

Ephrata Landfill Drum Removal

Prepared for:

Grant County Public Works Department

Grant County

EPHRATA LANDFILL DRUM REMOVAL

Prepared for

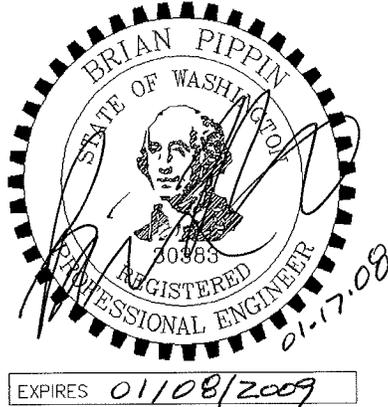
**Grant County
Public Works Department**
124 Enterprise St. S.E.
Ephrata, Washington 98823

Prepared by

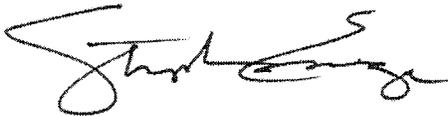
Parametrix
411 108th Avenue N.E., Suite 1800
Bellevue, Washington 98004-5571
(425) 458-6200
www.parametrix.com

CERTIFICATE OF ENGINEER

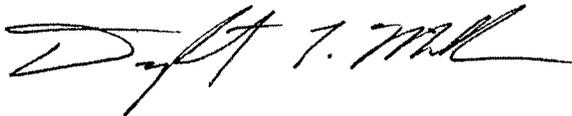
The technical material and data contained in this document were prepared under the supervision and direction of the undersigned, whose seal, as a professional engineer licensed to practice as such, is affixed below.



Prepared by Brian Pippin, P.E.
Project Engineer



Checked by Steve Emge, P.E.
Senior Engineer



Approved by Dwight E. Miller, P.E.
Principal In Charge

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NOTICE TO CONTRACTORS

NOTICE IS HEREBY GIVEN, that sealed bids will be received either by mail or hand delivered by Grant County at the Office of the Board of County Commissioners, located in the County Courthouse, P.O. Box 37, 35 C Street NW – Room 207, Ephrata, Washington, 98823, until **1:30 p.m., Tuesday, February 26, 2008** and will then and there be opened and publicly read for the construction of the improvements. The name and address of the bidder shall be on the outside of the envelope.

All bid proposals shall be accompanied by bid proposal deposit in cash, a certified check, cashier's check, or surety bond payable to Grant County, in an amount equal to five percent (5%) of the amount of such bid proposal. No conditional bid bond will be accepted. Should the successful bidder fail to enter into such contract and furnish a satisfactory performance bond within the time stated in the specifications, the bid proposal deposit shall be forfeited to Grant County.

Plans and Specifications may be purchased from the office of the County Engineer, 124 Enterprise St. S.E., Ephrata, Washington 98823, Phone: (509) 754-6082. The contact person is Derek Pohle, P.E. The plans and specifications are provided for a non-refundable deposit of \$25.00 for each set, plus a \$5.00 postage and handling fee, if mailing is requested.

Informational copies of the Plans and Specifications are on file for inspection purposes at the Grant County Public Works Building, 124 Enterprise St. S.E., Ephrata, Washington 98823, and only in the Chapter Offices of the AGC in Seattle and Spokane, and other various Plan Centers located in Washington, as requested.

A pre-bid meeting will be held on **Thursday, February 1, 2008 at 10:00 a.m.** at the landfill. All bidders are encouraged to attend.

The Board of County Commissioners of Grant County, Washington, reserves the right to reject any and all bids. The award of the contract, if made, shall be made to the qualified responsive bidder submitting the lowest responsible bid.

This work includes removing approximately 2,000 buried steel “55 gallon” drums which were placed in a stack in 1975 and since buried with solid waste and soil at the Ephrata Landfill. The drums are thought to be stacked three layers deep in the area shown on the Plans. The drums are thought to contain solidified paint sludges, organics, inorganics, and solvents from manufacturing sources. The Contractor will build the drum staging area specified herein and shown in the Plans, remove the drums from their present location, place them in overpack drums, and place the overpacked drums in the staging area. The drums will be sampled, analyzed and disposed of by others. The Contractor will need to accommodate the activities of the drum disposal contractor within the staging area and onsite (e.g. testing, grouping similar drums, loading). The Contractor will then decommission the staging area once all drums are removed.

