Guard Post installed”, shall be full pay for all labor, equipment and materials required to fabricate and install hydrant guard post per drawing 17-56-1 and as directed by Tacoma Water Construction Inspector.

### **END OF SECTION**

#### **7-15 SERVICE CONNECTIONS**

*This section is supplemented with the following:*

There are **10** water service transfers throughout the project. Tacoma Water will commence with service transfers following the successful completion of testing and sampling the new water main. The Contractor shall anticipate down time waiting for Tacoma Water crews to complete service transfers. For water services two inches and smaller, the Contractor shall anticipate one working day per **2** services for Tacoma Water crews to complete service transfers. For water services larger than 2- inches, the Contractor shall anticipate one and one half working days per service for Tacoma Water crews to complete service transfers. All costs shall be included in the various bid items in the proposal and no extra compensation will be made to the Contractor for down time due to work by City forces. No time will be charged towards the contract’s time of completion while services are being transferred.

Please note; service transfer work by Tacoma Water will not commence until such time as the section of water main has been placed into service and the trench has been successfully backfilled, as demonstrated through receipt of successful compaction test results for that portion of water main to be placed in service.

For water service transfers:

- For water services two inches and smaller, the Contractor shall anticipate one working day per service for Tacoma Water crews to complete service transfers.



- For water services larger than 2- inches, the Contractor shall anticipate one and one half working days per service for Tacoma Water crews to complete service transfers.

## END OF SECTION

### 7-17 SANITARY SEWERS

#### 7-17.3 Construction Requirements

*This section is supplemented with the following:*

Sanitary sewers may be encountered at various locations throughout this project. Prior to the start of the sanitary sewer repair, the Inspector and/or Contractor shall notify, Tacoma Public Works Inspector. C900 PVC shall be used on sanitary repairs. The repair of the sewer shall be made three feet outside of the water main trench or to the limits and material standards of Washington State Department of Ecology, Criteria for Sewer Works Design, section C1-9.1.4 If the sewer pipe falls into the unusual condition as specified by the Washington State Department of Ecology, Criteria for Sewer Works Design, sections C1-9.1.4 Unusual Conditions (Perpendicular), sub-section A, the sewer pipe shall comply with the requirements of a full length of pipe centered over the water main to the material standards of Table C1-4. No additional compensation shall be made for the extended connection and material. Mechanical couplings (Romac or equivalent) shall be installed at both ends of the sewer restoration forming a rigid connection between the new and existing pipe. Rigid PVC slip couplings for PVC pipe and Romac mechanical style for concrete pipe only. Repair/replacement/restoration will be at the inspector's discretion and in accordance with Washington State Department of Ecology, Criteria for Sewer Works Design, sections C1-8 and C1-9.

#### 7-17.4 Measurement

*This section is revised to read:*

“Storm, Sanitary, and Side Sewer Restoration” will be measured per each.

#### 7-17.5 Payment

*This section is revised to read:*

“Storm, Sanitary, and Side Sewer Restoration”, per each.

The unit bid price for “Storm, Sanitary, and Side Sewer Restoration”, includes all labor and materials required to remove and replace storm, sanitary, and side sewers. This is a per each bid item that includes all costs but is not limited to pipe, fittings, pea gravel, labor, and equipment, etc. to repair sewers, as well as Trench Excavation and Disposal, Crushed Surfacing Top Course (CSTC) for Trench Backfill, and compaction of Trench backfill.

## END OF SECTION

### 7-18 SIDE SEWERS

#### 7-18.3 Construction Requirements

*This section is supplemented with the following:*

Side sewers may be encountered at various locations throughout this project. Prior to the start of the sanitary side sewer repair, the Inspector and/or Contractor shall notify Tacoma Public Works Inspector. C900 PVC shall be used on side sewer repairs. The repair of the side sewer shall be made three feet outside of the water main trench or to the limits and material standards of Washington State Department of Ecology, Criteria for Sewer Works Design, section C1-9.1.4 If the side sewer pipe falls into the unusual condition as specified by the Washington State Department of Ecology, Criteria for Sewer Works Design, sections C1-9.1.4 Unusual Conditions (Perpendicular), sub-section A, the side sewer pipe shall comply with the requirements of a full length of pipe centered over the water main to the material standards of Table C1-4. No additional compensation shall be made for the extended connection and material. Mechanical couplings (Romac or equivalent) shall be installed at both ends of the sewer restoration forming a rigid connection between the new and existing pipe. Rigid PVC slip couplings for PVC pipe and Romac mechanical style for concrete pipe only. Repair/replacement/restoration will be at the inspector's discretion and in accordance with Washington State Department of Ecology, Criteria for Sewer Works Design, sections C1-8 and C1-9.

#### **7-18.4 Measurement**

*This section is revised to read:*

“Storm, Sanitary, and Side Sewer Restoration”, will be measured per each.

#### **7-18.5 Payment**

*This section is revised to read:*

“Storm, Sanitary, and Side Sewer Restoration”, per each.

The unit bid price for “Storm, Sanitary, and Side Sewer Restoration”, includes all labor and materials required to remove and replace storm, sanitary, and side sewers. This is a per each bid item that includes all costs but is not limited to pipe, fittings, pea gravel, labor, and equipment, etc. to repair sewers.

### **END OF SECTION**

## **8-01 Erosion Control and Water Pollution**

### **8-01.3(1) General**

#### **NPDES Construction Storm Water Permit**

**(SEE ELSEWHERE IN CONTRACT DOCUMENTS)**

### **8-01.3(1)C Water Management**

**(SEE ELSEWHERE IN CONTRACT DOCUMENTS)**

**8-01.3(8) STREET CLEANING**

*This section is revised to read:*

Self-propelled pickup and vacuum street sweepers shall be used, whenever required by the Engineer to prevent transport of sediment and other debris off the project site. Street sweepers without vacuums will not be allowed. Street sweepers shall be designed and operated to meet air quality standards.

**8-01.4 Measurement**

*The sixth sentence is replaced with the following:*

Street cleaning with self-propelled pickup and vacuum street sweeper equipment will be measured by the hour for the actual time spent cleaning pavement, as authorized by the Inspector. Time to move the equipment to or from the area on which street cleaning is required will not be measured.

**8-01.5 Payment**

*The tenth sentence is replaced with the following:*

“Street cleaning with Self-propelled pickup and vacuum street sweeper equipment”, per hour.

The unit bid price for “Street cleaning with self-propelled pickup and vacuum street sweeper equipment” will be for a self-propelled pickup and vacuum street sweeper and operator.

**8-04 CURBS, GUTTERS, AND SPILLWAYS**

**8-04.1 Construction Requirements**

*This section is supplemented with the following:*

“Cement Concrete Traffic Curb and Gutter” shall be constructed per City of Tacoma Standard Plan SU-03, a copy of which is attached to this specification.

**8-04.3(1) Cement Concrete Curbs, Gutters, and Spillways**

*The first paragraph is revised to read:*

Cement concrete curb, curb and gutters, gutters, and spillways shall be constructed with air entrained concrete Class 3000 conforming to the requirements of Section 6-02.

**8-04.3(1)B Integral Cement Concrete Curb**

When integral curb is being constructed with the pavement, fresh concrete for the integral curb shall be placed at such time as will enable the top section of the curb to be consolidated, finished, and bonded to the pavement slab while the concrete is plastic.

Where curb is not being placed integral with the pavement slab, reinforcing steel dowels shall be placed in the base section for the curb in accordance with the standard drawing.

#### **8-04.3(6) Cold Weather Work**

The following additional requirements for placing concrete shall be in effect from November 1 to April 1:

- The Engineer shall be notified at least 24 hours prior to placement of concrete.
- All concrete placement shall be completed no later than 2:00 p.m. each day.
- Where forms have been placed and the subgrade has been subjected to frost, no concrete shall be placed until the ground is completely thawed. At the time, the forms shall be adjusted and subgrade repaired as determined by the Engineer.

#### **8-04.4 Measurement**

*This section is supplemented with the following:*

“Cement Conc. Traffic Curb and Gutter” will be measured by the linear foot along the line and slope of the completed curb and gutter including bends.

#### **8-04.5 Payment**

*This section is supplemented with the following:*

“Cement Conc. Traffic Curb and Gutter”, per linear foot.

“Cement Conc. Pedestrian Curb”, per linear foot

The unit bid price for “Cement Conc. Traffic Curb and Gutter”, includes all costs for excavation, grading, preparation, forms, forming, placement, finishing, protection during curing and cleanup, labor, equipment, and material necessary to construct the cement concrete traffic curb and gutter per referenced detail plan, a copy of which is attached to this specification.

The unit bid price for “Cement Conc. Pedestrian Curb” includes all costs for excavation, grading, preparation, forms, forming, placement, finishing protection during curing and cleanup, labor, equipment, and material necessary to construct the pedestrian curb per referenced detail plan, copy of which is attached to this specification.

### **END OF SECTION**

## **8-06 CEMENT CONCRETE DRIVEWAY ENTRANCES**

### **8-06.3 Construction Requirements**

*This section is supplemented with the following:*

Driveways shall be constructed in accordance with City of Tacoma Public Works Standard Plans SU-07. SU-08 and SU-09.

## END OF SECTION

### 8-14 CEMENT CONCRETE SIDEWALKS

#### 8-14.1 Description

*This section is supplemented with the following:*

The cement concrete sidewalks shall be constructed in accordance with Tacoma Public Works Standard Plan(s) SU-04, SU-05 and SU-05a.

#### 8-14.4 Measurement

*This section is revised to read:*

Cement concrete sidewalks will be measured by the square yard of finished Surface and will include the surface area of the sidewalk ramps. Installation of ramp detectable warning shall be included and considered incidental to the contract.

#### 8-14.5 Payment

*This section is revised to read:*

“Cement Conc. Sidewalk”, per square yard.

“Cement Conc. Curb Ramp Type \_\_\_\_”, per each

The unit bid price for “Cement Conc. Sidewalk”, per square yard, shall be full payment for all labor, equipment, tools, and materials required to install cement concrete sidewalk per City of Tacoma Public Works Standard Plans No. SU-04, SU-05 & SU-05a” includes all costs for excavation, saw cutting, grading, preparation, forms, forming, placement, finishing, protection during curing and cleanup.

The unit Contract price per each for “Cement Conc. Curb Ramp Type\_\_\_\_” shall be full pay for installing the curb ramp as specified, including the “Detectable Warning Surface”. The unit bid price for “Cement Conc. Curb Ramp Type\_\_\_\_” shall be full payment of all labor, equipment, tools, and materials required to install cement concrete ramps per City of Tacoma Right-of-Way Design Manual Section 7-Curb Ramps.

## END OF SECTION

### 9-03 AGGREGATES

#### 9-03.21 Recycled Material

*This section is supplemented with the following:*

No recycled material shall be used for trench backfill of water main.

## END OF SECTION

### 9-30 WATER DISTRIBUTION MATERIALS

*The first paragraph of this section is revised to read:*

This specification addresses pipe and appurtenances 24-inch in diameter and smaller. Water distribution material incorporated in the work shall be new. Prior to construction, the Contractor shall submit 3 copies of material submittals to the Engineer for approval.

#### 9-30.1(1) Ductile Iron Pipe

*This section is revised to read:*

Ductile iron pipe shall be centrifugally cast and meet the requirements of AWWA C151. Ductile iron pipe shall have a cement mortar lining meeting the requirements of AWWA C104. Ductile iron pipe shall be a minimum of Special Thickness Class 52 and manufactured by the following:

- Tyton Joint:
  - Pacific States Cast Iron Pipe Company
  - U.S. Pipe and Foundry Company
- Fastite Joint:•
  - American Cast Iron Pipe Company
- Mechanical Joint:
  - American Cast Iron Pipe Company
  - Pacific States Cast Iron Pipe Company
  - U.S. Pipe and Foundry Company

Non-restrained joints shall be rubber gasket, push-on type, or mechanical type meeting the requirements of AWWA C111.

Restrained joints shall be as specified in Section 9-30.2(6).

\*Note: When Tacoma Water Plans and Special Provisions require push-on joints to be restrained with nitrile gaskets, only American Ductile Iron Pipe and Fastite Fast-Grip® restraining gaskets are allowed.

#### 9-30.1(3) Rubber Gaskets

*This section is added with the following:*

All gaskets furnished with pipe shall be styrene butadiene rubber (SBR), unless specified otherwise by the project engineer. When deemed necessary, "Nitrile" (NBR) gaskets will be required. When NBR gaskets are required they must be color-coded and/or marked in color so as to be easily identifiable as nitrile. When nitrile push-on joint restraining gaskets are required, they shall be Fastite Fast-Grip® manufactured by American Cast Iron Pipe Company or approved equal. All gaskets must conform to ANSI/AWWA C111. The gasket requirements for the specific project will be indicated on the face of the plan for the project.

#### 9-30.2 Fittings

*This section is revised to read:*

Ductile iron flanges and flanged ductile iron spool pieces shall be in accordance with ANSI/AWWA C 115.

Gaskets for steel flanged joints shall be cloth inserted rubber made by Johns-Manville, JM-109 or approved equal.

Unless specified otherwise, all T-head bolts and nuts supplied for mechanical joint fittings, valves, sleeves, couplings, hydrants, tapping sleeves, etc., shall be made of high-strength, low alloy steel, conforming to ANSI/AWWA C111 (Corrosion-Resistant Steel "Cor-Ten"). All other bolts and nuts shall be hot dipped galvanized or electroplated and conform to ASTM A 307, Grade B.

All bolts shall be of sufficient length that, when assembled and tightened to proper torque, a minimum of one thread will extend outside of the nut.

Tie rods and nuts for hydrant laterals, etc., shall be made of high strength, low alloy steel conforming to ANSI/AWWA C111 ("Cor-Ten"), unless specified otherwise in the plans or Special Provisions.

All ductile iron fittings shall conform to the latest ANSI/AWWA C110 Specifications or ANSI/AWWA C153 for Mechanical Joint Compact Ductile Iron Class 350 fittings. All fittings shall have either cement-mortar lining conforming to ANSI/AWWA C104 or fusion bonded epoxy internal lining per ANSI/AWWA C153. Mechanical joint glands supplied with the above fittings shall be ductile iron in accordance with the above specifications. The mechanical joint fittings/pipe shall be installed and the bolts tightened in the sequence and to the torque specified in DIPRA published by the Ductile Iron Pipe Research Association. Type of joints or other special items shall be specified in section 7-10 or on the Tacoma Water Plans.

### **9-30.2(6) Restrained Joints**

*This section is supplemented with the following:*

Mechanical joint restraint shall be incorporated in the design of the follower gland and shall include a restraining mechanism which, when actuated, imparts multiple wedging action against the pipe, increasing its resistance as the pressure increases. Joint flexibility shall be maintained after burial. Glands shall be manufactured of ductile iron conforming to ASTM A 536-80. Dimensions of the gland shall be such that it can be used with the standardized mechanical joint bell and tee-head bolts conforming to ANSI/AWWA C111/A21.11 and ANSI/AWWA C153/A21.53. Twist-off nuts, sized same as tee-head bolts, shall be used to insure proper actuating of restraining devices. The mechanical joint restraint device shall have a working pressure of at least 250-psi with a minimum safety factor of 2:1 and shall be manufactured by:

- EBAA Iron, Inc., MEGALUG,
- Romac "RomaGrip"
- Uniflange Series 1400
- Stargrip® series 3000
- Tyler Union "TUF Grip Series 1000"
- or approved equal

Tyton joint restraint shall be made with Field-Lok 350® restraining gaskets or approved equal. Fastite joint restraint shall be made with Fast-Grip® restraining gaskets or approved equal.

### **9-30.2(7) Bolted, Sleeve Type Couplings for Plain End Pipe**

*The first two sentences in this section are revised to read:*

Bolted, sleeve-type couplings, reducing couplings, or transition couplings will be mechanical style flexible coupling meeting AWWA C219, with minimum 7 inch center ring, epoxy coating, and stainless steel nuts and bolts.

End Cap Couplings will be mechanical style flexible coupling meeting AWWA C219, with minimum 7 inch center ring, epoxy coating, stainless steel nuts and bolts, and tapped 2-inch.

### **9-30.3(1) Gate Valves (3 inches to 16 inches)**

*This section is revised to read:*

The end flanges of flanged gate valves shall conform in dimensions and drilling to the Standard ANSI B16.1 for cast iron flanges and flanged fittings, Class 125 unless specifically provided otherwise in plans or supplementary specifications. The bolt holes shall straddle the vertical centerline.

All gate valves shall be resilient seat and shall comply with the ANSI/AWWA standard as listed below:

All Resilient Seat Gate Valves shall conform to the latest revision of AWWA Standard C-509/515 and be UL listed, FM approved. They shall be as manufactured by:

- American Flow "Series 2500"
- AVK-series 25 or 65
- Clow model "2638, 2639 and 2640"
- Kennedy model "KS-FW" and "KS-RW"
- M&H: Style "4067"
- M&H: Style "7000 series"
- Mueller Style "2360"
- NIBCO 619-RW Series
- US Pipe "Metroseal 250"
- East Jordan "Flowmaster"
- or approved equal

All Resilient Seat Gate Valves shall meet the following requirements:

- Shall have the body and bonnet coated with a fusion bonded epoxy coating meeting all the application and performance requirements of AWWA C-550.
- All gate valve ends shall be as shown on the Tacoma Water Plans and conform to the applicable ANSI/AWWA standard. Flanged ends shall conform to ANSI B16.1 class 125 or C110 A21.10. Mechanical joint and push-on joint must conform to ANSI/AWWA C111, A21.11.



- All bonnet and packing nuts and bolts shall be stainless steel.

#### **9.30.3(4) Valve Boxes**

*This section is revised in its entirety with the following:*

Cast iron valve boxes and lids shall be as indicated on the attached Tacoma Water Drawing No. 17-56-1. All buried valves shall be provided with a valve box and lid with an extension of cast iron soil pipe as necessary. The Contractor shall maintain the location and provide access to all valves within the project. No valve shall remain buried during construction.

#### **9-30.3(8) Tapping Sleeve and Valve Assembly**

*The fourth sentence is revised to read:*

Valves specifically designed for tapping meeting the requirement of AWWA C500, and valves meeting the requirements of AWWA C509/C515 will be permitted. All nuts and bolts shall be stainless steel.

*The sixth sentence is revised to read:*

Tapping sleeves shall be ductile iron, mechanical joint type or the fabricated steel type, whichever is specified in the bid proposal.

*This section is supplemented with the following:*

The fabricated steel sleeves shall have epoxy coating and stainless steel bolts and shall be:

- Model JCM 412 manufactured by JCM Industries\*
- Model JCM 414 manufactured by JCM Industries
- Model FTS 420 manufactured by Romac Industries, Inc\*
- SST III manufactured by Romac Industries, Inc.
- Smith Blair Style 623
- or approved equal

\*Models JCM 412 and FTS 420 will only be allowed when tapping ductile iron pipe and the size of the tap is **less than half** of the size of the pipe being tapped.

Ductile iron, mechanical joint sleeves shall be:

- Model H-615 manufactured by Mueller Co.
- Model H-619 manufactured by Mueller Co.
- Or approved equal.

#### **9-30.5 Hydrants**

*This section is revised to read:*

Fire hydrants furnished under these Specifications shall conform to the ANSI/AWWA C502, Specifications for Dry-Barrel Fire Hydrants, with the following limitations and exceptions, and be installed per Tacoma Water Drawing 17-56-1.

- a. **Drawings** - Drawings of adequate size showing principal dimensions, material and finish shall be furnished with the bid for fire hydrants not listed below as acceptable.
- b. **Make –**
  - Clow “Medallion”
  - Kennedy “Guardian K81D”
  - M&H 929, “Reliant” (casting date of 1997 or later.)
  - Mueller "Super Centurion 250"
  - U.S. Pipe "M-94"
  - Waterous “Pacer/WB67-250, Tacoma”
- c. **Capacity** - Standard size - two-hose and one-pumper nozzle.
- d. **Size** - Standard size shall be 5-1/4-inch main valve with 6-inch inlet bell. All hose nozzles shall be 2-1/2 inches. Unless otherwise indicated in the special Provisions and/or the Drawings, all pumper nozzles and quick connect fittings shall be as specified on standard drawing 17-56-1.
- e. **Length** - Contractor shall verify proper depth of bury of fire hydrant prior to installation.
- f. **Hydrant Inlet** - All hydrants shall be provided with mechanical joint inlet.
- g. **Operating Mechanism** - All moving contact surfaces shall be bronze on bronze or bronze on iron or steel as may be approved by the Superintendent. The hydrants shall have the main valve seat threaded into a bronze sub-seat in the shoe of the hydrant to permit easy removal of the main valve seat. The bronze sub seat shall be; threaded into the shoe of the fire hydrant, or the sub seat shall be attached to the shoe of the fire hydrant independently from the barrel to shoe connection.
- h. **Direction of Opening** - All hydrants shall open by turning the operating nut to the left (counter-clockwise).
- i. **Hydrant Barrels** - All hydrant barrels shall have a flange located at least 2 inches above the finished grade line and flanged extension sections shall be available in increments of 6 inches.
- j. **Operating Nuts for Stem and Nozzle Caps** - The operating stem and cap nut shall be pentagonal in shape. The pentagon shall measure 1.35 inches from the point to the flat, at the base of the nut and 1.23 inches at the top. The faces shall be tapered uniformly and the height of the nut shall not be less than 1.0 inches. The point to the flat dimension shall be measured to the theoretical point where the faces would intersect were there no rounding off of the corners. All nozzles shall be fitted with cast iron threaded caps with operating nut of the same design and proportions as the stem nut. Caps shall be threaded to fit the corresponding nozzles and shall be fitted with suitable gaskets for positive water tightness.
- k. **Fire Hydrant Quick Connect Coupling –** The fire hydrant quick Connect Coupling (aka Storz Coupling) shall be in compliance with the latest version of “NFPA 1963, for non-threaded Metal-Faced Hydrant Connections”. The size of the Quick Connect Coupling and hydrant pumper nozzle threads will be as shown on standard drawing 17-56-1.
- l. **Nuts and Bolts-** All nuts and bolts below ground level shall be stainless steel.

**9-30.5(2) Hydrant Dimensions**

*This section is revised to read:*

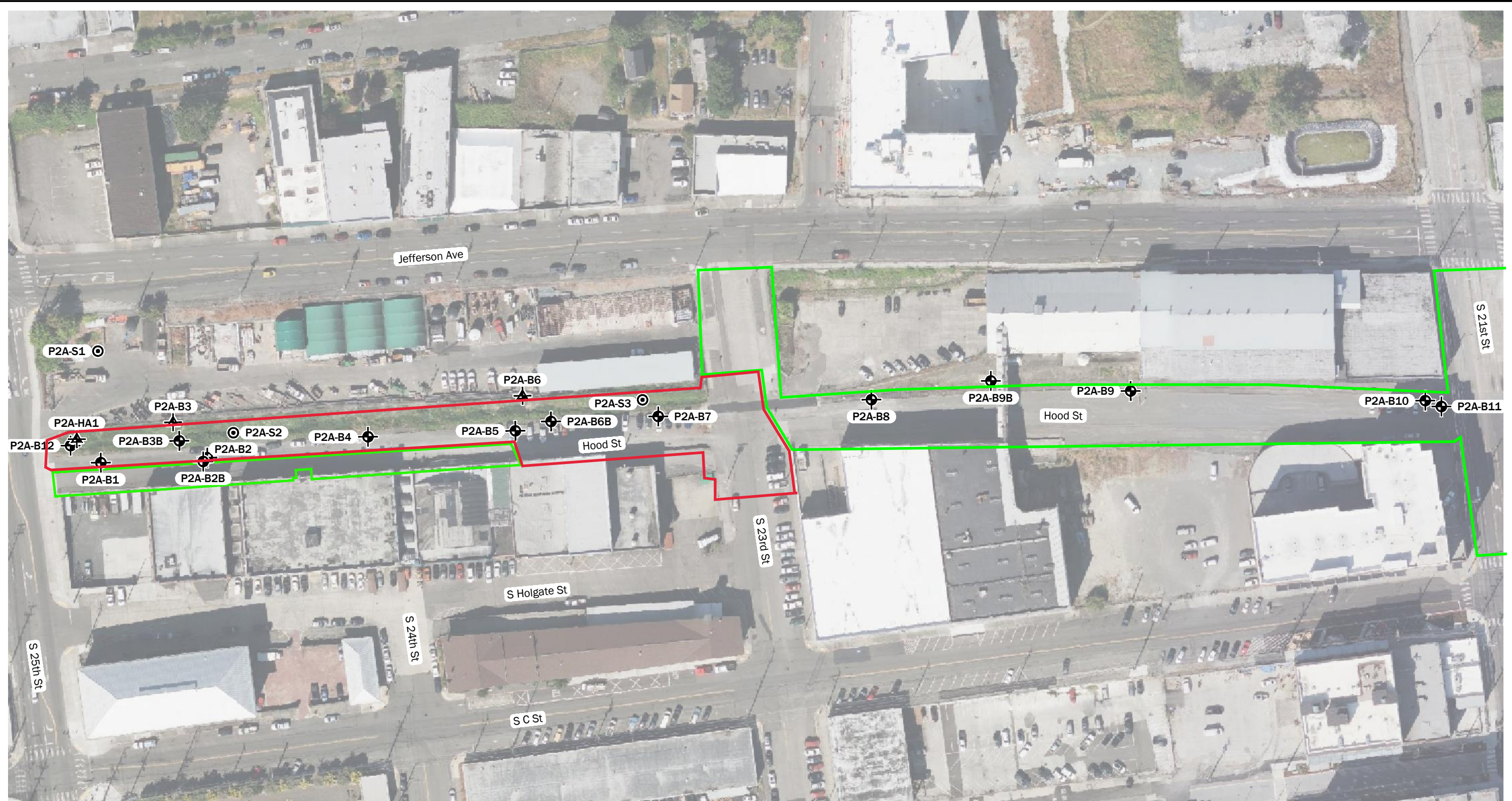
Hydrant connection D.I. Pipe ins. dia.	6-inch
Standard, minimum dia.	6-7/8 inch
Length of 4.5 ft. bury, hydrant from bottom of hydrant connection to sidewalk ring.	4 feet, 8 inches
Valve opening minimum dia.	5-1/4 inches
Hose Nozzles-number and size	2 - 2-1/2-inch
Thread (Nat. Board Fire Underwriters)	7-1/2 per inch
Outside dia. Finished	3-1/16 inch
Dia. at root of thread	2.8715 inch
Pattern of thread	60° V thread
Total length of threaded male Nipple	1-inch
Pumper Nozzles-number and size	1 - 4-inch
Thread, outside dia. finished (with .02" cut off top)	5.09-inch
Dia. at root of thread (with .02" left in valley)	4.74-inch
Threads (Tacoma Std.)	4 per inch
Pattern of thread-modified	60° V thread
Total length of threaded male nipple	1-1/8-inch

**9-30.5(3) Hydrant Extensions**

*This paragraph is revised to read:*

No hydrant barrel extensions are approved on new installations.

**END OF SECTION**

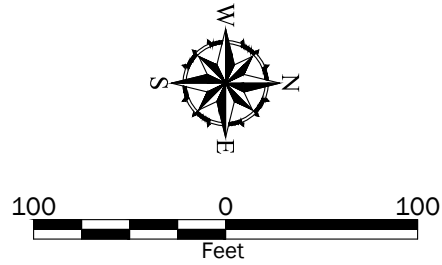


P:\0\0570133\CAD\03\CID Request Letter\057013303\_F02\_Site Plan.dwg F02 Date Exported:9/6/2022 3:40 PM - by Chad Sticker

**Notes:**  
 1. The locations of all features shown are approximate.  
 2. This drawing is for information purposes. It is intended to assist in showing features discussed in an attached document. GeoEngineers, Inc. cannot guarantee the accuracy and content of electronic files. The master file is stored by GeoEngineers, Inc. and will serve as the official record of this communication.

Data Source: Aerial from MicroSoft Bing.  
 Projection: WA State Plane, South Zone, NAD83, US Foot

- Legend**
- SMA 1
  - SMA 2
  - P2A-B9B Boring by GeoEngineers, Inc., 2015 and 2022
  - P2A-B6 Hand Auger by GeoEngineers, Inc., 2015
  - P2A-S3 Seep Sample by GeoEngineers, Inc., 2015



<b>Site Plan</b>	
Prairie Line Trail Soil CID Request Letter Hood Street - South 25th Street to South 21st Street Tacoma, Washington	
	<b>Figure 1</b>

**SOIL CLASSIFICATION CHART**

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY SOILS	CLEAN GRAVELS <small>(LITTLE OR NO FINES)</small>		<b>GW</b>	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		<b>GP</b>	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
		GRAVELS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		<b>GM</b>	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
	SAND AND SANDY SOILS	CLEAN SANDS <small>(LITTLE OR NO FINES)</small>		<b>SW</b>	WELL-GRADED SANDS, GRAVELLY SANDS
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		<b>SP</b>	POORLY-GRADED SANDS, GRAVELLY SAND
		SANDS WITH FINES <small>(APPRECIABLE AMOUNT OF FINES)</small>		<b>SM</b>	SILTY SANDS, SAND - SILT MIXTURES
FINE GRAINED SOILS	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		<b>ML</b>	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
				<b>CL</b>	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				<b>OL</b>	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		<b>MH</b>	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
				<b>CH</b>	INORGANIC CLAYS OF HIGH PLASTICITY
				<b>OH</b>	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIGHLY ORGANIC SOILS				<b>PT</b>	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

**Sampler Symbol Descriptions**

- 2.4-inch I.D. split barrel / Dames & Moore (D&M)
- Standard Penetration Test (SPT)
- Shelby tube
- Piston
- Direct-Push
- Bulk or grab
- Continuous Coring

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

"P" indicates sampler pushed using the weight of the drill rig.

"WOH" indicates sampler pushed using the weight of the hammer.

NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

**ADDITIONAL MATERIAL SYMBOLS**

SYMBOLS		TYPICAL DESCRIPTIONS
GRAPH	LETTER	
	<b>AC</b>	Asphalt Concrete
	<b>CC</b>	Cement Concrete
	<b>CR</b>	Crushed Rock/ Quarry Spalls
	<b>SOD</b>	Sod/Forest Duff
	<b>TS</b>	Topsoil

**Groundwater Contact**



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

**Graphic Log Contact**



Distinct contact between soil strata



Approximate contact between soil strata

**Material Description Contact**



Contact between geologic units



Contact between soil of the same geologic unit

**Laboratory / Field Tests**

- %F Percent fines
- %G Percent gravel
- AL Atterberg limits
- CA Chemical analysis
- CP Laboratory compaction test
- CS Consolidation test
- DD Dry density
- DS Direct shear
- HA Hydrometer analysis
- MC Moisture content
- MD Moisture content and dry density
- Mohs Mohs hardness scale
- OC Organic content
- PM Permeability or hydraulic conductivity
- PI Plasticity index
- PL Point load test
- PP Pocket penetrometer
- SA Sieve analysis
- TX Triaxial compression
- UC Unconfined compression
- UU Unconsolidated undrained triaxial compression
- VS Vane shear

**Sheen Classification**

- NS No Visible Sheen
- SS Slight Sheen
- MS Moderate Sheen
- HS Heavy Sheen

**Key to Exploration Logs**

Drilled	Start 8/1/2022	End 8/1/2022	Total Depth (ft)	4	Logged By Checked By	KRA JAK	Driller	Holocene Drilling	Drilling Method	Direct Push
Surface Elevation (ft) Vertical Datum	125 NAVD88				Hammer Data	Pneumatic			Drilling Equipment	GeoProbe
Latitude Longitude	47.239137 -122.438238				System Datum	Decimal Degrees WGS84			Groundwater not observed at time of exploration	
Notes:										

Elevation (feet)	FIELD DATA					Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Interval Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing						
0		24					SP-SM	Black fine to coarse sand with silt and gravel (moist fill)			Slight organic odor
					P2A-B3B-4.0				NS	<1	

Note: See Figure A-1 for explanation of symbols.  
 Coordinates Data Source: Horizontal approximated based on Google Earth. Vertical approximated based on Google Earth.

**Log of Boring P2A-B3B**



Project: PLT Phase 2 - City of Tacoma  
 Project Location: Tacoma, Washington  
 Project Number: 0570-133-04

Date: 11/17/22 Path: P:\0570133\GINT\057013304.GPJ DBLibrary\Library\GEOENGINEERS\_DF\_STD\_US\_JUNE\_2017.GLB\GEB\_ENVIRONMENTAL\_STANDARD\_NO\_GW

Drilled	Start 8/1/2022	End 8/1/2022	Total Depth (ft)	4	Logged By Checked By	KRA JAK	Driller	Holocene Drilling	Drilling Method	Direct Push
Surface Elevation (ft) Vertical Datum	118 NAVD88				Hammer Data	Pneumatic			Drilling Equipment	GeoProbe
Latitude Longitude	47.240189 -122.438359				System Datum	Decimal Degrees WGS84			Groundwater not observed at time of exploration	
Notes:										

Elevation (feet)	Depth (feet)	FIELD DATA					Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
		Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing							
0		24					SP-SM	Black fine sand with silt, trace clay and trace gravel (moist) (fill)				
115									NS	<1		

Note: See Figure A-1 for explanation of symbols.  
 Coordinates Data Source: Horizontal approximated based on Google Earth. Vertical approximated based on Google Earth.

**Log of Boring P2A-B6B**



Project: PLT Phase 2 - City of Tacoma  
 Project Location: Tacoma, Washington  
 Project Number: 0570-133-04

Date: 11/17/22 Path: P:\0570133\GINT\057013304.GPJ DBLibrary\Library\GEOENGINEERS\_DF\_STD\_US\_JUNE\_2017.GLB\GEB\_ENVIRONMENTAL\_STANDARD\_NO\_GW

Drilled	Start 8/1/2022	End 8/1/2022	Total Depth (ft)	4	Logged By Checked By	KRA JAK	Driller	Holocene Drilling	Drilling Method	Direct Push
Surface Elevation (ft) Vertical Datum	107 NAVD88				Hammer Data	Pneumatic			Drilling Equipment	GeoProbe
Latitude Longitude	47.241433 -122.438514				System Datum	Decimal Degrees WGS84			Groundwater not observed at time of exploration	
Notes:										

Elevation (feet)	FIELD DATA					Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing						
0		30				GP	Gravel				
						SP-SM	Brown fine to coarse sand with silt and trace gravel (dry) (fill)				
						SP	Brown fine to coarse sand with gravel (dry) (fill)				
105						SP-SM	Black to black and brown sand with silt and trace gravel (moist) (fill)				
									NS	<1	

Note: See Figure A-1 for explanation of symbols.  
 Coordinates Data Source: Horizontal approximated based on Google Earth. Vertical approximated based on Google Earth.

**Log of Boring P2A-B9B**



Project: PLT Phase 2 - City of Tacoma  
 Project Location: Tacoma, Washington  
 Project Number: 0570-133-04

Figure A-5  
 Sheet 1 of 1

Date: 11/17/22 Path: P:\0570133\GINT\057013304.GPJ DBLibrary\Library\GEOENGINEERS\_DF\_STD\_US\_JUNE\_2017.GLB\GEB\_ENVIRONMENTAL\_STANDARD\_NO\_GW



Drilled	Start 8/1/2022	End 8/1/2022	Total Depth (ft)	15	Logged By Checked By	KRA JAK	Driller	Holocene Drilling	Drilling Method	Direct Push
Surface Elevation (ft) Vertical Datum	99 NAVD88			Hammer Data	Pneumatic			Drilling Equipment	GeoProbe	
Latitude Longitude	47.242665 -122.438389			System Datum	Decimal Degrees WGS84			Groundwater not observed at time of exploration		
Notes:										

Elevation (feet)	FIELD DATA					Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing					
0		36				AC	Approximately 6 inches asphalt concrete pavement			No odor in black unit
						GP	Dark brown sandy gravel (dry) (fill)			
						SP	Black fine to coarse sand with gravel (dry) (fill)			
95						ML	Tan silt (moist) (fill)			
5		60			P2A-B11-5.0	SP-SM	Brown sand with silt and occasional gravel (moist) (fill)	NS	<1	
90						GP	Gray-brown sandy gravel (moist) (fill)	NS	<1	
10		60			P2A-B11-10.0					
85										
15					P2A-B11-15.0					

Note: See Figure A-1 for explanation of symbols.  
 Coordinates Data Source: Horizontal approximated based on Google Earth. Vertical approximated based on Google Earth.

**Log of Boring P2A-B11**



Project: PLT Phase 2 - City of Tacoma  
 Project Location: Tacoma, Washington  
 Project Number: 0570-133-04

Date: 11/17/22 Path: P:\0570133\GINT\057013304.GPJ DBLibrary\Library\GEOENGINEERS\_DF\_STD\_US\_JUNE\_2017.GLB\GEB\_ENVIRONMENTAL\_STANDARD\_NO\_GW

Drilled	Start 8/1/2022	End 8/1/2022	Total Depth (ft)	10	Logged By Checked By	KRA JAK	Driller	Holocene Drilling	Drilling Method	Direct Push
Surface Elevation (ft) Vertical Datum	128 NAVD88			Hammer Data	Pneumatic			Drilling Equipment	GeoProbe	
Latitude Longitude	47.238804 -122.438196			System Datum	Decimal Degrees WGS84			Groundwater not observed at time of exploration		
Notes:										

Elevation (feet)	FIELD DATA					Graphic Log	Group Classification	MATERIAL DESCRIPTION	Sheen	Headspace Vapor (ppm)	REMARKS
	Depth (feet)	Interval Recovered (in)	Blows/foot	Collected Sample	Sample Name Testing						
0	24					GP	Approximately 2 inches gravel				
						SP	Brown fine to coarse sand with trace gravel (moist) (fill) /				
						SP-SM	Black fine to coarse sand with silt and gravel (moist) (fill)				
125											
5	48			P2A-B12-5.0				SS	<1		
						SP	Gray sand with trace silt (wet)				
						SP-SM	Gray sand with silt and gravel (moist)				
120											
10				P2A-B12-10.0				NS	1.2		

Note: See Figure A-1 for explanation of symbols.  
 Coordinates Data Source: Horizontal approximated based on Google Earth. Vertical approximated based on Google Earth.

**Log of Boring P2A-B12**



Project: PLT Phase 2 - City of Tacoma  
 Project Location: Tacoma, Washington  
 Project Number: 0570-133-04

Date: 11/17/22 Path: P:\0570133\GINT\057013304.GPJ DBLibrary\Library\GEOENGINEERS\_DF\_STD\_US\_JUNE\_2017.GLB\GEB\_ENVIRONMENTAL\_STANDARD\_NO\_GW

"General Decision Number: WA20220001 12/23/2022  
 Superseded General Decision Number: WA20210001  
 State: Washington  
 Construction Type: Highway  
 Counties: Washington Statewide.  
 HIGHWAY (Excludes D.O.E. Hanford Site in Benton and Franklin  
 Counties)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60).

If the contract is entered  into on or after January 30,  2022, or the contract is  renewed or extended (e.g., an  option is exercised) on or  after January 30, 2022:	. Executive Order 14026  generally applies to the  contract.  . The contractor must pay  all covered workers at  least \$15.00 per hour (or  the applicable wage rate  listed on this wage  determination, if it is  higher) for all hours  spent performing on the  contract in 2022.
If the contract was awarded on  or between January 1, 2015 and  January 29, 2022, and the  contract is not renewed or  extended on or after January  30, 2022:	. Executive Order 13658  generally applies to the  contract.  . The contractor must pay all  covered workers at least  \$11.25 per hour (or the  applicable wage rate listed  on this wage determination,  if it is higher) for all  hours spent performing on  that contract in 2022.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Modification Number	Publication Date
0	01/07/2022
1	02/18/2022
2	02/25/2022
3	03/18/2022
4	04/29/2022
5	06/24/2022
6	07/22/2022
7	08/05/2022
8	09/09/2022
<b>9</b>	<b>12/23/2022</b>

CARP0003-006 06/01/2021

SOUTHWEST WASHINGTON: CLARK, COWLITZ, KLICKITAT, LEWIS(Piledriver only), PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to Willapa Bay to the Pacific Ocean), SKAMANIA, and WAHAKIYAKUM Counties.

	Rates	Fringes
Carpenters:		
CARPENTERS.....	\$ 44.38	16.87
DIVERS TENDERS.....	\$ 49.09	16.87
DIVERS.....	\$ 93.09	16.87
DRYWALL.....	\$ 44.38	16.87
MILLWRIGHTS.....	\$ 46.89	16.87
PILEDRIVERS.....	\$ 44.97	16.87

DEPTH PAY:  
50 TO 100 FEET \$1.00 PER FOOT OVER 50 FEET  
101 TO 150 FEET \$1.50 PER FOOT OVER 101 FEET  
151 TO 200 FEET \$2.00 PER FOOT OVER 151 FEET

Zone Differential (Add up Zone 1 rates):  
Zone 2 - \$0.85  
Zone 3 - 1.25  
Zone 4 - 1.70  
Zone 5 - 2.00  
Zone 6 - 3.00

BASEPOINTS: ASTORIA, LONGVIEW, PORTLAND, THE DALLES, AND VANCOUVER, (NOTE: All dispatches for Washington State Counties: Cowlitz, Wahkiakum and Pacific shall be from Longview Local #1707 and mileage shall be computed from that point.)