The drums are covered by approximately 15 feet of commingled solid waste and rocky soil (overburden). The Contractor will remove overburden without driving heavy equipment or vehicles over the drums or otherwise damaging the drums. Due to the anticipated depths (to about 30 feet), the Contractor will lay back excavation side slopes for safe access to the drums. Laying back slopes will expose about 3,000 square yards of refuse that will need to be promptly covered with daily cover consisting of at least 6 inches of borrow material from the on-site borrow area or a temporary film or membrane approved by the ENGINEER. Borrow used for side slope daily cover will be left in place as part of the backfill.

The Contractor will dispose of overburden more than a foot above the drums or more than three feet away from the sides of the drums in the active area of the landfill. The Contractor will segregate overburden within one foot above the drums and three feet alongside the drums because that material is considered to be potentially contaminated by drum leakage.

The drums may have leaked into underlying soil, which the ENGINEER will identify. The Contractor will at times need to delay daily cover placement to accommodate sampling and testing by the ENGINEER. The Contractor shall provide excavation as directed by the ENGINEER to collect soil samples and removing potentially contaminated soil to the extent required by the ENGINEER. Contractor shall decontaminate the excavator bucket before collecting each sample. Limited potentially contaminated soil volumes are anticipated because of shallow bedrock.

The Contractor will segregate potentially contaminated overburden and soil in lined, hard-lidded, gasketed roll-off bins for sampling, testing and waste designation and coding by the ENGINEER. The Contractor will dispose of material designated hazardous offsite. The Contractor will dispose of non-hazardous material in the active landfill.

Portions of the drum stack might consist of badly deteriorated drums, associated waste, and commingled soil and overburden (bulk drum waste). Some drums might rupture when handled, resulting in a mixture of drum waste, overburden, soil and cleanup materials (spill residue). The Contractor will segregate bulk drum waste and spill residue in lined, hard-lidded, gasketed roll-off bins for sampling, testing and waste designation and coding by the ENGINEER. The Contractor will dispose of these materials offsite.

The Contractor will backfill the excavation in two foot lifts and thoroughly rolled each lift with equipment once drums are removed and contaminated soils are removed to the extent feasible or surveyed in place where removal is not feasible.

The OWNER will provide traffic control on the landfill. The work area will be isolated from site traffic, which includes private vehicle traffic. The Contractor is required to top the excavation with borrow and track-walk the surface. The OWNER will restore the landfill roads.

There are no electrical power, water supply or toilet facilities near the work area. There is no onsite water supply sufficient for watering. The Contractor will need to obtain water for watering offsite. Watering will not be allowed within the drum excavation. There are trees, a fence and part of drip irrigation system along the north edge of the excavation area. The Contractor will be required to salvage wooden fence posts for the OWNER, dispose of metal fence fabric onsite (free of charge), dispose of trees offsite, and move or cap the drip system.

No bidder may withdraw their bid after the hour set for the opening thereof or before award of contract unless said award is delayed for a period exceeding sixty (60) days from the date of bid opening.

BIDDER'S CHECKLIST

This checklist has been prepared and furnished to aid Bidders in including all necessary supporting information with their bid. Bidders' submittals should include, but are not limited to, the following:

<u>Item</u>	<u>List</u>
1.	Proposal (Bid)
2.	Certification of Authority of Signature
3.	Bid Bond (cash, certified check, cashier's check, or surety bond)
4.	Power-of-Attorney for Surety's Agent, if bid deposit is a surety bond
5.	Statement of Intended Surety, if bid deposit is not a surety bond
6.	Non-Collusion Affidavit
7.	Statement of Proposed Subcontractors

BID PROPOSAL

Ephrata Landfill Drum Removal
Grant County
Public Works Department
124 Enterprise St. S.E.
Ephrata, Washington 98823

Bid Proposal of _____ (hereinafter called "BIDDER"), organized and existing under the laws of the State of _____ doing business as _____ to Grant County (hereinafter called "OWNER").