ZONE 1: Projects located within 30 miles of the respective city hall of the above mentioned cities  
 ZONE 2: Projects located more than 30 miles and less than 40 miles of the respective city of the above mentioned cities  
 ZONE 3: Projects located more than 40 miles and less than 50 miles of the respective city of the above mentioned cities  
 ZONE 4: Projects located more than 50 miles and less than 60 miles of the respective city of the above mentioned cities.  
 ZONE 5: Projects located more than 60 miles and less than 70 miles of the respective city of the above mentioned cities  
 ZONE 6: Projects located more than 70 miles of the respected city of the above mentioned cities

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 CARP0030-004 06/01/2021

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM Counties

	Rates	Fringes
CARPENTER		
BRIDGE CARPENTERS.....	\$ 49.18	19.01
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 47.02	19.01
CARPENTERS.....	\$ 49.18	19.01
DIVERS TENDER.....	\$ 54.54	19.01
DIVERS.....	\$ 103.43	19.01
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 50.68	19.01
PILEDRIIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 49.58	19.01

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIIVERS

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$ .70/hour
Over 45 radius miles	\$1.50/hour

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 CARP0059-002 06/01/2019

ADAMS, ASOTIN, BENTON, CHELAN (East of 120th meridian), COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT (East of 120th meridian), KITTITAS (East of 120th meridian), LINCOLN, OKANOGAN (East of 120th meridian), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, and YAKIMA (East of 120th meridian) Counties

	Rates	Fringes
CARPENTER		
GROUP 1.....	\$ 35.47	16.88
GROUP 2.....	\$ 47.42	18.96
GROUP 3.....	\$ 36.66	16.88
GROUP 4.....	\$ 36.66	16.88
GROUP 5.....	\$ 83.96	16.88
GROUP 6.....	\$ 40.23	16.88
GROUP 7.....	\$ 41.23	16.88
GROUP 8.....	\$ 37.66	16.88
GROUP 9.....	\$ 44.23	16.88

CARPENTER & DIVER CLASSIFICATIONS:

GROUP 1: Carpenter

GROUP 2: Millwright, Machine Erector

GROUP 3: Piledriver - includes driving, pulling, cutting, placing collars, setting, welding, or creosote treated material, on all piling

GROUP 4: Bridge, Dock, and Wharf carpenters

GROUP 5: Diver Wet

GROUP 6: Diver Tender, Manifold Operator, ROV Operator

GROUP 7: Diver Standby

GROUP 8: Assistant Diver Tender, ROV Tender/Technician

GROUP 9: Manifold Operator-Mixed Gas

ZONE PAY:

ZONE 1	0-45 MILES	FREE
ZONE 2	45-100	\$4.00/PER HOUR
ZONE 3	OVER 100 MILES	\$6.00/PER HOUR

DISPATCH POINTS:

CARPENTERS/MILLWRIGHTS: PASCO (515 N Neel Street) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS/PILEDRIIVER: SPOKANE (127 E. AUGUSTA AVE.) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: WENATCHEE (27 N. CHELAN) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: COEUR D' ALENE (1839 N. GOVERNMENT WAY) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

CARPENTERS: MOSCOW (306 N. JACKSON) or Main Post Office of established residence of employee (Whichever is closest to the worksite).

DEPTH PAY FOR DIVERS BELOW WATER SURFACE:

50-100 feet \$2.00 per foot  
 101-150 feet \$3.00 per foot  
 151-220 feet \$4.00 per foot  
 221 feet and deeper \$5.00 per foot

PREMIUM PAY FOR DIVING IN ENCLOSURES WITH NO VERTICAL ASCENT:

0-25 feet Free  
 26-300 feet \$1.00 per Foot

SATURATION DIVING:

The standby rate applies until saturation starts. The saturation diving rate applies when divers are under pressure continuously until work task and decompression are complete. the diver rate shall be paid for all saturation hours.

WORK IN COMBINATION OF CLASSIFICATIONS:

Employees working in any combination of classifications within the diving crew (except dive supervisor) in a shift are paid in the classification with the highest rate for that shift.

HAZMAT PROJECTS:

Anyone working on a HAZMAT job (task), where HAZMAT certification is required, shall be compensated at a premium, in addition to the classification working in as follows:

LEVEL D + \$.25 per hour - This is the lowest level of protection. No respirator is used and skin protection is minimal.

LEVEL C + \$.50 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B + \$.75 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit".

LEVEL A +\$1.00 per hour - This level utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line.

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CARP0770-003 06/01/2021

WEST OF 120TH MERIDIAN FOR THE FOLLOWING COUNTIES:  
CHELAN, DOUGLAS, GRANT, KITTITAS, OKANOGAN, and YAKIMA

	Rates	Fringes
CARPENTER		
CARPENTERS ON CREOSOTE		
MATERIAL.....	\$ 47.02	19.01
CARPENTERS.....	\$ 49.18	19.01
DIVERS TENDER.....	\$ 54.54	19.01
DIVERS.....	\$ 103.43	19.01
MILLWRIGHT AND MACHINE		
ERECTORS.....	\$ 50.68	19.01
PILEDRIVER, DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING OR CRESOTE TREATED		
MATERIAL, ALL PILING.....	\$ 49.58	19.01

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - ALL CLASSIFICATIONS EXCEPT MILLWRIGHTS AND PILEDRIVERS



Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Seattle	Olympia	Bellingham
Auburn	Bremerton	Anacortes
Renton	Shelton	Yakima
Aberdeen-Hoquiam	Tacoma	Wenatchee
Ellensburg	Everett	Port Angeles
Centralia	Mount Vernon	Sunnyside
Chelan	Pt. Townsend	

Zone Pay:

0 -25 radius miles	Free
26-35 radius miles	\$1.00/hour
36-45 radius miles	\$1.15/hour
46-55 radius miles	\$1.35/hour
Over 55 radius miles	\$1.55/hour

(HOURLY ZONE PAY: WESTERN AND CENTRAL WASHINGTON - MILLWRIGHT AND PILEDRIVER ONLY)

Hourly Zone Pay shall be computed from Seattle Union Hall, Tacoma City center, and Everett City center

Zone Pay:

0 -25 radius miles	Free
26-45 radius miles	\$ .70/hour
Over 45 radius miles	\$1.50/hour

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ELEC0046-001 08/01/2022

CALLAM, JEFFERSON, KING AND KITSAP COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 72.29	27.07
ELECTRICIAN.....	\$ 65.72	26.87

-----  
\* ELEC0048-003 01/01/2022

CLARK, KLICKITAT AND SKAMANIA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 53.85	26.54

HOURLY ZONE PAY:

Hourly Zone Pay shall be paid on jobs located outside of the free zone computed from the city center of the following listed cities:

Portland, The Dalles, Hood River, Tillamook, Seaside and Astoria

Zone Pay:

Zone 1: 31-50 miles \$1.50/hour  
 Zone 2: 51-70 miles \$3.50/hour  
 Zone 3: 71-90 miles \$5.50/hour  
 Zone 4: Beyond 90 miles \$9.00/hour

\*These are not miles driven. Zones are based on Delorme Street Atlas USA 2006 plus.

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 ELEC0048-029 01/01/2022

COWLITZ AND WAHKIAKUM COUNTY

	Rates	Fringes
CABLE SPLICER.....	\$ 44.22	21.50
ELECTRICIAN.....	\$ 53.85	26.54

-----  
 ELEC0073-001 07/01/2022

ADAMS, FERRY, LINCOLN, PEND OREILLE, SPOKANE, STEVENS, WHITMAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 34.10	16.68
ELECTRICIAN.....	\$ 41.30	20.09

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 ELEC0076-002 08/31/2022

GRAYS HARBOR, LEWIS, MASON, PACIFIC, PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 53.15	23.81
ELECTRICIAN.....	\$ 53.47	24.73

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 ELEC0112-005 06/01/2022

ASOTIN, BENTON, COLUMBIA, FRANKLIN, GARFIELD, KITTITAS, WALLA WALLA, YAKIMA COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 54.34	24.26
ELECTRICIAN.....	\$ 51.75	24.18

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 ELEC0191-003 06/01/2020

ISLAND, SAN JUAN, SNOHOMISH, SKAGIT AND WHATCOM COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 44.23	17.73
ELECTRICIAN.....	\$ 47.95	26.16

ELEC0191-004 06/01/2018

CHELAN, DOUGLAS, GRANT AND OKANOGAN COUNTIES

	Rates	Fringes
CABLE SPLICER.....	\$ 40.82	17.63
ELECTRICIAN.....	\$ 42.45	21.34

ENGI0302-003 06/01/2022

CHELAN (WEST OF THE 120TH MERIDIAN), CLALLAM, DOUGLAS (WEST OF THE 120TH MERIDIAN), GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, KITTITAS, MASON, OKANOGAN (WEST OF THE 120TH MERIDIAN), SAN JUNA, SKAGIT, SNOHOMISH, WHATCOM AND YAKIMA (WEST OF THE 120TH MERIDIAN) COUNTIES

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
Group 1A.....	\$ 54.20	24.47
Group 1AA.....	\$ 54.98	24.47
Group 1AAA.....	\$ 55.78	24.47
Group 1.....	\$ 53.40	24.47
Group 2.....	\$ 52.72	24.47
Group 3.....	\$ 52.12	24.47
Group 4.....	\$ 48.78	24.47

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) - \$1.00  
 Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: Aberdeen, Bellingham, Bremerton, Everett, Kent, Mount Vernon, Port Angeles, Port Townsend, Seattle, Shelton, Wenatchee, Yakima

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1AAA - Cranes-over 300 tons, or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes 200 to 300 tons, or 250 ft of boom (including jib with attachments); Tower crane over 175 ft in height, base to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons, under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead 6 yards to, but not including 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9, HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self propelled 45 yards and over; Slipform pavers; Transporters, all truck or track type

GROUP 2 - Barrier machine (zipper); Batch Plant Operaor-Concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-overhead, bridge type-20 tons through 44 tons; Chipper; Concrete Pump-truck mount with boom attachment; Crusher; Deck Engineer/Deck Winches (power); Drilling machine; Excavator, shovel, backhoe-3yards and under; Finishing Machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Horizontal/directional drill operator; Loaders-overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics-all; Mixers-asphalt plant; Motor patrol graders-finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self propelled, hard tail end dump, articulating off-road equipment-under 45 yards; Subgrade trimmer; Tractors, backhoes-over 75 hp; Transfer material service machine-shuttle buggy, blaw knox-roadtec; Truck crane oiler/driver-100 tons and over; Truck Mount portable conveyor; Yo Yo Pay dozer

GROUP 3 - Conveyors; Cranes-thru 19 tons with attachments; A-frame crane over 10 tons; Drill oilers-auger type, truck or crane mount; Dozers-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loader-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pumps-concrete; Roller, plant mix or multi-lift materials; Saws-concrete; Scrpers-concrete and carry-all; Service engineer-equipment; Trenching machines; Truck Crane Oiler/Driver under 100 tons; Tractors, backhoe 75 hp and under

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete finish machine-laser screed; Cranes-A frame-10 tons and under; Elevator and Manlift-permanent or shaft type; Gradechecker, Stakehop; Forklifts under 3000 lbs. with attachments; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger, mechanical; Power plant; Pumps, water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

HANDLING OF HAZARDOUS WASTE MATERIALS:

Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing

H-2 Class "C" Suit - Base wage rate plus \$ .25 per hour.

H-3 Class "B" Suit - Base wage rate plus \$ .50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$ .75 per hour.

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ENGI0370-002 06/01/2021

ADAMS, ASOTIN, BENTON, CHELAN (EAST OF THE 120TH MERIDIAN), COLUMBIA, DOUGLAS (EAST OF THE 120TH MERIDIAN), FERRY, FRANKLIN, GARFIELD, GRANT, LINCOLN, OKANOGAN (EAST OF THE 120TH MERIDIAN), PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA (EAST OF THE 120TH MERIDIAN) COUNTIES

ZONE 1:

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 29.76	20.65
GROUP 2.....	\$ 30.08	20.65
GROUP 3.....	\$ 30.69	20.65
GROUP 4.....	\$ 30.85	20.65
GROUP 5.....	\$ 31.01	20.65
GROUP 6.....	\$ 31.21	20.65
GROUP 7.....	\$ 31.56	20.65
GROUP 8.....	\$ 32.66	20.65

ZONE DIFFERENTIAL (Add to Zone 1 rate): Zone 2 - \$2.00

Zone 1: Within 45 mile radius of Spokane, Pasco, Washington;

Lewiston, Idaho

Zone 2: Outside 45 mile radius of Spokane, Pasco, Washington; Lewiston, Idaho

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bit Grinders; Bolt Threading Machine; Compressors (under 2000 CFM, gas, diesel, or electric power); Deck Hand; Fireman & Heater Tender; Hydro-seeder, Mulcher, Nozzleman; Oiler Driver, & Cable Tender, Mucking Machine; Pumpman; Rollers, all types on subgrade, including seal and chip coatings (farm type, Case, John Deere & similar, or Compacting Vibrator), except when pulled by Dozer with operable blade; Welding Machine; Crane Oiler-Driver (CLD required) & Cable Tender, Mucking Machine

GROUP 2: A-frame Truck (single drum); Assistant Refrigeration Plant (under 1000 ton); Assistant Plant Operator, Fireman or Pugmixer (asphalt); Bagley or Stationary Scraper; Belt Finishing Machine; Blower Operator (cement); Cement Hog; Compressor (2000 CFM or over, 2 or more, gas diesel or electric power); Concrete Saw (multiple cut); Distributor Leverman; Ditch Witch or similar; Elevator Hoisting Materials; Dope Pots (power agitated); Fork Lift or Lumber Stacker, hydra-lift & similar; Gin Trucks (pipeline); Hoist, single drum; Loaders (bucket elevators and conveyors); Longitudinal Float; Mixer (portable-concrete); Pavement Breaker, Hydra-Hammer & similar; Power Broom; Railroad Ballast Regulation Operator (self-propelled); Railroad Power Tamper Operator (self-propelled); Railroad Tamper Jack Operator (self-propelled); Spray Curing Machine (concrete); Spreader Box (self-propelled); Straddle Buggy (Ross & similar on construction job only); Tractor (Farm type R/T with attachment, except Backhoe); Tugger Operator

GROUP 3: A-frame Truck (2 or more drums); Assistant Refrigeration Plant & Chiller Operator (over 1000 ton); Backfillers (Cleveland & similar); Batch Plant & Wet Mix Operator, single unit (concrete); Belt-Crete Conveyors with power pack or similar; Belt Loader (Kocal or similar); Bending Machine; Bob Cat (Skid Steer); Boring Machine (earth); Boring Machine (rock under 8 inch bit) (Quarry Master, Joy or similar); Bump Cutter (Wayne, Saginaw or similar); Canal Lining Machine (concrete); Chipper (without crane); Cleaning & Doping Machine (pipeline); Deck Engineer; Elevating Belt-type Loader (Euclid, Barber Green & similar); Elevating Grader-type Loader (Dumor, Adams or similar); Generator Plant Engineers (diesel or electric); Gunnite Combination Mixer & Compressor; Locomotive Engineer; Mixermobile; Mucking Machine; Posthole Auger or Punch; Pump (grout or jet); Soil Stabilizer (P & H or similar); Spreader Machine; Dozer/Tractor (up to D-6 or equivalent) and Traxcavator; Traverse Finish Machine; Turnhead Operator

GROUP 4: Concrete Pumps (squeeze-crete, flow-crete, pump-crete, Whitman & similar); Curb Extruder (asphalt or concrete); Drills (churn, core, calyx or diamond); Equipment Serviceman; Greaser & Oiler; Hoist (2 or more drums or Tower Hoist); Loaders (overhead & front-end, under 4 yds. R/T); Refrigeration Plant Engineer (under 1000 ton); Rubber-tired Skidders (R/T with or without attachments); Surface Heater & Plant Machine; Trenching Machines (under 7 ft. depth capacity); Turnhead (with re-screening); Vacuum Drill (reverse circulation drill under 8 inch bit)

GROUP 5: Backhoe (under 45,000 gw); Backhoe & Hoe Ram (under 3/4 yd.); Carrydeck & Boom Truck (under 25 tons); Cranes (25 tons & under), all attachments including clamshell, dragline; Derricks & Stifflegs (under 65 tons); Drilling Equipment (8 inch bit & over) (Robbins, reverse circulation & similar); Hoe Ram; Piledriving Engineers; Paving (dual drum); Railroad Track Liner Operatr (self-propelled); Refrigeration Plant Engineer (1000 tons & over); Signalman (Whirleys, Highline Hammerheads or similar); Grade Checker

GROUP 6: Asphalt Plant Operator; Automatic Subgrader (Ditches & Trimmers) (Autograde, ABC, R.A. Hansen & similar on grade wire); Backhoe (45,000 gw and over to 110,000 gw); Backhoes & Hoe Ram (3/4 yd. to 3 yd.); Batch Plant (over 4 units); Batch & Wet Mix Operator (multiple units, 2 & incl. 4); Blade Operator (motor patrol & attachments); Cable Controller (dispatcher); Compactor (self-propelled with blade); Concrete Pump Boom Truck; Concrete Slip Form Paver; Cranes (over 25 tons, to and including 45 tons), all attachments including clamshell, dragline; Crusher, Grizzle & Screening Plant Operator; Dozer, 834 R/T & similar; Drill Doctor; Loader Operator (front-end & overhead, 4 yds. incl. 8 yds.); Multiple Dozer Units with single blade; Paving Machine (asphalt and concrete); Quad-Track or similar equipment; Roller (finishing asphalt pavement); Roto Mill (pavement grinder); Scrapers, all, rubber-tired; Screed Operator; Shovel (under 3 yds.); Trenching Machines (7 ft. depth & over); Tug Boat Operator Vector guzzler, super sucker; Lime Batch Tank Operator (REcycle Train); Lime Brain Operator (Recycle Train); Mobile Crusher Operator (Recycle Train)

GROUP 7: Backhoe (over 110,000 gw); Backhoes & Hoe Ram (3 yds & over); Blade (finish & bluetop) Automatic, CMI, ABC, Finish Athey & Huber & similar when used as automatic; Cableway Operators; Concrete Cleaning/Decontamination machine operator; Cranes (over 45 tons to but not including 85 tons), all attachments including clamshell and dragline; Derricks & Stiffleys (65 tons & over); Elevating Belt (Holland type); Heavy equipment robotics operator; Loader (360 degrees revolving Koehring Scooper or similar); Loaders (overhead & front-end, over 8 yds. to 10 yds.); Rubber-tired Scrapers (multiple engine with three or more scrapers); Shovels (3 yds. & over); Whirleys & Hammerheads, ALL; H.D. Mechanic; H.D. Welder; Hydraulic Platform Trailers (Goldhofer, Shaurerly and Similar); Ultra High Pressure Waterjet Cutting Tool System Operator (30,000 psi); Vacuum Blasting Machine Operator

GROUP 8: Cranes (85 tons and over, and all climbing, overhead, rail and tower), all attachments including clamshell, dragline; Loaders (overhead and front-end, 10 yards and over); Helicopter Pilot

BOOM PAY: (All Cranes, Including Tower)  
 180 ft to 250 ft \$ .50 over scale  
 Over 250 ft \$ .80 over scale

NOTE:

In computing the length of the boom on Tower Cranes, they shall be measured from the base of the Tower to the point of the boom.

HAZMAT:

Anyone working on HAZMAT jobs, working with supplied air shall receive \$1.00 an hour above classification.

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 ENGI0612-001 06/01/2020

PIERCE County

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 49.50	22.47
GROUP 1AA.....	\$ 50.22	22.47
GROUP 1AAA.....	\$ 50.94	22.47
GROUP 1.....	\$ 48.77	22.47
GROUP 2.....	\$ 48.15	22.47
GROUP 3.....	\$ 47.60	22.47
GROUP 4.....	\$ 44.55	22.47



Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom  
(including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom  
(including jib with attachments; Tower crane over 175 ft in  
height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom  
(including jib with attachments); Crane-overhead, bridge  
type, 100 tons and over; Tower crane up to 175 ft in height  
base to boom; Loaders-overhead, 8 yards and over; Shovels,  
excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft  
of boom (including jib with attachments); Crane-overhead,  
bridge type, 45 tons thru 99 tons; Derricks on building  
work; Excavator, shovel, backhoes over 3 yards and under 6  
yards; Hard tail end dump articulating off-road equipment  
45 yards and over; Loader- overhead, 6 yards to, but not  
including, 8 yards; Mucking machine, mole, tunnel, drill  
and/or shield; Quad 9 HD 41, D-10; Remote control operator  
on rubber tired earth moving equipment; Rollagon; Scrapers-  
self-propelled 45 yards and over; Slipform pavers;  
Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-  
concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with  
attachments; Crane-Overhead, bridge type, 20 tons through  
44 tons; Chipper; Concrete pump-truck mount with boom  
attachment; Crusher; Deck engineer/deck winches (power);  
Drilling machine; Excavator, shovel, backhoe-3 yards and  
under; Finishing machine, Bidwell, Gamaco and similar  
equipment; Guardrail punch; Loaders, overhead under 6  
yards; Loaders-plant feed; Locomotives-all; Mechanics- all;  
Mixers, asphalt plant; Motor patrol graders, finishing;  
Piledriver (other than crane mount); Roto-mill, roto-  
grinder; Screedman, spreader, topside operator-Blaw Knox,  
Cedar Rapids, Jaeger, Caterpillar, Barbar Green;  
Scraper-self- propelled, hard tail end dump, articulating  
off-road equipment- under 45 yards; Subgrader trimmer;  
Tractors, backhoe over 75 hp; Transfer material service  
machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane  
oiler/driver-100 tons and over; Truck Mount Portable  
Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

HANDLING OF HAZARDOUS WASTE MATERIALS: Personnel in all craft classifications subject to working inside a federally designated hazardous perimeter shall be eligible for compensation in accordance with the following group schedule relative to the level of hazardous waste as outlined in the specific hazardous waste project site safety plan.

H-1 Base wage rate when on a hazardous waste site when not outfitted with protective clothing, Class "D" Suit - Base wage rate plus \$ .50 per hour.

H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

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 ENGI0612-012 06/01/2020

LEWIS, PACIFIC (portion lying north of a parallel line extending west from the northern boundary of Wahkaikum County to the sea) AND THURSTON COUNTIES

ON PROJECTS DESCRIBED IN FOOTNOTE A BELOW, THE RATE FOR EACH GROUP SHALL BE 90% OF THE BASE RATE PLUS FULL FRINGE BENEFITS. ON ALL OTHER WORK, THE FOLLOWING RATES APPLY.

Zone 1 (0-25 radius miles):

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1A.....	\$ 48.41	22.47
GROUP 1AA.....	\$ 49.13	22.47
GROUP 1AAA.....	\$ 49.83	22.47
GROUP 1.....	\$ 47.70	22.47
GROUP 2.....	\$ 47.08	22.47
GROUP 3.....	\$ 46.55	22.47
GROUP 4.....	\$ 43.54	22.47

Zone Differential (Add to Zone 1 rates):

Zone 2 (26-45 radius miles) = \$1.00

Zone 3 (Over 45 radius miles) - \$1.30

BASEPOINTS: CENTRALIA, OLYMPIA, TACOMA

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1 AAA - Cranes-over 300 tons or 300 ft of boom (including jib with attachments)

GROUP 1AA - Cranes- 200 tonsto 300 tons, or 250 ft of boom (including jib with attachments; Tower crane over 175 ft in height, bas to boom

GROUP 1A - Cranes, 100 tons thru 199 tons, or 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 100 tons and over; Tower crane up to 175 ft in height base to boom; Loaders-overhead, 8 yards and over; Shovels, excavator, backhoes-6 yards and over with attachments

GROUP 1 - Cableway; Cranes 45 tons thru 99 tons under 150 ft of boom (including jib with attachments); Crane-overhead, bridge type, 45 tons thru 99 tons; Derricks on building work; Excavator, shovel, backhoes over 3 yards and under 6 yards; Hard tail end dump articulating off-road equipment 45 yards and over; Loader- overhead, 6 yards to, but not including, 8 yards; Mucking machine, mole, tunnel, drill and/or shield; Quad 9 HD 41, D-10; Remote control operator on rubber tired earth moving equipment; Rollagon; Scrapers-self-propelled 45 yards and over; Slipform pavers; Transporters, all track or truck type

GROUP 2 - Barrier machine (zipper); Batch Plant Operator-concrete; Bump Cutter; Cranes, 20 tons thru 44 tons with attachments; Crane-Overhead, bridge type, 20 tons through 44 tons; Chipper; Concrete pump-truck mount with boom attachment; Crusher; Deck engineer/deck winches (power); Drilling machine; Excavator, shovel, backhoe-3 yards and under; Finishing machine, Bidwell, Gamaco and similar equipment; Guardrail punch; Loaders, overhead under 6 yards; Loaders-plant feed; Locomotives-all; Mechanics- all; Mixers, asphalt plant; Motor patrol graders, finishing; Piledriver (other than crane mount); Roto-mill, roto-grinder; Screedman, spreader, topside operator-Blaw Knox, Cedar Rapids, Jaeger, Caterpillar, Barbar Green; Scraper-self-propelled, hard tail end dump, articulating off-road equipment- under 45 yards; Subgrader trimmer; Tractors, backhoe over 75 hp; Transfer material service machine-shuttle buggy, Blaw Knox- Roadtec; Truck Crane oiler/driver-100 tons and over; Truck Mount Portable Conveyor; Yo Yo pay

GROUP 3 - Conveyors; Cranes through 19 tons with attachments; Crane-A-frame over 10 tons; Drill oilers-auger type, truck or crane mount; Dozer-D-9 and under; Forklift-3000 lbs. and over with attachments; Horizontal/directional drill locator; Outside Hoists-(elevators and manlifts), air tuggers, strato tower bucket elevators; Hydralifts/boom trucks over 10 tons; Loaders-elevating type, belt; Motor patrol grader-nonfinishing; Plant oiler- asphalt, crusher; Pump-Concrete; Roller, plant mix or multi-lfit materials; Saws-concrete; Scrapers, concrete and carry all; Service engineers-equipment; Trenching machines; Truck crane oiler/driver under 100 tons; Tractors, backhoe under 75 hp

GROUP 4 - Assistant Engineer; Bobcat; Brooms; Compressor; Concrete Finish Machine-laser screed; Cranes A-frame 10 tons and under; Elevator and manlift (permanent and shaft type); Forklifts-under 3000 lbs. with attachments; Gradechecker, stakehop; Hydralifts/boom trucks, 10 tons and under; Oil distributors, blower distribution and mulch seeding operator; Pavement breaker; Posthole digger-mechanical; Power plant; Pumps-water; Rigger and Bellman; Roller-other than plant mix; Wheel Tractors, farmall type; Shotcrete/gunite equipment operator

FOOTNOTE A- Reduced rates may be paid on the following:

1. Projects involving work on structures such as buildings and bridges whose total value is less than \$1.5 million excluding mechanical, electrical, and utility portions of the contract.
2. Projects of less than \$1 million where no building is involved. Surfacing and paving included, but utilities excluded.
3. Marine projects (docks, wharfs, etc.) less than \$150,000.

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H-2 Class "C" Suit - Base wage rate plus \$1.00 per hour.

H-3 Class "B" Suit - Base wage rate plus \$1.50 per hour.

H-4 Class "A" Suit - Base wage rate plus \$2.00 per hour.

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 ENGI0701-002 01/01/2018

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH), SKAMANIA, AND WAHKIAKUM COUNTIES

POWER EQUIPMENT OPERATORS: ZONE 1

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 41.65	14.35
GROUP 1A.....	\$ 43.73	14.35
GROUP 1B.....	\$ 45.82	14.35
GROUP 2.....	\$ 39.74	14.35
GROUP 3.....	\$ 38.59	14.35
GROUP 4.....	\$ 37.51	14.35
GROUP 5.....	\$ 36.27	14.35
GROUP 6.....	\$ 33.05	14.35

Zone Differential (add to Zone 1 rates):

Zone 2 - \$3.00

Zone 3 - \$6.00

For the following metropolitan counties: MULTNOMAH; CLACKAMAS; MARION; WASHINGTON; YAMHILL; AND COLUMBIA; CLARK; AND COWLITZ COUNTY, WASHINGTON WITH MODIFICATIONS AS INDICATED:

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 Highway 26 and West of Mile Post 30 on Highway 22 and all jobs or projects located in Yamhill County, Washington County and Columbia County and all jobs or projects located in Clark & Cowlitz County, Washington except that portion of Cowlitz County in the Mt. St. Helens "Blast Zone" shall receive Zone I pay for all classifications.

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 II 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 III pay for all classifications.

For the following cities: ALBANY; BEND; COOS BAY; EUGENE; GRANTS PASS; KLAMATH FALLS; MEDFORD; ROSEBURG

All jobs or projects located within 30 miles of the respective city hall of the above mentioned cities shall receive Zone I pay for all classifications.

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 II 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 III pay for all classifications.

#### POWER EQUIPMENT OPERATORS CLASSIFICATIONS

##### Group 1

Concrete Batch Plan and or Wet mix three (3) units or more; Crane, Floating one hundred and fifty (150) ton but less than two hundred and fifty (250) ton; Crane, two hundred (200) ton through two hundred ninety nine (299) ton with two hundred foot (200') boom or less (including jib, inserts and/or attachments); Crane, ninety (90) ton through one hundred ninety nine (199) ton with over two hundred (200') boom Including jib, inserts and/or attachments); Crane, Tower Crane with one hundred seventy five foot (175') tower or less and with less than two hundred foot (200') jib; Crane, Whirley ninety (90) ton and over; Helicopter when used in erecting work

##### Group 1A

Crane, floating two hundred fifty (250) ton and over; Crane, two hundred (200) ton through two hundred ninety nine (299) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Crane, three hundred (300) ton through three hundred ninety nine (399) ton; Crane, Tower Crane with over one hundred seventy five foot (175') tower or over two hundred foot (200') jib; Crane, tower Crane on rail system or 2nd tower or more in work radius

## Group 1B

Crane, three hundred (300) ton through three hundred ninety nine (399) ton, with over two hundred foot (200') boom (including jib, inserts and/or attachments); Floating crane, three hundred fifty (350) ton and over; Crane, four hundred (400) ton and over

## Group 2

Asphalt Plant (any type); Asphalt Roto-Mill, pavement profiler eight foot (8') lateral cut and over; Auto Grader or "Trimmer"; Blade, Robotic; Bulldozer, Robotic Equipment (any type); Bulldozer, over one hundred twenty thousand (120,000) lbs. and above; Concrete Batch Plant and/or Wet Mix one (1) and two (2) drum; Concrete Diamond Head Profiler; Canal Trimmer; Concrete, Automatic Slip Form Paver (Assistant to the Operator required); Crane, Boom Truck fifty (50) ton and with over one hundred fifty foot (150') boom and over; Crane, Floating (derrick barge) thirty (30) ton but less than one hundred fifty (150) ton; Crane, Cableway twenty-five (25) ton and over; Crane, Floating Clamshell three (3) cu. Yds. And over; Crane, ninety (90) ton through one hundred ninety nine (199) ton up to and including two hundred foot (200') of boom (including jib inserts and/or attachments); Crane, fifty (50) ton through eighty nine (89) ton with over one hundred fifty foot (150') boom (including jib inserts and/or attachments); Crane, Whirley under ninety (90) ton; Crusher Plant; Excavator over one hundred thirty thousand (130,000) lbs.; Loader one hundred twenty thousand (120,000) lbs. and above; Remote Controlled Earth Moving Equipment; Shovel, Dragline, Clamshell, five (5) cu. Yds. And over; Underwater Equipment remote or otherwise, when used in construction work; Wheel Excavator any size

## Group 3

Bulldozer, over seventy thousand (70,000) lbs. up to and including one hundred twenty thousand (120,000) lbs.; Crane, Boom Truck fifty (50) ton and over with less than one hundred fifty foot (150') boom; Crane, fifty (50) ton through eighty nine (89) ton with one hundred fifty foot (150') boom or less (including jib inserts and/or attachments); Crane, Shovel, Dragline or Clamshell three (3) cu. yds. but less than five (5) cu. Yds.; Excavator over eighty thousand (80,000) lbs. through one hundred thirty thousand (130,000) lbs.; Loader sixty thousand (60,000) lbs. and less than one hundred twenty thousand (120,000) lbs.

## Group 4

Asphalt, Screed; Asphalt Paver; Asphalt Roto-Mill, pavement profiler, under eight foot (8') lateral cut; Asphalt, Material Transfer Vehicle Operator; Back Filling Machine; Backhoe, Robotic, track and wheel type up to and including twenty thousand (20,000) lbs. with any attachments; Blade (any type); Boatman; Boring Machine; Bulldozer over twenty thousand (20,000) lbs. and more than one hundred (100) horse up to seventy thousand (70,000) lbs.; Cable-Plow (any type); Cableway up to twenty five (25) ton; Cat Drill (John Henry); Chippers; Compactor, multi-engine; Compactor, Robotic; Compactor with blade self-propelled; Concrete, Breaker; Concrete, Grout Plant; Concrete, Mixer Mobile; Concrete, Paving Road Mixer; Concrete, Reinforced Tank Banding Machine; Crane, Boom Truck twenty (20) ton and under fifty (50) ton; Crane, Bridge Locomotive, Gantry and Overhead; Crane, Carry Deck; Crane, Chicago Boom and similar types; Crane, Derrick Operator, under one hundred (100) ton; Crane, Floating Clamshell, Dragline, etc. Operator, under three (3) cu. yds. Or less than thirty (30) ton; Crane, under fifty (50) ton; Crane, Quick Tower under one hundred foot (100') in height and less than one hundred fifty foot (150') jib (on rail included); Diesel-Electric Engineer (Plant or Floating); Directional Drill over twenty thousand (20,000) lbs. pullback; Drill Cat Operator; Drill Doctor and/or Bit Grinder; Driller, Percussion, Diamond, Core, Cable, Rotary and similar type; Excavator Operator over twenty thousand (20,000) lbs. through eighty thousand (80,000) lbs.; Generator Operator; Grade-all; Guardrail Machines, i.e. punch, auger, etc.; Hammer Operator (Piledriver); Hoist, stiff leg, guy derrick or similar type, fifty (50) ton and over; Hoist, two (2) drums or more; Hydro Axe (loader mounted or similar type); Jack Operator, Elevating Barges, Barge Operator, self-unloading; Loader Operator, front end and overhead, twenty five thousand (25,000) lbs. and less than sixty thousand (60,000) lbs.; Log Skidders; Piledriver Operator (not crane type); Pipe, Bending, Cleaning, Doping and Wrapping Machines; Rail, Ballast Tamper Multi-Purpose; Rubber-tired Dozers and Pushers; Scraper, all types; Side-Boom; Skip Loader, Drag Box; Strump Grinder (loader mounted or similar type); Surface Heater and Planer; Tractor, rubber-tired, over fifty (50) HP Flywheel; Trenching Machine three foot (3') depth and deeper; Tub Grinder (used for wood debris); Tunnel Boring Machine Mechanic; Tunnel, Mucking Machine; Ultra High Pressure Water Jet Cutting Tool System Operator; Vacuum Blasting Machine Operator; Water pulls, Water wagons



## Group 5

Asphalt, Extrusion Machine; Asphalt, Roller (any asphalt mix); Asphalt, Roto-Mill pavement profiler ground man; Bulldozer, twenty thousand (20,000) lbs. or less, or one hundred (100) horse or less; Cement Pump; Chip Spreading Machine; Churn Drill and Earth Boring Machine; Compactor, self-propelled without blade; Compressor, (any power) one thousand two hundred fifty (1,250) cu. ft. and over, total capacity; Concrete, Batch Plant Quality control; Concrete, Combination Mixer and compressor operator, gunite work; Concrete, Curb Machine, Mechanical Berm, Curb and/or Curb and Gutter; Concrete, Finishing Machine; Concrete, Grouting Machine; Concrete, Internal Full Slab Vibrator Operator; Concrete, Joint Machine; Concrete, Mixer single drum, any capacity; Concrete, Paving Machine eight foot (8') or less; Concrete, Planer; Concrete, Pump; Concrete, Pump Truck; Concrete, Pumpcrete Operator (any type); Concrete, Slip Form Pumps, power driven hydraulic lifting device for concrete forms; Conveyored Material Hauler; Crane, Boom Truck under twenty (20) tons; Crane, Boom Type lifting device, five (5) ton capacity or less; Drill, Directional type less than twenty thousand (20,000) lbs. pullback; Fork Lift, over ten (10) ton or Robotic; Helicopter Hoist; Hoist Operator, single drum; Hydraulic Backhoe track type up to and including twenty thousand (20,000) lbs.; Hydraulic Backhoe wheel type (any make); Laser Screed; Loaders, rubber-tired type, less than twenty five thousand (25,000) lbs.; Pavement Grinder and/or Grooving Machine (riding type); Pipe, cast in place Pipe Laying Machine; Pulva-Mixer or similar types; Pump Operator, more than five (5) pumps (any size); Rail, Ballast Compactor, Regulator, or Tamper machines; Service Oiler (Greaser); Sweeper Self-Propelled; Tractor, Rubber-Tired, fifty (50) HP flywheel and under; Trenching Machine Operator, maximum digging capacity three foot (3') depth; Tunnel, Locomotive, Dinkey; Tunnel, Power Jumbo setting slip forms, etc.

## Group 6

Asphalt, Pugmill (any type); Asphalt, Raker; Asphalt, Truck Mounted Asphalt Spreader, with Screed; Auger Oiler; Boatman; Bobcat, skid steer (less than one (1) yard); Broom, self-propelled; Compressor Operator (any power) under 1,250 cu. ft. total capacity; Concrete Curing Machine (riding type); Concrete Saw; Conveyor Operator or Assistant; Crane, Tugger; Crusher Feederman; Crusher Oiler; Deckhand; Drill, Directional Locator; Fork Lift; Grade Checker; Guardrail Punch Oiler; Hydrographic Seeder Machine, straw, pulp or seed; Hydrostatic Pump Operator; Mixer Box (CTB, dry batch, etc.); Oiler; Plant Oiler; Pump (any power); Rail, Brakeman, Switchman, Motorman; Rail, Tamping Machine, mechanical, self-propelled; Rigger; Roller grading (not asphalt); Truck, Crane Oiler-Driver

IRON0014-005 07/04/2022

ADAMS, ASOTIN, BENTON, COLUMBIA, DOUGLAS, FERRY, FRANKLIN,  
GARFIELD, GRANT, LINCOLN, OKANOGAN, PEND ORIELLE, SPOKANE,  
STEVENS, WALLA WALLA AND WHITMAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 36.21	31.47

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IRON0029-002 07/01/2020

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKAIKUM  
COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 39.10	29.75

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IRON0086-002 07/04/2022

YAKIMA, KITTITAS AND CHELAN COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 36.21	31.47

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IRON0086-004 07/04/2022

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,  
MASON, PIERCE, SKAGIT, SNOHOMISH, THURSTON, AND WHATCOM COUNTIES

	Rates	Fringes
IRONWORKER.....	\$ 49.90	31.82

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LABO0238-004 06/01/2021

PASCO AREA: ADAMS, BENTON, COLUMBIA, DOUGLAS (East of 120th Meridian), FERRY, FRANKLIN, GRANT, OKANOGAN, WALLA WALLA

SPOKANE AREA: ASOTIN, GARFIELD, LINCOLN, PEND OREILLE, SPOKANE, STEVENS & WHITMAN COUNTIES

	Rates	Fringes
LABORER (PASCO)		
GROUP 1.....	\$ 26.69	13.65
GROUP 2.....	\$ 28.79	13.65
GROUP 3.....	\$ 29.06	13.65
GROUP 4.....	\$ 29.33	13.65
GROUP 5.....	\$ 29.61	13.65
LABORER (SPOKANE)		
GROUP 1.....	\$ 27.34	15.35
GROUP 2.....	\$ 29.44	15.35
GROUP 3.....	\$ 29.71	15.35
GROUP 4.....	\$ 29.98	15.35
GROUP 5.....	\$ 30.26	15.35

Zone Differential (Add to Zone 1 rate): \$2.00

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: 45 radius miles and over from the main post office.

#### LABORERS CLASSIFICATIONS

GROUP 1: Flagman; Landscape Laborer; Scaleman; Traffic Control Maintenance Laborer (to include erection and maintenance of barricades, signs and relief of flagperson); Window Washer/Cleaner (detail cleanup, such as, but not limited to cleaning floors, ceilings, walls, windows, etc. prior to final acceptance by the owner)

GROUP 2: Asbestos Abatement Worker; Brush Hog Feeder; Carpenter Tender; Cement Handler; Clean-up Laborer; Concrete Crewman (to include stripping of forms, hand operating jacks on slip form construction, application of concrete curing compounds, pumpcrete machine, signaling, handling the nozzle of squeezecrete or similar machine, 6 inches and smaller); Confined Space Attendant; Concrete Signalman; Crusher Feeder; Demolition (to include clean-up, burning, loading, wrecking and salvage of all material); Dumpman; Fence Erector; Firewatch; Form Cleaning Machine Feeder; Stacker; General Laborer; Grout Machine Header Tender; Guard Rail (to include guard rails, guide and reference posts, sign posts, and right-of-way markers); Hazardous Waste Worker, Level D (no respirator is used and skin protection is minimal); Miner, Class "A" (to include

all bull gang, concrete crewman, dumpman and pumpcrete crewman, including distributing pipe, assembly & dismantle, and nipper); Nipper; Riprap Man; Sandblast Tailhoseman; Scaffold Erector (wood or steel); Stake Jumper; Structural Mover (to include separating foundation, preparation, cribbing, shoring, jacking and unloading of structures); Tailhoseman (water nozzle); Timber Bucker and Faller (by hand); Track Laborer (RR); Truck Loader; Well-Point Man; All Other Work Classifications Not Specially Listed Shall Be Classified As General Laborer

GROUP 3: Asphalt Roller, walking; Cement Finisher Tender; Concrete Saw, walking; Demolition Torch; Dope Pot Firemen, non-mechanical; Driller Tender (when required to move and position machine); Form Setter, Paving; Grade Checker using level; Hazardous Waste Worker, Level C (uses a chemical "splash suit" and air purifying respirator); Jackhammer Operator; Miner, Class "B" (to include brakeman, finisher, vibrator, form setter); Nozzleman (to include squeeze and flo-crete nozzle); Nozzleman, water, air or steam; Pavement Breaker (under 90 lbs.); Pipelayer, corrugated metal culvert; Pipelayer, multi-plate; Pot Tender; Power Buggy Operator; Power Tool Operator, gas, electric, pneumatic; Railroad Equipment, power driven, except dual mobile power spiker or puller; Railroad Power Spiker or Puller, dual mobile; Rodder and Spreader; Tamper (to include operation of Barco, Essex and similar tampers); Trencher, Shawnee; Tugger Operator; Wagon Drills; Water Pipe Liner; Wheelbarrow (power driven)

GROUP 4: Air and Hydraulic Track Drill; Asphalt Raker; Brush Machine (to include horizontal construction joint cleanup brush machine, power propelled); Caisson Worker, free air; Chain Saw Operator and Faller; Concrete Stack (to include laborers when laborers working on free standing concrete stacks for smoke or fume control above 40 feet high); Gunitite (to include operation of machine and nozzle); Hazardous Waste Worker, Level B (uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Laser Beam Operator (to include grade checker and elevation control); Miner, Class C (to include miner, nozzleman for concrete, laser beam operator and rigger on tunnels); Monitor Operator (air track or similar mounting); Mortar Mixer; Nozzleman (to include jet blasting nozzleman, over 1,200 lbs., jet blast machine power propelled, sandblast nozzle); Pavement Breaker (90 lbs. and over); Pipelayer (to include working topman, caulker, collarman, jointer, mortarman, rigger, jacker, shorer, valve or meter installer); Pipewrapper; Plasterer Tender; Vibrators (all)

GROUP 5 - Drills with Dual Masts; Hazardous Waste Worker, Level A (utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line); Miner Class "D", (to include raise and shaft miner, laser beam operator on riases and shafts)

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 LABO0238-006 06/01/2021

COUNTIES EAST OF THE 120TH MERIDIAN: ADAMS, ASOTIN, BENTON,  
 CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT,  
 LINCOLN, OKANOGAN, PEND OREILLE, STEVENS, SPOKANE, WALLA WALLA,  
 WHITMAN

	Rates	Fringes
Hod Carrier.....	\$ 30.00	13.50

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LABO0242-003 06/01/2022

KING COUNTY

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2A.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80
Group 6.....	\$ 45.91	13.90

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,  
 TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.  
 TOWNSEND, PT. ANGELES, AND BREMERTON

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall
- ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):  
 ZONE 2 - \$1.00  
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

- ZONE 1 - Projects within 25 radius miles of the respective city hall
- ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):  
 ZONE 2 - \$2.25

## LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2A: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

Group 6: Miner

LABO0252-010 06/01/2022

CLALLAM, GRAYS HARBOR, JEFFERSON, KITSAP, LEWIS, MASON, PACIFIC  
(EXCLUDING SOUTHWEST), PIERCE, AND THURSTON COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,  
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.  
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective  
city hall  
 ZONE 2 - More than 25 but less than 45 radius miles from the  
respective city hall  
 ZONE 3 - More than 45 radius miles from the respective city  
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):  
 ZONE 2 - \$1.00  
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective  
city hall  
 ZONE 2 - More than 25 radius miles from the respective city  
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):  
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window  
Washer/Cleaner (detail clean-up, such as but not limited to  
cleaning floors, ceilings, walls, windows, etc., prior to  
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;  
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Grade Checker and Transit Person; High Scaler; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied airline).