In compliance with your Advertisements for Bids, BIDDER hereby proposes to perform all work for the construction of **Ephrata Landfill Drum Removal**, in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID PROPOSAL, each BIDDER certifies, and in the case of a joint BID PROPOSAL each party thereto certifies as to his own organization, that this BID PROPOSAL has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID PROPOSAL with any other BIDDER or with any competitor.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED and to physically complete the PROJECT within 75 working days thereafter, BIDDER further agrees to pay as liquidated damages for each consecutive calendar day thereafter in accordance with Section 1-08.9 of the Standard Specifications and as amended.

This certifies that the BIDDER has examined the project site and the plans, specifications, and Contract Documents governing the work embraced in this project and the method by which payment will be made of said work is understood.

CERTIFICATION OF AUTHORITY OF SIGNATURE

I, _____, certify that I am the Secretary
of the Corporation named as Bidder herein, that
_____ who signed this bid on behalf of the Corporation was then
_____ of said Corporation, that said bid was
duly signed for and on behalf of said Corporation by the authority of its governing body and is within the
scope of its corporate powers.

Signature

Date

Name of Secretary of the Corporation
(please type)

Corporate Seal

SCHEDULE OF PRICES

<u>ITEM NO.</u>	<u>ESTIMATED QUANTITY</u>	<u>DESCRIPTION OF ITEM</u>	<u>UNIT PRICE</u>	<u>AMOUNT</u>
1.	1	Mobilization (1-09.7)		
		\$ _____ (Words) Per Lump Sum	L.S.	\$ _____
2.	1	Surveying (1-05.4)		
		\$ _____ (Words) Per Lump Sum	L.S.	\$ _____
3.	1	Force Account	EST	\$50,000
4.	20,000	Borrow	C.Y.	
		\$ _____ (Words) Per Cubic Yard	\$ _____	\$ _____
5.	19,000	Non-Hazardous Overburden Excavation	C.Y.	
		\$ _____ (Words) Per Cubic Yard	\$ _____	\$ _____
6.	500	Potentially Hazardous Overburden Excavation	C.Y.	
		\$ _____ (Words) Per Cubic Yard	\$ _____	\$ _____
7.	250	Hazardous Overburden Disposal	TON	
		\$ _____ (Words) Per Ton	\$ _____	\$ _____

8.	500	Potentially Hazardous Soil Excavation	C.Y.	
		\$ _____ (Words) Per Cubic Yard	\$ _____	\$ _____
9.	150	Hazardous Soil Disposal	TON	
		\$ _____ (Words) Per Ton	\$ _____	\$ _____
10.	80	Bulk Drum Waste Management	TON	
		\$ _____ (Words) Per Ton	\$ _____	\$ _____
11.	20	Spill Residue Management	TON	
		\$ _____ (Words) Per Ton	\$ _____	\$ _____
12.	1	Staging Area	L.S.	
		\$ _____ (Words) Lump Sum	\$ _____	\$ _____
13.	2,000	Drum Handling and Overpack	EA	
		\$ _____ (Words) Per Each	\$ _____	\$ _____
14.	30	Roll-Off Bin	EA/Week	
		\$ _____ (Words) Per Each	\$ _____	\$ _____

Total Bid Items 1-14 \$ _____

Washington State Sales Tax (7.9%) \$ _____

Grand Total \$ _____

ADDENDA RECEIVED

1. The Contract amount shall be the lump sum or unit price of each item. Correct extensions based on the unit prices bid and the approximate quantities shown are for the comparison of bids only and payments for unit priced items will be based on actual quantities measured in accordance with the requirements of the Contract Specifications. Limits of lump sum priced items will be as described in the Contract Plans and Specifications.

The undersigned has checked the above amounts and understands that the OWNER will not be responsible for any errors or omissions on the part of the undersigned in making up this proposal.