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LABO0292-008 06/01/2022

ISLAND, SAN JUAN, SKAGIT, SNOHOMISH, AND WHATCOM COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 29.82	13.80
GROUP 2.....	\$ 34.20	13.80
GROUP 3.....	\$ 42.86	13.80
GROUP 4.....	\$ 43.90	13.80
GROUP 5.....	\$ 44.62	13.80

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT, TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT. TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective city hall  
 ZONE 2 - More than 25 but less than 45 radius miles from the respective city hall  
 ZONE 3 - More than 45 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):  
 ZONE 2 - \$1.00  
 ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective city hall  
 ZONE 2 - More than 25 radius miles from the respective city hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):  
 ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window Washer/Cleaner (detail clean-up, such as but not limited to cleaning floors, ceilings, walls, windows, etc., prior to final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer; Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

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LABO0335-001 06/01/2022

CLARK, COWLITZ, KLICKITAT, PACIFIC (SOUTH OF A STRAIGHT LINE MADE BY EXTENDING THE NORTH BOUNDARY LINE OF WAHKIAKUM COUNTY WEST TO THE PACIFIC OCEAN), SKAMANIA AND WAHKIAKUM COUNTIES

	Rates	Fringes
Laborers:		
ZONE 1:		
GROUP 1.....	\$ 37.98	13.80
GROUP 2.....	\$ 38.76	13.80
GROUP 3.....	\$ 39.35	13.80
GROUP 4.....	\$ 39.85	13.80
GROUP 5.....	\$ 34.75	13.80
GROUP 6.....	\$ 31.61	13.80
GROUP 7.....	\$ 27.44	13.80

Zone Differential (Add to Zone 1 rates):  
 Zone 2 \$ 0.65  
 Zone 3 - 1.15  
 Zone 4 - 1.70  
 Zone 5 - 2.75

BASE POINTS: LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city all.  
 ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.  
 ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.  
 ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.  
 ZONE 5: More than 80 miles from the respective city hall.

LABORERS CLASSIFICATIONS

GROUP 1: Asphalt Plant Laborers; Asphalt Spreaders; Batch Weighman; Broomers; Brush Burners and Cutters; Car and Truck Loaders; Carpenter Tender; Change-House Man or Dry Shack Man; Choker Setter; Clean-up Laborers; Curing, Concrete; Demolition, Wrecking and Moving Laborers; Dumpers, road oiling crew; Dumpmen (for grading crew); Elevator Feeders; Median Rail Reference Post, Guide Post, Right of Way Marker; Fine Graders; Fire Watch; Form Strippers (not swinging stages); General Laborers; Hazardous Waste Worker; Leverman or Aggregate Spreader (Flaherty and similar types); Loading Spotters; Material Yard Man (including electrical); Pittsburgh Chipper Operator or Similar Types; Railroad Track Laborers; Ribbon Setters (including steel forms); Rip Rap Man (hand placed); Road Pump Tender; Sewer Labor; Signalman; Skipman; Slopers; Spraymen; Stake Chaser; Stockpiler; Tie Back Shoring; Timber Faller and Bucker (hand labor); Toolroom Man (at job site); Tunnel Bullgang (above ground); Weight-Man- Crusher (aggregate when used)

GROUP 2: Applicator (including pot power tender for same), applying protective material by hand or nozzle on utility lines or storage tanks on project; Brush Cutters (power saw); Burners; Choker Splicer; Clary Power Spreader and similar types; Clean- up Nozzleman-Green Cutter (concrete, rock, etc.); Concrete Power Buggyman; Concrete Laborer; Crusher Feeder; Demolition and Wrecking Charred Materials; Gunite Nozzleman Tender; Gunite or Sand Blasting Pot Tender; Handlers or Mixers of all Materials of an irritating nature (including cement and lime); Tool Operators (includes but not limited to: Dry Pack Machine; Jackhammer; Chipping Guns; Paving Breakers); Pipe Doping and Wrapping; Post Hole Digger, air, gas or electric; Vibrating Screed; Tampers; Sand Blasting (Wet); Stake-Setter; Tunnel-Muckers, Brakemen, Concrete Crew, Bullgang (underground)

GROUP 3: Asbestos Removal; Bit Grinder; Drill Doctor; Drill Operators, air tracks, cat drills, wagon drills, rubber-mounted drills, and other similar types including at crusher plants; Gunite Nozzleman; High Scalers, Strippers and Drillers (covers work in swinging stages, chairs or belts, under extreme conditions unusual to normal drilling, blasting, barring-down, or sloping and stripping); Manhole Builder; Powdermen; Concrete Saw Operator; Pwdermen; Power Saw Operators (Bucking and Falling); Pumpcrete Nozzlemen; Sand Blasting (Dry); Sewer Timberman; Track Liners, Anchor Machines, Ballast Regulators, Multiple Tampers, Power Jacks, Tugger Operator; Tunnel-Chuck Tenders, Nippers and Timbermen; Vibrator; Water Blaster

GROUP 4: Asphalt Raker; Concrete Saw Operator (walls); Concrete Nozzelman; Grade Checker; Pipelayer; Laser Beam (pipelaying)-applicable when employee assigned to move, set up, align; Laser Beam; Tunnel Miners; Motorman-Dinky Locomotive-Tunnel; Powderman-Tunnel; Shield Operator-Tunnel

GROUP 5: Traffic Flaggers

GROUP 6: Fence Builders

GROUP 7: Landscaping or Planting Laborers

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LABO0335-019 06/01/2022

	Rates	Fringes
Hod Carrier.....	\$ 37.98	13.80

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LABO0348-003 06/01/2022

CHELAN, DOUGLAS (W OF 12TH MERIDIAN), KITTITAS, AND YAKIMA  
COUNTIES

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 25.37	13.80
GROUP 2.....	\$ 29.16	13.80
GROUP 3.....	\$ 31.94	13.80
GROUP 4.....	\$ 32.72	13.80
GROUP 5.....	\$ 32.09	13.19

BASE POINTS: BELLINGHAM, MT. VERNON, EVERETT, SEATTLE, KENT,  
TACOMA, OLYMPIA, CENTRALIA, ABERDEEN, SHELTON, PT.  
TOWNSEND, PT. ANGELES, AND BREMERTON

ZONE 1 - Projects within 25 radius miles of the respective  
city hall

ZONE 2 - More than 25 but less than 45 radius miles from the  
respective city hall

ZONE 3 - More than 45 radius miles from the respective city  
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$1.00

ZONE 3 - \$1.30

BASE POINTS: CHELAN, SUNNYSIDE, WENATCHEE, AND YAKIMA

ZONE 1 - Projects within 25 radius miles of the respective  
city hall

ZONE 2 - More than 25 radius miles from the respective city  
hall

ZONE DIFFERENTIAL (ADD TO ZONE 1 RATES):

ZONE 2 - \$2.25

LABORERS CLASSIFICATIONS

GROUP 1: Landscaping and Planting; Watchman; Window  
Washer/Cleaner (detail clean-up, such as but not limited to  
cleaning floors, ceilings, walls, windows, etc., prior to  
final acceptance by the owner)

GROUP 2: Batch Weighman; Crusher Feeder; Fence Laborer;  
Flagman; Pilot Car

GROUP 3: General Laborer; Air, Gas, or Electric Vibrating Screed; Asbestos Abatement Laborer; Ballast Regulator Machine; Brush Cutter; Brush Hog Feeder; Burner; Carpenter Tender; Cement Finisher Tender; Change House or Dry Shack; Chipping Gun (under 30 lbs.); Choker Setter; Chuck Tender; Clean-up Laborer; Concrete Form Stripper; Curing Laborer; Demolition (wrecking and moving including charred material); Ditch Digger; Dump Person; Fine Graders; Firewatch; Form Setter; Gabian Basket Builders; Grout Machine Tender; Grinders; Guardrail Erector; Hazardous Waste Worker (Level C: uses a chemical "splash suit" and air purifying respirator); Maintenance Person; Material Yard Person; Pot Tender; Rip Rap Person; Riggers; Scale Person; Sloper Sprayer; Signal Person; Stock Piler; Stake Hopper; Toolroom Man (at job site); Topper-Tailer; Track Laborer; Truck Spotter; Vinyl Seamer

GROUP 4: Cement Dumper-Paving; Chipping Gun (over 30 lbs.); Clary Power Spreader; Concrete Dumper/Chute Operator; Concrete Saw Operator; Drill Operator (hydraulic, diamond, aiartrac); Faller and Bucker Chain Saw; Grade Checker and Transit Person; Groutmen (pressure) including post tension beams; Hazardous Waste Worker (Level B: uses same respirator protection as Level A. A supplied air line is provided in conjunction with a chemical "splash suit"); High Scaler; Jackhammer; Laserbeam Operator; Manhole Builder-Mudman; Nozzleman (concrete pump, green cutter when using combination of high pressure air and water on concrete and rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster); Pavement Breaker; Pipe Layer and Caulker; Pipe Pot Tender; Pipe Reliner (not insert type); Pipe Wrapper; Power Jacks; Railroad Spike Puller-Power; Raker-Asphalt; Rivet Buster; Rodder; Sloper (over 20 ft); Spreader (concrete); Tamper and Similar electric, air and glas operated tool; Timber Person-sewer (lagger shorer and cribber); Track Liner Power; Tugger Operator; Vibrator; Well Point Laborer

GROUP 5: Caisson Worker; Miner; Mortarman and Hodcarrier; Powderman; Re-Timberman; Hazardous Waste Worker (Level A: utilizes a fully encapsulated suit with a self-contained breathing apparatus or a supplied air line).

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\* PAIN0005-002 07/01/2022

STATEWIDE EXCEPT CLARK, COWLITZ, KLUCKITAT, PACIFIC (SOUTH),  
SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
<b>Painters:</b>		
<b>STRIPERS.....</b>	<b>\$ 33.37</b>	<b>18.53</b>

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PAIN0005-004 03/01/2009

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS,  
MASON, PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND  
WHATCOM COUNTIES

	Rates	Fringes
PAINTER.....	\$ 20.82	7.44

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\* PAIN0005-006 07/01/2018

ADAMS, ASOTIN; BENTON AND FRANKLIN (EXCEPT HANFORD SITE);  
CHELAN, COLUMBIA, DOUGLAS, FERRY, GARFIELD, GRANT, KITTITAS,  
LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA,  
WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
PAINTER		
Application of Cold Tar		
Products, Epoxies, Polyure		
thanes, Acids, Radiation		
Resistant Material, Water		
and Sandblasting.....	\$ 30.19	11.71
Over 30'/Swing Stage Work..	\$ 22.20	7.98
Brush, Roller, Striping,		
Steam-cleaning and Spray....	\$ 22.94	11.61
Lead Abatement, Asbestos		
Abatement.....	\$ 21.50	7.98

\*\$.70 shall be paid over and above the basic wage rates  
listed for work on swing stages and high work of over 30  
feet.

PAIN0055-003 07/01/2020

CLARK, COWLITZ, KLICKITAT, PACIFIC, SKAMANIA, AND WAHKIAKUM  
COUNTIES

	Rates	Fringes
PAINTER		
Brush & Roller.....	\$ 26.56	13.40
Spray and Sandblasting.....	\$ 26.56	13.40

All high work over 60 ft. = base rate + \$0.75

\* PAIN0055-006 01/01/2022

CLARK, COWLITZ, KLICKITAT, SKAMANIA and WAHKIAKUM COUNTIES

	Rates	Fringes
<b>Painters:</b>		
<b>HIGHWAY &amp; PARKING LOT</b>		
<b>STRIPER.....</b>	<b>\$ 48.17</b>	<b>16.00</b>

PLAS0072-004 06/01/2020

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY,  
FRANKLIN, GARFIELD, GRANT, KITTITAS, LINCOLN, OKANOGAN, PEND  
OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN, AND YAKIMA  
COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER		
ZONE 1.....	\$ 31.30	15.53

Zone Differential (Add to Zone 1 rate): Zone 2 - \$2.00

BASE POINTS: Spokane, Pasco, Lewiston; Wenatchee  
Zone 1: 0 - 45 radius miles from the main post office  
Zone 2: Over 45 radius miles from the main post office



PLAS0528-001 06/01/2022

CLALLAM, COWLITZ, GRAYS HARBOR, ISLAND, JEFFERSON, KING,  
KITSAP, LEWIS, MASON, PACIFIC, PIERCE, SAN JUAN, SKAGIT,  
SNOHOMISH, THURSTON, WAHAKIAKUM AND WHATCOM COUNTIES

	Rates	Fringes
CEMENT MASON		
CEMENT MASON.....	\$ 50.00	19.59
COMPOSITION, TROWEL MACHINE, GRINDER, POWER TOOLS, GUNNITE NOZZLE.....	\$ 50.50	19.59
TROWELING MACHINE OPERATOR ON COMPOSITION.....	\$ 50.50	19.59

PLAS0555-002 07/01/2019

CLARK, KLICKITAT AND SKAMANIA COUNTIES

ZONE 1:

	Rates	Fringes
CEMENT MASON		
CEMENT MASONS DOING BOTH COMPOSITION/POWER MACHINERY AND SUSPENDED/HANGING SCAFFOLD..	\$ 37.32	18.77
CEMENT MASONS ON SUSPENDED, SWINGING AND/OR HANGING SCAFFOLD.....	\$ 36.58	18.77
CEMENT MASONS.....	\$ 35.85	18.77
COMPOSITION WORKERS AND POWER MACHINERY OPERATORS...	\$ 36.58	18.77

Zone Differential (Add To Zone 1 Rates):

- Zone 2 - \$0.65
- Zone 3 - 1.15
- Zone 4 - 1.70
- Zone 5 - 3.00

BASE POINTS: BEND, CORVALLIS, EUGENE, MEDFORD, PORTLAND,  
SALEM, THE DALLES, VANCOUVER

- ZONE 1: Projects within 30 miles of the respective city hall
- ZONE 2: More than 30 miles but less than 40 miles from the  
respective city hall.
- ZONE 3: More than 40 miles but less than 50 miles from the  
respective city hall.
- ZONE 4: More than 50 miles but less than 80 miles from the  
respective city hall.
- ZONE 5: More than 80 miles from the respective city hall

TEAM0037-002 06/01/2020

CLARK, COWLITZ, KLICKITAT, PACIFIC (South of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), SKAMANIA, AND WAHKIAKUM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE 1		
GROUP 1.....	\$ 29.33	16.40
GROUP 2.....	\$ 29.46	16.40
GROUP 3.....	\$ 29.60	16.40
GROUP 4.....	\$ 29.89	16.40
GROUP 5.....	\$ 30.03	16.40
GROUP 6.....	\$ 30.31	16.40
GROUP 7.....	\$ 30.53	16.40

Zone Differential (Add to Zone 1 Rates):

Zone 2 - \$0.65  
 Zone 3 - 1.15  
 Zone 4 - 1.70  
 Zone 5 - 2.75

BASE POINTS: ASTORIA, THE DALLES, LONGVIEW AND VANCOUVER

ZONE 1: Projects within 30 miles of the respective city hall.

ZONE 2: More than 30 miles but less than 40 miles from the respective city hall.

ZONE 3: More than 40 miles but less than 50 miles from the respective city hall.

ZONE 4: More than 50 miles but less than 80 miles from the respective city hall.

ZONE 5: More than 80 miles from the respective city hall.

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: A Frame or Hydra lift truck w/load bearing surface; Articulated Dump Truck; Battery Rebuilders; Bus or Manhaul Driver; Concrete Buggies (power operated); Concrete Pump Truck; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations there of: up to and including 10 cu. yds.; Lift Jitneys, Fork Lifts (all sizes in loading, unloading and transporting material on job site); Loader and/or Leverman on Concrete Dry Batch Plant (manually operated); Pilot Car; Pickup Truck; Solo Flat Bed and misc. Body Trucks, 0-10 tons; Truck Tender; Truck Mechanic Tender; Water Wagons (rated capacity) up to 3,000 gallons; Transit Mix and Wet or Dry Mix - 5 cu. yds. and under; Lubrication Man, Fuel Truck Driver, Tireman, Wash Rack, Steam Cleaner or combinations; Team Driver; Slurry Truck Driver or Leverman; Tireman

GROUP 2: Boom Truck/Hydra-lift or Retracting Crane; Challenger; Dumpsters or similar equipment all sizes; Dump Trucks/Articulated Dumps 6 cu to 10 cu.; Flaherty Spreader Driver or Leverman; Lowbed Equipment, Flat Bed Semi-trailer or doubles transporting equipment or wet or dry materials; Lumber Carrier, Driver-Straddle Carrier (used in loading, unloading and transporting of materials 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.; Vacuum Trucks; Water truck/Wagons (rated capacity) over 3,000 to 5,000 gallons

GROUP 3: Ammonia Nitrate Distributor Driver; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 10 cu. yds. and including 30 cu. yds. includes Articulated Dump Trucks; Self-Propelled Street Sweeper; Transit mix and wet or dry mix truck: over 7 cu yds. and including 11 cu yds.; Truck Mechanic-Welder-Body Repairman; Utility and Clean-up Truck; Water Wagons (rated capacity) over 5,000 to 10,000 gallons

GROUP 4: Asphalt Burner; Dump Trucks, side, end and bottom dumps, including Semi-Trucks and Trains or combinations thereof: over 30 cu. yds. and including 50 cu. yds. includes Articulated Dump Trucks; Fire Guard; Transit Mix and Wet or Dry Mix Trucks, over 11 cu. yds. and including 15 cu. yds.; Water Wagon (rated capacity) over 10,000 gallons to 15,000 gallons

GROUP 5: Composite Crewman; Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 50 cu. yds. and including 60 cu. yds. includes Articulated Dump Trucks

GROUP 6: Bulk Cement Spreader w/o Auger; Dry Pre-Batch concrete Mix Trucks; Dump trucks, side, end and bottom dumps, including Semi Trucks and Trains of combinations thereof: over 60 cu. yds. and including 80 cu. yds., and includes Articulated Dump Trucks; Skid Truck

GROUP 7: Dump Trucks, side, end and bottom dumps, including Semi Trucks and Trains or combinations thereof: over 80 cu. yds. and including 100 cu. yds., includes Articulated Dump Trucks; Industrial Lift Truck (mechanical tailgate)

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\* TEAM0174-001 06/01/2020

CLALLAM, GRAYS HARBOR, ISLAND, JEFFERSON, KING, KITSAP, LEWIS, MASON, PACIFIC (North of a straight line made by extending the north boundary line of Wahkiakum County west to the Pacific Ocean), PIERCE, SAN JUAN, SKAGIT, SNOHOMISH, THURSTON AND WHATCOM COUNTIES

	Rates	Fringes
Truck drivers:		
ZONE A:		
GROUP 1:.....	\$ 42.88	20.92
GROUP 2:.....	\$ 42.04	20.92
GROUP 3:.....	\$ 39.23	20.92
GROUP 4:.....	\$ 34.26	20.92
GROUP 5:.....	\$ 42.43	20.92

ZONE B (25-45 miles from center of listed cities\*): Add \$.70 per hour to Zone A rates.

ZONE C (over 45 miles from centr of listed cities\*): Add \$1.00 per hour to Zone A rates.

\*Zone pay will be calculated from the city center of the following listed cities:

BELLINGHAM	CENTRALIA	RAYMOND	OLYMPIA
EVERETT	SHELTON	ANACORTES	BELLEVUE
SEATTLE	PORT ANGELES	MT. VERNON	KENT
TACOMA	PORT TOWNSEND	ABERDEEN	BREMERTON

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1 - "A-frame or Hydralift" trucks and Boom trucks or similar equipment when "A" frame or "Hydralift" and Boom truck or similar equipment is used; Buggymobile; Bulk Cement Tanker; Dumpsters and similar equipment, Tournorockers, Tournowagon, Tournotrailer, Cat DW series, Terra Cobra, Le Tourneau, Westinghouse, Athye Wagon, Euclid Two and Four-Wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump Trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with 16 yards to 30 yards capacity: Over 30 yards \$.15 per hour additional for each 10 yard increment; Explosive Truck (field mix) and similar equipment; Hyster Operators (handling bulk loose aggregates); Lowbed and Heavy Duty Trailer; Road Oil Distributor Driver; Spreader, Flaherty Transit mix used exclusively in heavy construction; Water Wagon and Tank Truck-3,000 gallons and over capacity

GROUP 2 - Bulllifts, or similar equipment used in loading or unloading trucks, transporting materials on job site; Dumpsters, and similar equipment, Tournorockers, Tournowagon, Turnotrailer, Cat. D.W. Series, Terra Cobra, Le Tourneau, Westinghouse, Athye wagon, Euclid two and four-wheeled power tractor with trailer and similar top-loaded equipment transporting material: Dump trucks, side, end and bottom dump, including semi-trucks and trains or combinations thereof with less than 16 yards capacity; Flatbed (Dual Rear Axle); Grease Truck, Fuel Truck, Greaser, Battery Service Man and/or Tire Service Man; Leverman and loader at bunkers and batch plants; Oil tank transport; Scissor truck; Slurry Truck; Sno-Go and similar equipment; Swampers; Straddler Carrier (Ross, Hyster) and similar equipment; Team Driver; Tractor (small, rubber-tired) (when used within Teamster jurisdiction); Vacuum truck; Water Wagon and Tank trucks-less than 3,000 gallons capacity; Winch Truck; Wrecker, Tow truck and similar equipment

GROUP 3 - Flatbed (single rear axle); Pickup Sweeper; Pickup Truck. (Adjust Group 3 upward by \$2.00 per hour for onsite work only)

GROUP 4 - Escort or Pilot Car

GROUP 5 - Mechanic

#### HAZMAT PROJECTS

Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C: +\$.25 per hour - This level uses an air purifying respirator or additional protective clothing.

LEVEL B: +\$.50 per hour - Uses same respirator protection as Level A. Supplied air line is provided in conjunction with a chemical "splash suit."

LEVEL A: +\$.75 per hour - This level utilizes a fully-encapsulated suit with a self-contained breathing apparatus or a supplied air line.

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TEAM0690-004 01/01/2019

ADAMS, ASOTIN, BENTON, CHELAN, COLUMBIA, DOUGLAS, FERRY, FRANKLIN, GARFIELD, GRANT KITTITAS, LINCOLN, OKANOGAN, PEND OREILLE, SPOKANE, STEVENS, WALLA WALLA, WHITMAN AND YAKIMA COUNTIES

	Rates	Fringes
Truck drivers: (AREA 1: SPOKANE ZONE CENTER: Adams, Chelan, Douglas, Ferry, Grant, Kittitas, Lincoln, Okanogan, Pen Oreille, Spokane, Stevens, and Whitman Counties		
AREA 1: LEWISTON ZONE CENTER: Asotin, Columbia, and Garfield Counties		
AREA 2: PASCO ZONE CENTER: Benton, Franklin, Walla Walla and Yakima Counties)		
AREA 1:		
GROUP 1.....	\$ 23.91	17.40
GROUP 2.....	\$ 26.18	17.40
GROUP 3.....	\$ 26.68	17.40
GROUP 4.....	\$ 27.01	17.40
GROUP 5.....	\$ 27.12	17.40
GROUP 6.....	\$ 27.29	17.40
GROUP 7.....	\$ 27.82	17.40
GROUP 8.....	\$ 28.18	17.40
AREA 2:		
GROUP 1.....	\$ 26.05	17.40
GROUP 2.....	\$ 28.69	17.40
GROUP 3.....	\$ 28.80	17.40
GROUP 4.....	\$ 29.13	17.40
GROUP 5.....	\$ 29.24	17.40
GROUP 6.....	\$ 29.24	17.40
GROUP 7.....	\$ 29.78	17.40
GROUP 8.....	\$ 30.10	17.40

Zone Differential (Add to Zone 1 rate: Zone 1 + \$2.00)

BASE POINTS: Spokane, Pasco, Lewiston

Zone 1: 0-45 radius miles from the main post office.

Zone 2: Outside 45 radius miles from the main post office

## TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Escort Driver or Pilot Car; Employee Haul; Power Boat Hauling Employees or Material

GROUP 2: Fish Truck; Flat Bed Truck; Fork Lift (3000 lbs. and under); Leverperson (loading trucks at bunkers); Trailer Mounted Hydro Seeder and Mulcher; Seeder & Mulcher; Stationary Fuel Operator; Tractor (small, rubber-tired, pulling trailer or similar equipment)

GROUP 3: Auto Crane (2000 lbs. capacity); Buggy Mobile & Similar; Bulk Cement Tanks & Spreader; Dumptor (6 yds. & under); Flat Bed Truck with Hydraulic System; Fork Lift (3001-16,000 lbs.); Fuel Truck Driver, Steamcleaner & Washer; Power Operated Sweeper; Rubber-tired Tunnel Jumbo; Scissors Truck; Slurry Truck Driver; Straddle Carrier (Ross, Hyster, & similar); Tireperson; Transit Mixers & Truck Hauling Concrete (3 yd. to & including 6 yds.); Trucks, side, end, bottom & articulated end dump (3 yards to and including 6 yds.); Warehouseperson (to include shipping & receiving); Wrecker & Tow Truck

GROUP 4: A-Frame; Burner, Cutter, & Welder; Service Greaser; Trucks, side, end, bottom & articulated end dump (over 6 yards to and including 12 yds.); Truck Mounted Hydro Seeder; Warehouseperson; Water Tank truck (0-8,000 gallons)

GROUP 5: Dumptor (over 6 yds.); Lowboy (50 tons & under); Self-loading Roll Off; Semi-Truck & Trailer; Tractor with Steer Trailer; Transit Mixers and Trucks Hauling Concrete (over 6 yds. to and including 10 yds.); Trucks, side, end, bottom and end dump (over 12 yds. to & including 20 yds.); Truck-Mounted Crane (with load bearing surface either mounted or pulled, up to 14 ton); Vacuum Truck (super sucker, guzzler, etc.)

GROUP 6: Flaherty Spreader Box Driver; Flowboys; Fork Lift (over 16,000 lbs.); Dumps (Semi-end); Mechanic (Field); Semi-end Dumps; Transfer Truck & Trailer; Transit Mixers & Trucks Hauling Concrete (over 10 yds. to & including 20 yds.); Trucks, side, end, bottom and articulated end dump (over 20 yds. to & including 40 yds.); Truck and Pup; Tournarocker, DWs & similar with 2 or more 4 wheel-power tractor with trailer, gallonage or yardage scale, whichever is greater Water Tank Truck (8,001- 14,000 gallons); Lowboy(over 50 tons)

GROUP 7: Oil Distributor Driver; Stringer Truck (cable operated trailer); Transit Mixers & Trucks Hauling Concrete (over 20 yds.); Truck, side, end, bottom end dump (over 40 yds. to & including 100 yds.); Truck Mounted Crane (with load bearing surface either mounted or pulled (16 through 25 tons);

GROUP 8: Prime Movers and Stinger Truck; Trucks, side, end, bottom and articulated end dump (over 100 yds.); Helicopter Pilot Hauling Employees or Materials

Footnote A - Anyone working on a HAZMAT job, where HAZMAT certification is required, shall be compensated as a premium, in addition to the classification working in as follows:

LEVEL C-D: - \$.50 PER HOUR (This is the lowest level of protection. This level may use an air purifying respirator or additional protective clothing.

LEVEL A-B: - \$1.00 PER HOUR (Uses supplied air in conjunction with a chemical splash suit or fully encapsulated suit with a self-contained breathing apparatus.

Employees shall be paid Hazmat pay in increments of four(4) and eight(8) hours.

NOTE:

Trucks Pulling Equipment Trailers: shall receive \$.15/hour over applicable truck rate

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.  
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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).



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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

#### Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

#### Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

#### Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the

classifications was union data. EXAMPLE: UAVG-OH-0010  
08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour National Office because National Office has responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage

payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISIO"

## Addendum #3

State of Washington  
 Department of Labor & Industries  
 Prevailing Wage Section - Telephone 360-902-5335  
 PO Box 44540, Olympia, WA 98504-4540

### Washington State Prevailing Wage

The PREVAILING WAGES listed here include both the hourly wage rate and the hourly rate of fringe benefits. On public works projects, worker's wage and benefit rates must add to not less than this total. A brief description of overtime calculation requirements are provided on the Benefit Code Key.

#### Journey Level Prevailing Wage Rates for the Effective Date: 1/10/2023

<u>County</u>	<u>Trade</u>	<u>Job Classification</u>	<u>Wage</u>	<u>Holiday</u>	<u>Overtime</u>	<u>Note</u>	<u>*Risk Class</u>
Pierce	<a href="#">Asbestos Abatement Workers</a>	Journey Level	\$56.80	5D	1H		<a href="#">View</a>
Pierce	<a href="#">Boilermakers</a>	Journey Level	\$72.54	5N	1C		<a href="#">View</a>
Pierce	<a href="#">Brick Mason</a>	Journey Level	\$66.32	7E	1N		<a href="#">View</a>
Pierce	<a href="#">Brick Mason</a>	Pointer-Caulker-Cleaner	\$66.32	7E	1N		<a href="#">View</a>
Pierce	<a href="#">Building Service Employees</a>	Janitor	\$21.79	5S	2F		<a href="#">View</a>
Pierce	<a href="#">Building Service Employees</a>	Traveling Waxer / Shampooer	\$22.74	5S	2F		<a href="#">View</a>
Pierce	<a href="#">Building Service Employees</a>	Window Cleaner (High Time)	\$30.74	5S	2F		<a href="#">View</a>
Pierce	<a href="#">Building Service Employees</a>	Window Cleaner (Non-High Time)	\$29.24	5S	2F		<a href="#">View</a>
Pierce	<a href="#">Cabinet Makers (In Shop)</a>	Journey Level	\$28.36		1		<a href="#">View</a>
Pierce	<a href="#">Carpenters</a>	Acoustical Worker	\$71.53	15J	4C		<a href="#">View</a>
Pierce	<a href="#">Carpenters</a>	Bridge, Dock And Wharf Carpenters	\$71.53	15J	4C		<a href="#">View</a>
Pierce	<a href="#">Carpenters</a>	Floor Layer & Floor Finisher	\$71.53	15J	4C		<a href="#">View</a>
Pierce	<a href="#">Carpenters</a>	Journey Level	\$71.53	15J	4C		<a href="#">View</a>
Pierce	<a href="#">Carpenters</a>	Scaffold Erector	\$71.53	15J	4C		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Application of all Composition Mastic	\$70.09	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Application of all Epoxy Material	\$69.59	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Application of all Plastic Material	\$70.09	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Application of Sealing Compound	\$69.59	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Application of Underlayment	\$70.09	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Building General	\$69.59	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Composition or Kalman Floors	\$70.09	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Concrete Paving	\$69.59	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Curb & Gutter Machine	\$70.09	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Curb & Gutter, Sidewalks	\$69.59	15J	4U		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Curing Concrete	\$69.59	15J	4U		<a href="#">View</a>

Pierce	<a href="#">Cement Masons</a>	Finish Colored Concrete	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Floor Grinding	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Floor Grinding/Polisher	\$69.59	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Green Concrete Saw, self-powered	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Grouting of all Plates	\$69.59	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Grouting of all Tilt-up Panels	\$69.59	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Gunite Nozzleman	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Hand Powered Grinder	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Journey Level	\$69.59	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Patching Concrete	\$69.59	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Pneumatic Power Tools	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Power Chipping & Brushing	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Sand Blasting Architectural Finish	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Screed & Rodding Machine	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Spackling or Skim Coat Concrete	\$69.59	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Troweling Machine Operator	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Troweling Machine Operator on Colored Slabs	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Cement Masons</a>	Tunnel Workers	\$70.09	<a href="#">15J</a>	<a href="#">4U</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Bell/Vehicle or Submersible Operator (Not Under Pressure)	\$126.05	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Dive Supervisor/Master	\$89.94	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Diver	\$126.05	<a href="#">15J</a>	<a href="#">4C</a>	<a href="#">8V</a>	<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Diver On Standby	\$84.94	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Diver Tender	\$77.16	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 0-30.00 PSI	\$89.09	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 30.01 - 44.00 PSI	\$94.09	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 44.01 - 54.00 PSI	\$107.09	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 54.01 - 60.00 PSI	\$103.09	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 60.01 - 64.00 PSI	\$105.59	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 64.01 - 68.00 PSI	\$110.59	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 68.01 - 70.00 PSI	\$112.59	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 70.01 -	\$114.59	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>

		72.00 PSI					
Pierce	<a href="#">Divers &amp; Tenders</a>	Hyperbaric Worker - Compressed Air Worker 72.01 - 74.00 PSI	\$116.59	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Manifold Operator	\$77.16	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Manifold Operator Mixed Gas	\$82.16	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Remote Operated Vehicle Operator/Technician	\$77.16	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Divers &amp; Tenders</a>	Remote Operated Vehicle Tender	\$71.98	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Assistant Engineer	\$76.56	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Assistant Mate (Deckhand)	\$75.97	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Boatmen	\$76.56	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Engineer Welder	\$78.03	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Leverman, Hydraulic	\$79.59	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Mates	\$76.56	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Dredge Workers</a>	Oiler	\$75.97	<a href="#">5D</a>	<a href="#">3F</a>		<a href="#">View</a>
Pierce	<a href="#">Drywall Applicator</a>	Journey Level	\$71.53	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Drywall Tapers</a>	Journey Level	\$70.61	<a href="#">5P</a>	<a href="#">1E</a>		<a href="#">View</a>
Pierce	<a href="#">Electrical Fixture Maintenance Workers</a>	Journey Level	\$17.76		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Cable Splicer	\$84.08	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Journey Level	\$78.57	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Lead Covered Cable Splicer	\$89.58	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Inside</a>	Welder	\$84.08	<a href="#">5C</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Motor Shop</a>	Craftsman	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Motor Shop</a>	Journey Level	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Cable Splicer	\$88.89	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Certified Line Welder	\$81.65	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Groundperson	\$52.91	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Heavy Line Equipment Operator	\$81.65	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Journey Level Lineperson	\$81.65	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Line Equipment Operator	\$70.02	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Meter Installer	\$52.91	<a href="#">5A</a>	<a href="#">4D</a>	<a href="#">8W</a>	<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Pole Sprayer	\$81.65	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electricians - Powerline Construction</a>	Powderperson	\$60.75	<a href="#">5A</a>	<a href="#">4D</a>		<a href="#">View</a>
Pierce	<a href="#">Electronic Technicians</a>	Journey Level	\$51.14	<a href="#">6Z</a>	<a href="#">1B</a>		<a href="#">View</a>
Pierce	<a href="#">Elevator Constructors</a>	Mechanic	\$103.81	<a href="#">7D</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Elevator Constructors</a>	Mechanic In Charge	\$112.09	<a href="#">7D</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Fabricated Precast Concrete Products</a>	Journey Level	\$15.74		<a href="#">1</a>		<a href="#">View</a>

Pierce	<a href="#">Fence Erectors</a>	Fence Erector	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Fence Erectors</a>	Fence Laborer	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Flaggers</a>	Journey Level	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Glaziers</a>	Journey Level	\$75.91	<a href="#">7L</a>	<a href="#">1Y</a>		<a href="#">View</a>
Pierce	<a href="#">Heat &amp; Frost Insulators And Asbestos Workers</a>	Journey Level	\$84.58	<a href="#">15H</a>	<a href="#">11C</a>		<a href="#">View</a>
Pierce	<a href="#">Heating Equipment Mechanics</a>	Journey Level	\$94.11	<a href="#">7F</a>	<a href="#">1E</a>		<a href="#">View</a>
Pierce	<a href="#">Hod Carriers &amp; Mason Tenders</a>	Journey Level	\$59.85	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Industrial Power Vacuum Cleaner</a>	Journey Level	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Boat Operator	\$61.41	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Cook	\$56.48	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Deckhand	\$57.48	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Deckhand Engineer	\$58.81	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Launch Operator	\$58.89	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inland Boatmen</a>	Mate	\$57.31	<a href="#">5B</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Cleaner Operator, Foamer Operator	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Grout Truck Operator	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Head Operator	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Technician	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Inspection/Cleaning/Sealing Of Sewer &amp; Water Systems By Remote Control</a>	Tv Truck Operator	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Insulation Applicators</a>	Journey Level	\$71.53	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Ironworkers</a>	Journeyman	\$82.03	<a href="#">7N</a>	<a href="#">10</a>		<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Air, Gas Or Electric Vibrating Screed	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Airtrac Drill Operator	\$58.56	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Ballast Regular Machine	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Batch Weighman	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Brick Pavers	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Brush Cutter	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Brush Hog Feeder	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Burner	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Caisson Worker	\$58.56	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Carpenter Tender	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Cement Dumper-paving	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Cement Finisher Tender	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Change House Or Dry Shack	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Chipping Gun (30 Lbs. And Over)	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Chipping Gun (Under 30 Lbs.)	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>

Pierce	<a href="#">Laborers</a>	Choker Setter	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Chuck Tender	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Clary Power Spreader	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Clean-up Laborer	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Dumper/Chute Operator	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Form Stripper	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Placement Crew	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Concrete Saw Operator/Core Driller	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Crusher Feeder	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Curing Laborer	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Demolition: Wrecking & Moving (Incl. Charred Material)	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Ditch Digger	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Diver	\$58.56	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Drill Operator (Hydraulic, Diamond)	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Dry Stack Walls	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Dump Person	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Epoxy Technician	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Erosion Control Worker	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Faller & Bucker Chain Saw	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Fine Graders	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Firewatch	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Form Setter	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Gabian Basket Builders	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	General Laborer	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Grade Checker & Transit Person	\$59.85	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Grinders	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Grout Machine Tender	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Groutmen (Pressure) Including Post Tension Beams	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Guardrail Erector	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Hazardous Waste Worker (Level A)	\$58.56	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Hazardous Waste Worker (Level B)	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Hazardous Waste Worker (Level C)	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	High Scaler	\$58.56	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Jackhammer	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Laserbeam Operator	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Maintenance Person	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Manhole Builder-Mudman	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Material Yard Person	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Mold Abatement Worker	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Motorman-Dinky Locomotive	\$59.95	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>



Pierce	<a href="#">Laborers</a>	nozzleman (concrete pump, green cutter when using combination of high pressure air & water on concrete & rock, sandblast, gunite, shotcrete, water blaster, vacuum blaster)	\$59.85	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pavement Breaker	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pilot Car	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Layer (Lead)	\$59.85	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Layer/Tailor	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Pot Tender	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Reliner	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pipe Wrapper	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Pot Tender	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Powderman	\$58.56	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Powderman's Helper	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Power Jacks	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Railroad Spike Puller - Power	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Raker - Asphalt	\$59.85	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Re-timberman	\$58.56	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Remote Equipment Operator	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rigger/Signal Person	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rip Rap Person	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rivet Buster	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Rodder	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Scaffold Erector	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Scale Person	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Sloper (Over 20")	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Sloper Sprayer	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Spreader (Concrete)	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Stake Hopper	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Stock Piler	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Swinging Stage/Boatswain Chair	\$48.14	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tamper & Similar Electric, Air & Gas Operated Tools	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tamper (Multiple & Self-propelled)	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Timber Person - Sewer (Lagger, Shorer & Cribber)	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Toolroom Person (at Jobsite)	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Topper	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Track Laborer	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Track Liner (Power)	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Traffic Control Laborer	\$51.48	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">9C</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Traffic Control Supervisor	\$54.55	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">9C</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Truck Spotter	\$56.80	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tugger Operator	\$57.84	<a href="#">15J</a>	<a href="#">4V</a>	<a href="#">8Y</a>	<a href="#">View</a>

Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 0-30 psi	\$158.87	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 30.01-44.00 psi	\$163.90	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 44.01-54.00 psi	\$167.58	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 54.01-60.00 psi	\$173.28	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 60.01-64.00 psi	\$175.40	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 64.01-68.00 psi	\$180.50	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 68.01-70.00 psi	\$182.40	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 70.01-72.00 psi	\$184.40	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Compressed Air Worker 72.01-74.00 psi	\$186.40	<u>15J</u>	<u>4V</u>	<u>9B</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Guage and Lock Tender	\$59.95	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Tunnel Work-Miner	\$59.95	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Vibrator	\$57.84	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Vinyl Seamer	\$56.80	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Watchman	\$43.76	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Welder	\$57.84	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Well Point Laborer	\$57.84	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers</a>	Window Washer/Cleaner	\$43.76	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers - Underground Sewer &amp; Water</a>	General Laborer & Topman	\$56.80	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Laborers - Underground Sewer &amp; Water</a>	Pipe Layer	\$57.84	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Landscape Construction</a>	Landscape Construction/Landscaping Or Planting Laborers	\$43.76	<u>15J</u>	<u>4V</u>	<u>8Y</u>	<a href="#">View</a>
Pierce	<a href="#">Landscape Construction</a>	Landscape Operator	\$75.97	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Landscape Maintenance</a>	Groundskeeper	\$17.07		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Lathers</a>	Journey Level	\$71.53	<u>15J</u>	<u>4C</u>		<a href="#">View</a>
Pierce	<a href="#">Marble Setters</a>	Journey Level	\$66.32	<u>7E</u>	<u>1N</u>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Fitter	\$15.74		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Laborer	\$15.74		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Machine Operator	\$15.74		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Metal Fabrication (In Shop)</a>	Welder	\$15.74		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Millwright</a>	Journey Level	\$73.08	<u>15J</u>	<u>4C</u>		<a href="#">View</a>
Pierce	<a href="#">Modular Buildings</a>	Journey Level	\$15.74		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Painters</a>	Journey Level	\$49.46	<u>6Z</u>	<u>11J</u>		<a href="#">View</a>
Pierce	<a href="#">Pile Driver</a>	Crew Tender	\$77.16	<u>15J</u>	<u>4C</u>		<a href="#">View</a>
Pierce	<a href="#">Pile Driver</a>	Journey Level	\$71.98	<u>15J</u>	<u>4C</u>		<a href="#">View</a>
Pierce	<a href="#">Plasterers</a>	Journey Level	\$67.49	<u>7Q</u>	<u>1R</u>		<a href="#">View</a>
Pierce	<a href="#">Plasterers</a>	Nozzleman	\$71.49	<u>7Q</u>	<u>1R</u>		<a href="#">View</a>
Pierce	<a href="#">Playground &amp; Park Equipment</a>	Journey Level	\$15.74		<u>1</u>		<a href="#">View</a>