2. The undersigned understands that the OWNER reserves the right to reject any or all bids and to waive any informality in bids received that in the judgment of the OWNER is in the best interest of the OWNER.
3. It is agreed that this proposal may not be withdrawn within a period of sixty (60) days after the date set for the opening thereof.
4. Enclosed herein is cash, certified check, cashier's check, or surety bond for the sum of _____, dollars - not being less than five percent (5%) of the total amount of this proposal; and the undersigned agrees that, in case of his default in executing the Contract and the necessary bonds after award and due notice thereof, the cash, certified check, cashier's check, or surety bond and the money payable thereon shall become and remain the property of the OWNER, as liquidated damages without proof of actual loss.
5. In accordance with the Specifications, the undersigned further agrees to so plan the work and to prosecute it with such diligence that said work shall be commenced within ten (10) calendar days after the OWNER issues a Notice to Proceed with the work to the Contractor. All work schedules on this project shall be completed in accordance with Section 1-08.5 of the Specifications.
6. Receipt of the following Addenda to the Plans and/or Specifications is hereto acknowledged:

<u>Addendum No.</u>	<u>Addendum Receipt Date</u>	<u>Signed Acknowledgment</u>
1	_____	_____
2	_____	_____
3	_____	_____
4	_____	_____

(NOTE: Failure to acknowledge receipt of the addenda may be considered as an irregularity in the proposal.)

7. List of Subcontractors: Pursuant to 1999 legislative changes to RCW 39.30.060, for every contract that is expected to cost **one million dollars or more** for the construction, alteration, or repair of any

public work, the bidder shall list as part of its bid either itself or the names of the subcontractors with whom the bidder, if awarded the contract, will subcontract for performance of the work of heating, ventilation and air conditioning, plumbing as described in chapter 18.106 RCW, and electrical as described in chapter 19.28 RCW. The bidder shall not list more than one subcontractor for each category of work identified, unless subcontractors vary with bid alternates, in which case the bidder must indicate which subcontractor will be used for which alternate. Failure of the bidder to submit as part of the bid the names of such subcontractors or to name itself to perform such work or the naming of two or more subcontractors to perform the same work shall render the bidder's bid non-responsive and, therefore, void. The requirements of this section to name the bidder's proposed heating, ventilation and air conditioning, plumbing, and electrical subcontractors applies only to proposed heating, ventilation and air conditioning, plumbing, and electrical subcontractors who will contract directly with the general contractor submitting the bid to the County.

The County requires the bidder to identify who will perform the following work identified. Please list either the bidder's name, or if a subcontractor will be performing this work, list that firm's name. If the identified description of work is not applicable, note that the identified work is not applicable.

<u>Description of Work</u>	<u>Name of Firm</u>	<u>Technical Specifications, including</u> <u>not limited to the</u> <u>following</u>
HVAC system	_____	_____
Plumbing	_____	_____
Electrical	_____	_____

8. The following list identifies categories of work and firms whose subcontract will exceed ten percent of the submitted bid price. This must be submitted as part of the bid or within one hour after the published bid submittal time in order to fulfill the requirements of RCW 39.04.010.

<u>Contractor Firm Name</u>	<u>Contractor Number</u>	<u>Category</u>	<u>Amount</u>
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____
6.	_____	_____	_____

(Bidder)

(Date)

(Contractor's License No.)

By _____
(Authorized Official)

(Address)

NOTES:

1. If the Bidder is a co-partnership, so state, giving firm name under which business is transacted.
2. If the Bidder is a corporation, this proposal must be executed by its duly authorized officials.

STATEMENT OF INTENDED SURETY

(Required if Bid Deposit is NOT a Surety Bond)

Furnish with your sealed bid a written statement prepared and signed by your intended sureties, or surety company, to the effect that: _____ (Name of Surety) will promptly provide a performance and payment bond in the amount of 100 percent of the Bid Proposal in the event _____ (Bidder's Name) is awarded **Ephrata Landfill Drum Removal**, the County of Grant and the proposed Construction Contract is acceptable to the Surety.

This statement, if required, must be included in your sealed Bid Proposal for your Bid Proposal to be considered.

Name of Bidder

(Seal if Corporation)

By _____

Title _____

Date _____

BID BOND

KNOW ALL MEN BY THOSE PRESENT, that we _____, _____ of _____, as PRINCIPAL, and the _____, a corporation duly organized under the laws of the State of _____ and authorized to do business in the State of Washington, as surety, are held and firmly bound unto Grant County in the full and penal sum of five (5) percent of the total amount of the Bid Proposal of said PRINCIPAL for the work hereinafter described for the payment of which, well and truly to be made, we bind our heirs, executors, administrators and assigns, and successors and assigns, firmly by these presents.