	<a href="#">Installers</a>						
Pierce	<a href="#">Plumbers &amp; Pipefitters</a>	Journey Level	\$83.47	<a href="#">5A</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Asphalt Plant Operator	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Assistant Engineer	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Barrier Machine (zipper)	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Batch Plant Operator: Concrete	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Bobcat	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Brokk - Remote Demolition Equipment	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Brooms	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Bump Cutter	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cableways	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Chipper	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Compressor	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Finish Machine -laser Screed	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Pump - Mounted Or Trailer High Pressure Line Pump, Pump High Pressure	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Conveyors	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes Friction: 200 tons and over	\$82.76	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes, A-frame: 10 tons and under	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$81.12	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 20 tons through 44 tons with attachments	\$79.62	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$81.97	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$82.76	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: Friction cranes through 199 tons	\$81.97	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators</a>	Crusher	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Deck Engineer/deck Winches (power)	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Derricks: on building work	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Dozers D-9 & Under	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Drilling Machine	\$78.03	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Elevator and man-lift: permanent and shaft type	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Forklift: 3000 lbs and over with attachments	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Forklifts: under 3000 lbs. with attachments	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Grade Engineer: Using Blueprints, Cut Sheets,etc.	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Gradechecker/stakeman	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Guardrail punch/Auger	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Locator	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Horizontal/directional Drill Operator	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hydralifts/boom trucks: 10 tons and under	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Hydralifts/boom trucks: over 10 tons	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loader, Overhead 8 Yards. & Over	\$78.03	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loaders, Overhead Under 6 Yards	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loaders, Plant Feed	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Loaders: Elevating Type Belt	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Locomotives, All	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Material Transfer Device	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$81.12	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Motor patrol graders	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Oil Distributors, Blower Distribution & Mulch Seeding	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

		Operator					
Pierce	<a href="#">Power Equipment Operators</a>	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$79.00	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Overhead, bridge type Crane: 20 tons through 44 tons	\$79.62	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Overhead, bridge type: 100 tons and over	\$81.12	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Overhead, bridge type: 45 tons through 99 tons	\$80.33	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Pavement Breaker	\$72.66	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Pile Driver (other Than Crane Mount)	\$76.56	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Plant Oiler - Asphalt, Crusher	\$75.97	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Posthole Digger, Mechanical	\$72.66	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Power Plant	\$72.66	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Pumps - Water	\$72.66	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Quad 9, HD 41, D10 And Over	\$77.24	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Quick Tower: no cab, under 100 feet in height based to boom	\$75.55	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$77.24	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Rigger and Bellman	\$75.55	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Rigger/Signal Person, Bellman(Certified)	\$79.00	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Rollagon	\$77.24	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Roller, Other Than Plant Mix	\$72.66	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Roller, Plant Mix Or Multi-lift Materials	\$75.97	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Roto-mill, Roto-grinder	\$76.56	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Saws - Concrete	\$75.97	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Scraper, Self Propelled Under 45 Yards	\$76.56	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Scrapers - Concrete & Carry All	\$75.97	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Scrapers, Self-propelled: 45 Yards And Over	\$77.24	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Service Engineers: equipment	\$79.00	<u>7A</u>	<u>11H</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shotcrete/gunite Equipment	\$72.66	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$75.97	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$77.24	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$76.56	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$78.03	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Shovel, Excavator, Backhoes: Over 90 Metric Tons	\$78.81	<u>15J</u>	<u>3K</u>	<u>8X</u>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators</a>	Slipform Pavers	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Spreader, Topsider & Screedman	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Subgrader Trimmer	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower Bucket Elevators	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower Crane: over 175' through 250' in height, base to boom	\$81.97	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower crane: up to 175' in height base to boom	\$81.12	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Tower Cranes: over 250' in height from base to boom.	\$82.76	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Transporters, All Track Or Truck Type	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Trenching Machines	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Truck Crane Oiler/Driver: 100 tons and over	\$79.62	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Truck crane oiler/driver: under 100 tons	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Truck Mount Portable Conveyor	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Welder	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Wheel Tractors, Farmall Type	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators</a>	Yo Yo Pay Dozer	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Asphalt Plant Operator	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Assistant Engineer	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Barrier Machine (zipper)	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Batch Plant Operator: Concrete	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bobcat	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Brokk - Remote Demolition Equipment	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Brooms	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Bump Cutter	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cableways	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Chipper	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Compressor	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Over 42m	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Finish Machine -laser Screed	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-</a>	Concrete Pump - Mounted Or	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

	<a href="#">Underground Sewer &amp; Water</a>	Trailer High Pressure Line Pump, Pump High Pressure					
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Concrete Pump: Truck Mount With Boom Attachment Up To 42m	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Conveyors	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes Friction: 200 tons and over	\$82.76	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes, A-frame: 10 tons and under	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 100 tons through 199 tons, or 150' of boom (including jib with attachments)	\$81.12	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 20 tons through 44 tons with attachments	\$79.62	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 200 tons- 299 tons, or 250' of boom including jib with attachments	\$81.97	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 300 tons and over or 300' of boom including jib with attachments	\$82.76	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: 45 tons through 99 tons, under 150' of boom(including jib with attachments)	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: Friction cranes through 199 tons	\$81.97	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Cranes: through 19 tons with attachments, A-frame over 10 tons	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Crusher	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Deck Engineer/deck Winches (power)	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Derricks: on building work	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Dozers D-9 & Under	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drill Oilers: Auger Type, Truck Or Crane Mount	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Drilling Machine	\$78.03	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Elevator and man-lift: permanent and shaft type	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Finishing Machine, Bidwell And Gamaco & Similar Equipment	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklift: 3000 lbs and over with attachments	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Forklifts: under 3000 lbs. with attachments	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Grade Engineer: Using Blueprints, Cut Sheets,etc.	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Gradechecker/stakeman	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Guardrail punch/Auger	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off- Road Equipment 45 Yards. & Over	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hard Tail End Dump Articulating Off-road Equipment Under 45 Yards	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Horizontal/directional Drill Locator	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Horizontal/directional Drill Operator	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hydralifts/boom trucks: 10 tons and under	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Hydralifts/boom trucks: over 10 tons	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loader, Overhead 8 Yards. & Over	\$78.03	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loader, Overhead, 6 Yards. But Not Including 8 Yards	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders, Overhead Under 6 Yards	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders, Plant Feed	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Loaders: Elevating Type Belt	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Locomotives, All	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Material Transfer Device	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mechanics: all (Leadmen - \$0.50 per hour over mechanic)	\$81.12	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Motor patrol graders	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Mucking Machine, Mole, Tunnel Drill, Boring, Road Header And/or Shield	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Oil Distributors, Blower Distribution & Mulch Seeding Operator	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Outside Hoists (elevators and manlifts), Air Tuggers, Strato	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Overhead, bridge type Crane: 20 tons through 44 tons	\$79.62	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Overhead, bridge type: 100 tons and over	\$81.12	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Overhead, bridge type: 45 tons through 99 tons	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pavement Breaker	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-</a>	Pile Driver (other Than Crane	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>



	<a href="#">Underground Sewer &amp; Water</a>	Mount)					
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Plant Oiler - Asphalt, Crusher	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Posthole Digger, Mechanical	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Power Plant	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Pumps - Water	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Quad 9, HD 41, D10 And Over	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Quick Tower: no cab, under 100 feet in height based to boom	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Remote Control Operator On Rubber Tired Earth Moving Equipment	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rigger and Bellman	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rigger/Signal Person, Bellman(Certified)	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Rollagon	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roller, Other Than Plant Mix	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roller, Plant Mix Or Multi-lift Materials	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Roto-mill, Roto-grinder	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Saws - Concrete	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scraper, Self Propelled Under 45 Yards	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers - Concrete & Carry All	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Scrapers, Self-propelled: 45 Yards And Over	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Service Engineers: equipment	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shotcrete/gunite Equipment	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe, Tractors Under 15 Metric Tons	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoe: Over 30 Metric Tons To 50 Metric Tons	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes, Tractors: 15 To 30 Metric Tons	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Shovel, Excavator, Backhoes: Over 50 Metric Tons To 90 Metric Tons	\$78.03	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Slipform Pavers	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>

Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Spreader, Topsider & Screedman	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Subgrader Trimmer	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Bucket Elevators	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Crane: over 175' through 250' in height, base to boom	\$81.97	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower crane: up to 175' in height base to boom	\$81.12	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Tower Cranes: over 250' in height from base to boom.	\$82.76	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Transporters, All Track Or Truck Type	\$77.24	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Trenching Machines	\$75.97	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Crane Oiler/Driver: 100 tons and over	\$79.62	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck crane oiler/driver: under 100 tons	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Truck Mount Portable Conveyor	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Vac Truck (Vactor Guzzler, Hydro Excavator)	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Welder	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Wheel Tractors, Farmall Type	\$72.66	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Equipment Operators-Underground Sewer &amp; Water</a>	Yo Yo Pay Dozer	\$76.56	<a href="#">15J</a>	<a href="#">3K</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Journey Level In Charge	\$57.22	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Spray Person	\$54.32	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Equipment Operator	\$57.22	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer	\$51.18	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Power Line Clearance Tree Trimmers</a>	Tree Trimmer Groundperson	\$38.99	<a href="#">5A</a>	<a href="#">4A</a>		<a href="#">View</a>
Pierce	<a href="#">Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$83.96	<a href="#">5A</a>	<a href="#">1G</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Brick Mason</a>	Journey Level	\$27.02		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Carpenters</a>	Journey Level	\$49.92	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Cement Masons</a>	Journey Level	\$45.99		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Drywall Applicators</a>	Journey Level	\$71.53	<a href="#">15J</a>	<a href="#">4C</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Drywall Tapers</a>	Journey Level	\$70.61	<a href="#">5P</a>	<a href="#">1E</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Electricians</a>	Journey Level	\$44.11		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Glaziers</a>	Journey Level	\$75.91	<a href="#">7L</a>	<a href="#">1Y</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Insulation Applicators</a>	Journey Level	\$24.52		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Residential Laborers</a>	Journey Level	\$33.97		<a href="#">1</a>		<a href="#">View</a>

Pierce	<a href="#">Residential Marble Setters</a>	Journey Level	\$29.29		1	<a href="#">View</a>
Pierce	<a href="#">Residential Painters</a>	Journey Level	\$49.46	6Z	11J	<a href="#">View</a>
Pierce	<a href="#">Residential Plumbers &amp; Pipefitters</a>	Journey Level	\$83.47	5A	1G	<a href="#">View</a>
Pierce	<a href="#">Residential Refrigeration &amp; Air Conditioning Mechanics</a>	Journey Level	\$83.47	5A	1G	<a href="#">View</a>
Pierce	<a href="#">Residential Sheet Metal Workers</a>	Journey Level	\$94.11	7F	1E	<a href="#">View</a>
Pierce	<a href="#">Residential Soft Floor Layers</a>	Journey Level	\$55.56	5A	3J	<a href="#">View</a>
Pierce	<a href="#">Residential Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$55.95	5C	2R	<a href="#">View</a>
Pierce	<a href="#">Residential Stone Masons</a>	Journey Level	\$29.29		1	<a href="#">View</a>
Pierce	<a href="#">Residential Terrazzo Workers</a>	Journey Level	\$15.74		1	<a href="#">View</a>
Pierce	<a href="#">Residential Terrazzo/Tile Finishers</a>	Journey Level	\$21.96		1	<a href="#">View</a>
Pierce	<a href="#">Residential Tile Setters</a>	Journey Level	\$25.98		1	<a href="#">View</a>
Pierce	<a href="#">Roofers</a>	Journey Level	\$59.00	5A	2O	<a href="#">View</a>
Pierce	<a href="#">Roofers</a>	Using Irritable Bituminous Materials	\$62.00	5A	2O	<a href="#">View</a>
Pierce	<a href="#">Sheet Metal Workers</a>	Journey Level (Field or Shop)	\$94.11	7F	1E	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Boilermaker	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Carpenter	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Crane Operator	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Electrician	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Heat & Frost Insulator	\$84.58	15H	11C	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Laborer	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Machinist	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Operating Engineer	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Painter	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Pipefitter	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Rigger	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Sheet Metal	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Shipfitter	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Warehouse/Teamster	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	New Construction Welder / Burner	\$39.58	7V	1	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Boilermaker	\$50.35	7X	4J	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Carpenter	\$50.95	7X	4J	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Crane Operator	\$45.06	7Y	4K	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Electrician	\$50.42	7X	4J	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Heat & Frost Insulator	\$84.58	15H	11C	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Laborer	\$50.95	7X	4J	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Machinist	\$50.95	7X	4J	<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Operating Engineer	\$45.06	7Y	4K	<a href="#">View</a>

Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Painter	\$50.95	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Pipefitter	\$50.95	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Rigger	\$50.35	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Sheet Metal	\$50.35	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Shipwright	\$50.95	<a href="#">7X</a>	<a href="#">4J</a>		<a href="#">View</a>
Pierce	<a href="#">Shipbuilding &amp; Ship Repair</a>	Ship Repair Warehouse / Teamster	\$45.06	<a href="#">7Y</a>	<a href="#">4K</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Sign Installer	\$26.17		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Electrical)</a>	Sign Maker	\$20.33		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Sign Installer	\$33.43		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sign Makers &amp; Installers (Non-Electrical)</a>	Sign Maker	\$22.79		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Soft Floor Layers</a>	Journey Level	\$55.56	<a href="#">5A</a>	<a href="#">3J</a>		<a href="#">View</a>
Pierce	<a href="#">Solar Controls For Windows</a>	Journey Level	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Sprinkler Fitters (Fire Protection)</a>	Journey Level	\$90.99	<a href="#">5C</a>	<a href="#">1X</a>		<a href="#">View</a>
Pierce	<a href="#">Stage Rigging Mechanics (Non Structural)</a>	Journey Level	\$15.74		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Stone Masons</a>	Journey Level	\$66.32	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Street And Parking Lot Sweeper Workers</a>	Journey Level	\$21.69		<a href="#">1</a>		<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Assistant Construction Site Surveyor	\$79.00	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Chainman	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Construction Site Surveyor	\$80.33	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Drone Operator (when used in conjunction with surveying work only)	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Surveyors</a>	Ground Penetrating Radar	\$75.55	<a href="#">7A</a>	<a href="#">11H</a>	<a href="#">8X</a>	<a href="#">View</a>
Pierce	<a href="#">Telecommunication Technicians</a>	Journey Level	\$51.14	<a href="#">6Z</a>	<a href="#">1B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Cable Splicer	\$39.15	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Hole Digger/Ground Person	\$26.29	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Telephone Equipment Operator (Light)	\$32.72	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Telephone Line Construction - Outside</a>	Telephone Lineperson	\$37.00	<a href="#">5A</a>	<a href="#">2B</a>		<a href="#">View</a>
Pierce	<a href="#">Terrazzo Workers</a>	Journey Level	\$60.36	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Tile Setters</a>	Journey Level	\$60.36	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Tile, Marble &amp; Terrazzo Finishers</a>	Finisher	\$51.19	<a href="#">7E</a>	<a href="#">1N</a>		<a href="#">View</a>
Pierce	<a href="#">Traffic Control Stripers</a>	Journey Level	\$51.90	<a href="#">7A</a>	<a href="#">1K</a>		<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Asphalt Mix Over 16 Yards	\$72.45	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Asphalt Mix To 16 Yards	\$71.61	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Dump Truck	\$71.61	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers</a>	Dump Truck & Trailer	\$72.45	<a href="#">15J</a>	<a href="#">11M</a>	<a href="#">8L</a>	<a href="#">View</a>

Pierce	<a href="#">Truck Drivers</a>	Other Trucks	\$72.45	<u>15J</u>	<u>11M</u>	<u>8L</u>	<a href="#">View</a>
Pierce	<a href="#">Truck Drivers - Ready Mix</a>	Transit Mix	\$72.45	<u>15J</u>	<u>11M</u>	<u>8L</u>	<a href="#">View</a>
Pierce	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Irrigation Pump Installer	\$16.09		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Oiler	\$15.74		<u>1</u>		<a href="#">View</a>
Pierce	<a href="#">Well Drillers &amp; Irrigation Pump Installers</a>	Well Driller	\$18.30		<u>1</u>		<a href="#">View</a>



The Contractor (Contractor) shall maintain at least the minimum insurance set forth below. By requiring such minimum insurance, the City of Tacoma shall not be deemed or construed to have assessed the risk that may be applicable to Contractor under this Contract. Contractor shall assess its own risks and, if it deems appropriate and/or prudent, maintain greater limits and/or broader coverage.

## 1. GENERAL REQUIREMENTS

The following General Requirements apply to Contractor and to Subcontractor(s) of every tier performing services and/or activities pursuant to the terms of this Contract. Contractor acknowledges and agrees to the following insurance requirements applicable to Contractor and Contractor's Subcontractor(s):

- 1.1. City of Tacoma reserves the right to approve or reject the insurance provided based upon the insurer, terms and coverage, the Certificate of Insurance, and/or endorsements.
- 1.2. Contractor shall not begin work under the Contract until the required insurance has been obtained and approved by City of Tacoma.
- 1.3. Contractor shall keep this insurance in force during the entire term of the Contract and for Thirty (30) calendar days after completion of all work required by the Contract, unless otherwise provided herein.
- 1.4. Insurance policies required under this Contract that name "City of Tacoma" as Additional Insured shall:
  - 1.4.1. Be considered primary and non-contributory for all claims.
  - 1.4.2. Contain a "Separation of Insured provision and a "Waiver of Subrogation" clause in favor of City of Tacoma.
- 1.5. Section 1.4 above does not apply to contracts for purchasing supplies only.
- 1.6. Verification of coverage shall include:
  - 1.6.1. An ACORD certificate or equivalent.
  - 1.6.2. Copies of all endorsements naming the City of Tacoma as additional insured and showing the policy number.
  - 1.6.3. A notation of coverage enhancements on the Certificate of Insurance shall not satisfy these requirements – actual endorsements must be submitted.
- 1.7. Liability insurance policies, with the exception of Professional Liability and Workers' Compensation, shall name the City of Tacoma and its officers, elected officials, employees, agents, and authorized volunteers as additional insured.
  - 1.7.1. No specific person or department should be identified as the additional insured.
  - 1.7.2. All references on certificates of insurance and endorsements shall be listed as "City of Tacoma".
  - 1.7.3. The City of Tacoma shall be additional insured for both ongoing and completed operations using Insurance Services Office (ISO) form CG 20 10 04 13 and CG 20



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37 04 13 or the equivalent for the full available limits of liability maintained by the Contractor irrespective of whether such limits maintained by the Contractor are greater than those required by this Contract and irrespective of whether the Certificate of Insurance describes limits lower than those maintained by the Contractor.

- 1.8. Contractor shall provide a Certificate of Insurance for each policy of insurance meeting the requirements set forth herein when Contractor provides the signed Contract for the work to City of Tacoma. Contractor shall provide copies of any applicable Additional Insured, Waiver of Subrogation, and Primary and Non-contributory endorsements. Contract or Permit number and the City Department must be shown on the Certificate of Insurance.
- 1.9. Insurance limits shown below may be written with an excess policy that follows the form of an underlying primary liability policy or an excess policy providing the required limit.
- 1.10. Liability insurance policies shall be written on an "occurrence" form, except for Professional Liability/Errors and Omissions, Pollution Liability, and Cyber/Privacy and Security
- 1.11. If coverage is approved and purchased on a "Claims-Made" basis, Contractor warrants continuation of coverage, either through policy renewals or by the purchase of an extended reporting period endorsement as set forth below.
- 1.12. The insurance must be written by companies licensed or authorized in the State of Washington pursuant to RCW 48 with an (A-) VII or higher in the A.M. Best's Key Rating Guide [www.ambest.com](http://www.ambest.com).
- 1.13. Contractor shall provide City of Tacoma notice of any cancellation or non-renewal of this required insurance within Thirty (30) calendar days.
- 1.14. Contractor shall not allow any insurance to be cancelled or lapse during any term of this Contract, otherwise it shall constitute a material breach of the Contract, upon which City of Tacoma may, after giving Five (5) business day notice to Contractor to correct the breach, immediately terminate the Contract or, at its discretion, procure or renew such insurance and pay any and all premiums in connection therewith; with any sums so expended to be repaid to City of Tacoma by Contractor upon demand, or at the sole discretion of City of Tacoma, offset against funds due Contractor from City of Tacoma.
- 1.15. Contractor shall be responsible for the payment of all premiums, deductibles and self-insured retentions, and shall indemnify and hold the City of Tacoma harmless to the extent such a deductible or self-insured retained limit may apply to the City of Tacoma as an additional insured. Any deductible or self-insured retained limits in excess of Twenty Five Thousand Dollars (\$25,000) must be disclosed and approved by City of Tacoma Risk Manager and shown on the Certificate of Insurance.
- 1.16. City of Tacoma reserves the right to review insurance requirements during any term of the Contract and to require that Contractor make reasonable adjustments when the scope of services has changed.



- 1.17. All costs for insurance shall be incidental to and included in the unit or lump sum prices of the Contract and no additional payment will be made by City of Tacoma to Contractor.
- 1.18. Insurance coverages specified in this Contract are not intended and will not be interpreted to limit the responsibility or liability of Contractor or Subcontractor(s).
- 1.19. Failure by City of Tacoma to identify a deficiency in the insurance documentation provided by Contractor or failure of City of Tacoma to demand verification of coverage or compliance by Contractor with these insurance requirements shall not be construed as a waiver of Contractor's obligation to maintain such insurance.
- 1.20. If Contractor is a State of Washington or local government and is self-insured for any of the above insurance requirements, a certification of self-insurance shall be attached hereto and be incorporated by reference and shall constitute compliance with this Section.

## 2. CONTRACTOR

As used herein, "Contractor" shall be the Supplier(s) entering a Contract with City of Tacoma, whether designated as a Supplier, Contractor, Vendor, Proposer, Bidder, Respondent, Seller, Merchant, Service Provider, or otherwise.

## 3. SUBCONTRACTORS

It is Contractor's responsibility to ensure that each subcontractor obtain and maintain adequate liability insurance coverage. Contractor shall provide evidence of such insurance upon City of Tacoma's request.

## 4. REQUIRED INSURANCE AND LIMITS

The insurance policies shall provide the minimum coverages and limits set forth below. Providing coverage in these stated minimum limits shall not be construed to relieve Contractor from liability in excess of such limits.

### 4.1 Commercial General Liability Insurance

Contractor shall maintain Commercial General Liability Insurance policy with limits not less than One Million Dollars (\$1,000,000) each occurrence and Two Million Dollars (\$2,000,000) annual aggregate. The Commercial General Liability Insurance policy shall be written on an Insurance Services Office form CG 00 01 04 13 or its equivalent. Products and Completed Operations shall be maintained for a period of three years following Substantial Completion of the Work related to performing construction services.

This policy shall include product liability especially when a Contract solely is for purchasing supplies. The Commercial General Liability policy shall be endorsed to include:

4.1.1 A per project aggregate policy limit, using ISO form CG 25 03 05 09 or an equivalent endorsement.

### 4.2 Commercial (Business) Automobile Liability Insurance

Contractor shall maintain Commercial Automobile Liability policy with limits not less than One Million Dollars (\$1,000,000) each accident for bodily injury and property damage and bodily injury and property damage coverage for owned (if any), non-owned, hired, or leased vehicles. Commercial Automobile Liability Insurance shall be written using ISO form CA 00 01 or





equivalent. Contractor must also maintain an MCS 90 endorsement or equivalent and a CA 99 48 endorsement or equivalent if "Pollutants" are to be transported.

4.3 Workers' Compensation

Contractor shall comply with Workers' Compensation coverage as required by the Industrial Insurance laws of the State of Washington, as well as any other similar coverage required for this work by applicable federal laws of other states. The Contractor must comply with their domicile State Industrial Insurance laws if it is outside the State of Washington.

4.4 Employers' Liability Insurance

Contractor shall maintain Employers' Liability coverage with limits not less than One Million Dollars (\$1,000,000) each employee, One Million Dollars (\$1,000,000) each accident, and One Million Dollars (\$1,000,000) policy limit.

4.5 Excess or Umbrella Liability Insurance

Contractor shall provide Excess or Umbrella Liability Insurance with limits not less than Ten Million Dollars (\$10,000,000) per occurrence and in the aggregate. This coverage shall apply, at a minimum, in excess of primary underlying Commercial General Liability, Employer's Liability, Pollution Liability, Marine General Liability, Protection and Indemnity, and Automobile Liability if required herein.

4.6 Other Insurance

Other insurance may be deemed appropriate to cover risks and exposures related to the scope of work or changes to the scope of work required by City of Tacoma. The costs of such necessary and appropriate Insurance coverage shall be borne by Contractor.

4.7 Pollution Liability Insurance

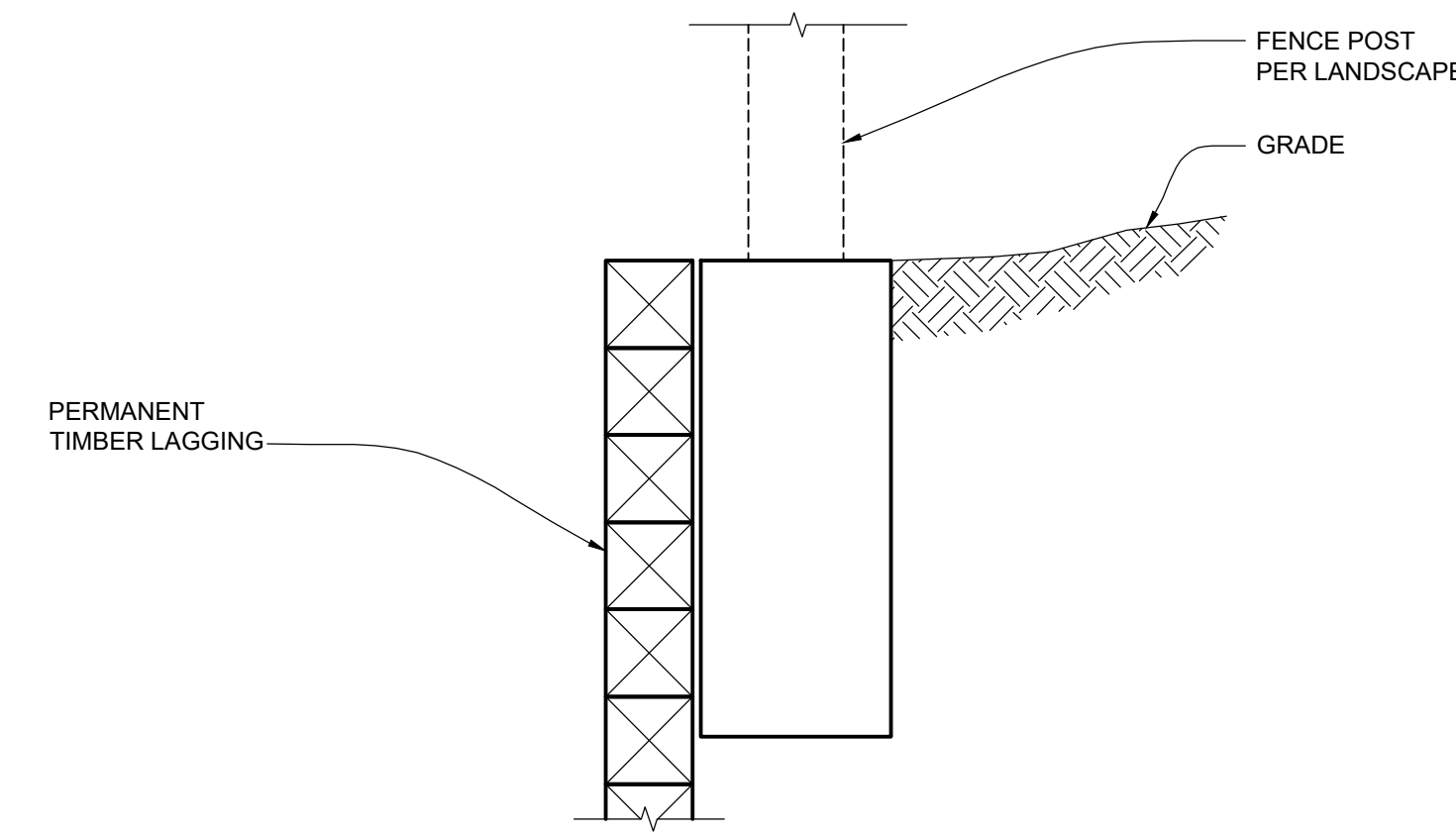
Contractor shall maintain a Pollution Liability or Environmental Liability Insurance providing coverage, including investigation and defense costs, for bodily injury and property damage, including loss of use of damaged property or of property that has been physically damaged or destroyed.

Such coverage shall provide both on-site and off-site cleanup costs and cover gradual and sudden pollution, and include in its scope of coverage the City of Tacoma damage claims for loss arising out of Contractor's work with limits not less than One Million Dollars (\$1,000,000) each occurrence and Two Million Dollars (\$2,000,000) aggregate.

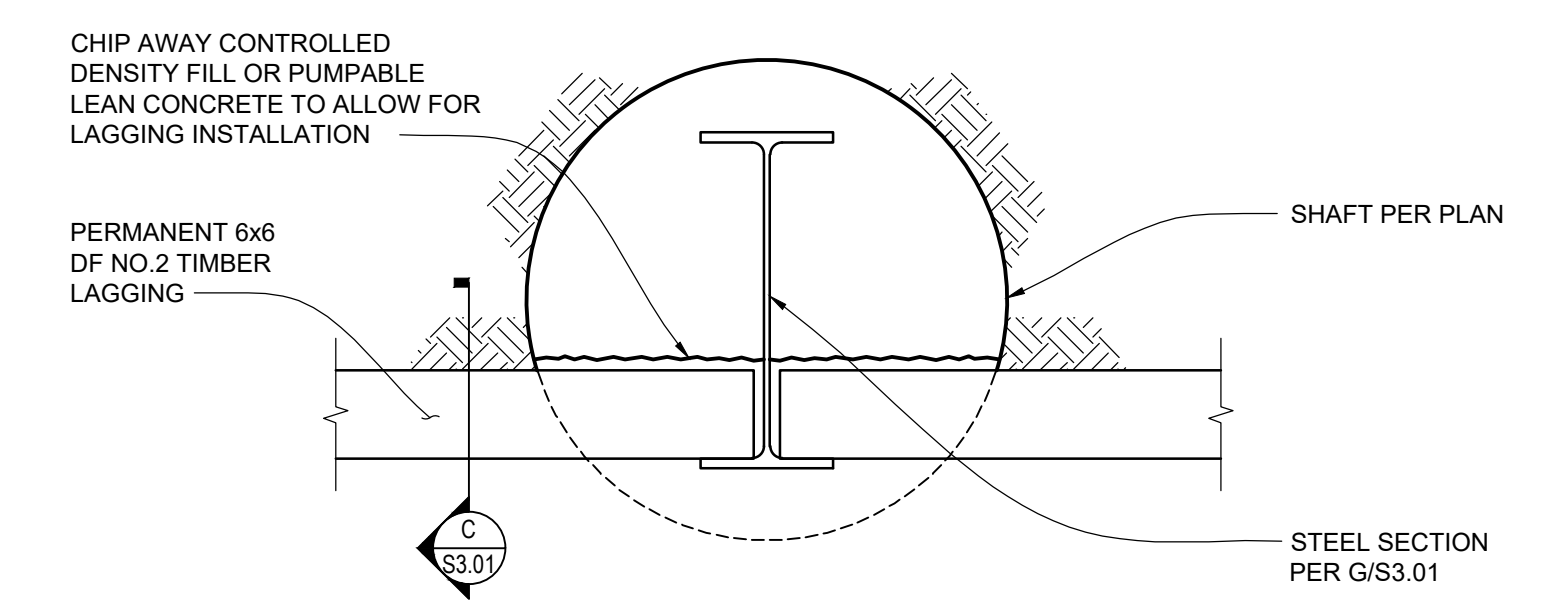
This policy shall include Environmental Resource Damage coverage and Hazardous Substance Removal. If such coverage is provided on a "claims-made" basis, the following additional conditions must be met:

The policy must contain no retroactive date, or the retroactive date must precede the commencement date of this Contract.

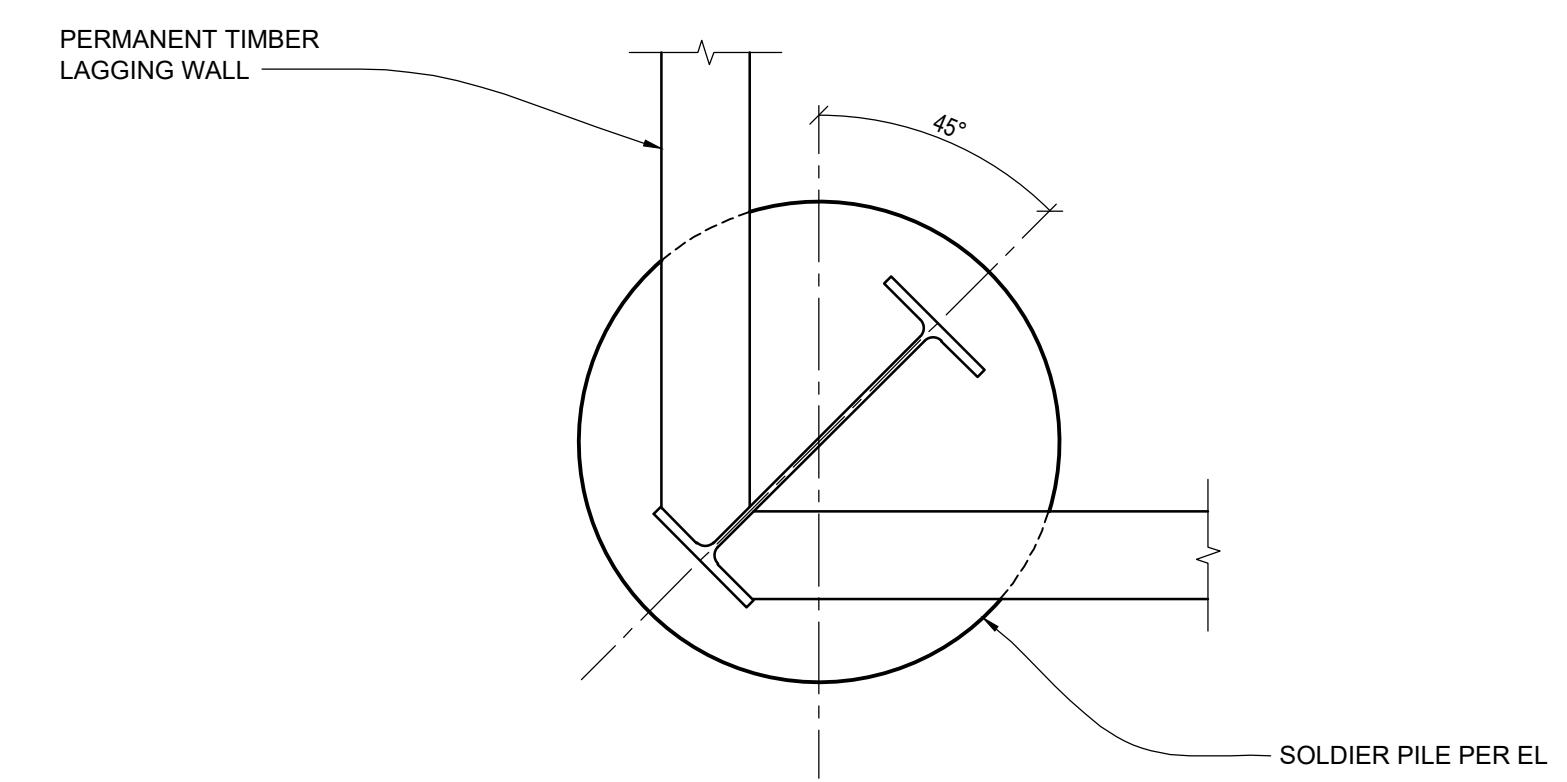
The extended reporting period (tail) must be purchased to cover a minimum of Six (6) years beyond completion of work.



**C TOP OF RETAINING WALL DETAIL**  
SCALE: 1" = 1'-0"



**D SOLDIER PILE**  
SCALE: 1" = 1'-0"

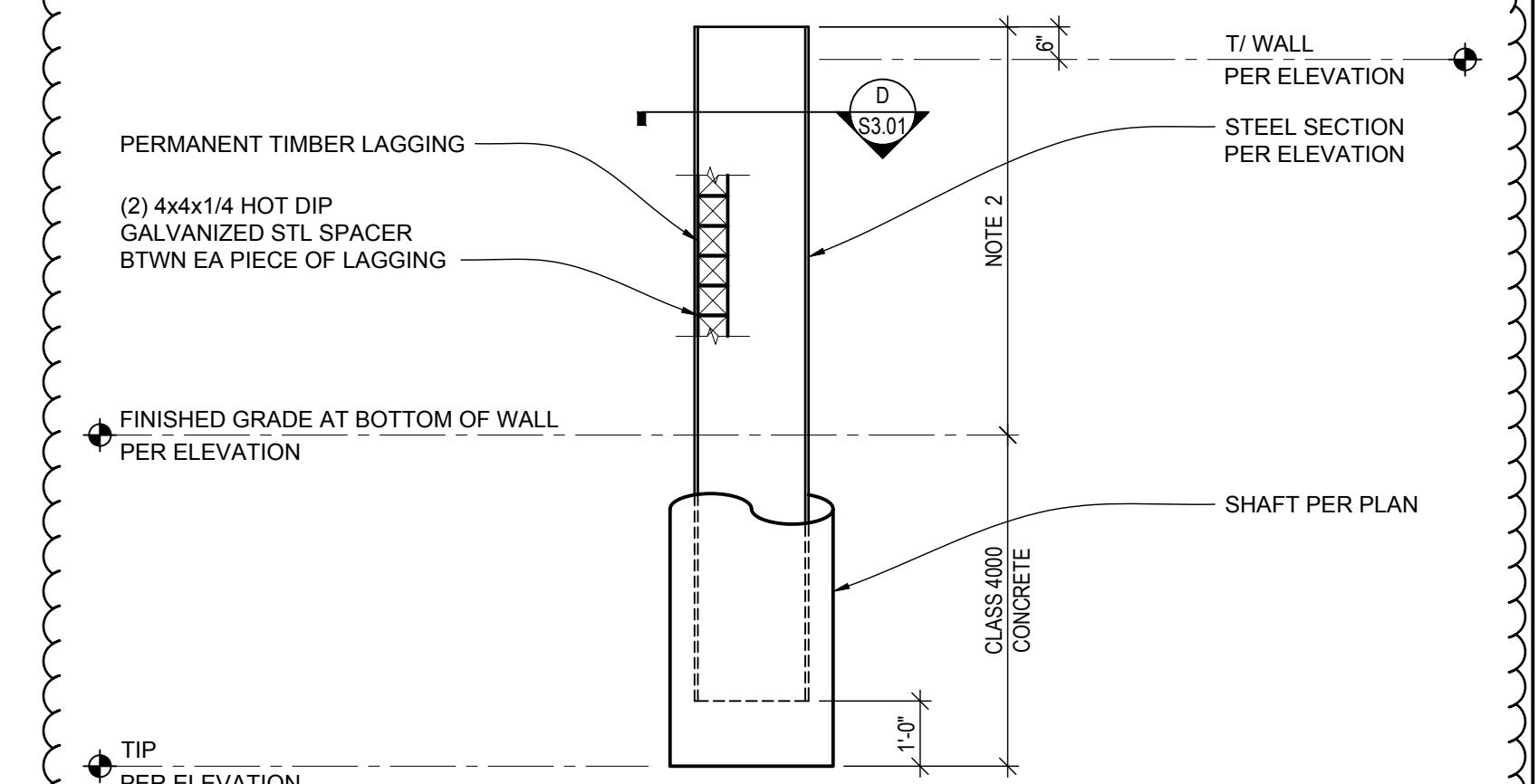


**F OUTSIDE CORNER**  
SCALE: 1" = 1'-0"

SOLDIER PILE SCHEDULE		
MARK	SECTION	SHAFT DAIMETER
SP-1	W12x26	2'-0"
SP-2	W12x26	2'-6"
SP-3	W18x35	2'-6"
SP-4	W21x44	2'-6"

NOTES:  
1. SP-1 IS TYPICAL STEEL SECTION, UNLESS NOTED OTHERWISE PER ELEVATION.

**G SOLDIER PILE SCHEDULE**  
SCALE: NTS

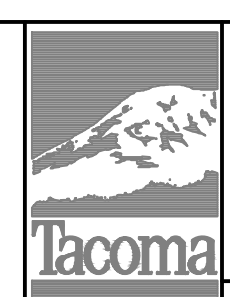


**H SOLDIER PILE**  
SCALE: 3/8" = 1'-0"

NOTES:  
1. SEE WALL ELEVATION FOR PILE SIZE AND SPACING. SPACING TYPICAL 6' O.C. UNLESS OTHERWISE NOTED.  
2. CONTROLLED DENSITY FILL OR LEAN PUMPABLE CONCRETE.

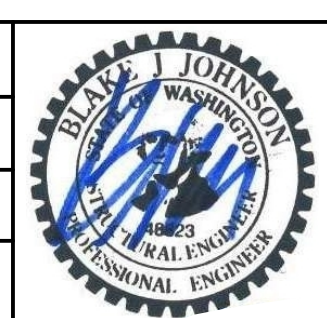


Addendum #3



NO	REVISION	DATE	APPD

FINAL CONSTRUCTION CHECKED	DATE	SCALE
DESIGNED	12.20.2022	AS NOTED
CHECKED		
BY	BJJ	BJJ
DATE	VNG	PROJECT NAME
FIELD BOOKS		PrairieLineTrail
		DRAWING NAME



DocuSigned by:  
*Chris Larson*

CITY OF TACOMA  
DEPARTMENT OF PUBLIC WORKS

PRAIRIE LINE TRAIL - PHASE 2 - REBID  
FROM S 25TH ST. TO S. 21ST ST  
SOLDIER PILE WALLS

BID SET  
PW22-0391F  
SHEET NO. S3.01  
SHEET 33 OF 80