The condition of this bond is such that, the PRINCIPAL herein is herewith submitting his or its sealed Bid Proposal for the following construction, to wit:

Ephrata Landfill Drum Removal

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

NOW, THEREFORE, if the said Bid Proposal submitted by the said PRINCIPAL be accepted, and the Contract be awarded to said PRINCIPAL, and if the said PRINCIPAL shall duly make and enter into and execute said Contract and shall furnish the Performance and Payment Bond as required by Grant County within a period of ten (10) calendar days from and after said award, exclusive of the day of such award, then this obligation shall be null and void, otherwise it shall remain and be in full force and effect.

IN TESTIMONY WHEREOF, the PRINCIPAL and surety have caused these presents to be signed and sealed this _____ day of _____, 2006.

Principal

Principal

Surety

Attorney-in-Fact

NON-COLLUSION AFFIDAVIT

STATE OF WASHINGTON)

) ss

COUNTY OF GRANT)

_____, being duly sworn, on his/her oath, says that the Bid Proposal above submitted is a genuine and not a sham or collusive Bid Proposal, or made in the interest of or on the behalf of any person not therein named; and he/she further says that the said Bidder has not directly or indirectly induced or solicited any Bidder or corporation to refrain from bidding; and that said Bidder has not in any manner sought by collusion to secure to themselves an advantage over any other Bidder or Bidders.

Contractor

Subscribed and sworn to before me this _____ day of _____, 2006.

Notary Public in and for the

State of Washington

My appointment
expires _____

CONTRACT

THIS AGREEMENT, between the Board of County Commissioners of Grant County, State of Washington, acting under and by virtue of Chapter 36.77 of the Revised Code of Washington, as amended, hereinafter called the County, and _____, for itself, its heirs, executors, administrators, successors and assigns, hereinafter called the Contractor.

WITNESSETH:

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

DESCRIPTION OF WORK:

1. The Contractor shall do all work and furnish all tools, materials, and equipment necessary to improve and complete **Ephrata Landfill Drum Removal**, located in Grant County, Washington, as proposed in a bid opened **1:30 P.M., Tuesday, February 26, 2008** in accordance with and as described in the herein attached plans and standard specifications, and in full compliance with the terms, conditions, and stipulations herein set forth and attached, now referred to any by such reference incorporated herein and made part hereof as fully for all purposes as if here set forth at length, and shall perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work may be ordered as provided in this contract and every part thereof.
2. The Contractor shall provide and be at the expense of all materials, labor, carriage, tools, implements and conveniences and things of every description that may be requisite for the transfer of materials and for constructing and completing the work provided for in this contract and every part thereof.
3. The County hereby promises and agrees with the Contractor to employ, and does employ the Contractor to provide the materials and to do and cause to be done the above described work and to complete and finish the same according to the attached plans and specifications and the terms and conditions herein contained, and hereby contracts to pay for the same according to the attached specifications and the schedule of unit or itemized prices hereto attached, at the time and in the manner and upon the conditions provided for in this contract and every part thereof. The County further agrees to employ the Contractor to perform any alterations in or additions to the work covered by this contract and every part thereof and any force account work that may be ordered and pay for same under the terms of this contract and the attached plans and specifications.
4. The Contractor for himself, and for his heirs, executors, administrators and assigns, and successors and assigns, does hereby agree to the full performance of all the covenants herein contained upon the part of the Contractor.

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

IN WITNESS WHEREOF, the said Contractor has executed this instrument, and the said Board of County Commissioners of Grant County has caused this instrument to be executed by and in the name of said Board by its Members, duly attested by its Clerk, the day and year below written, and the seal of said Board to be hereunto affixed on said date.

____ day of _____, 2008

Signature

Print Name

Firm Name

Address

City State Zip

(____) _____
Phone

ATTEST:

Clerk of the Board

APPROVED AS TO FORM:

____ day of _____, 2008

Chief Civil Deputy Prosecuting Attorney

BOARD OF COUNTY COMMISSIONERS
OF GRANT COUNTY, WASHINGTON

Done this ____ day of _____, 2008

Chair

Member

Member

CONTRACT BOND

KNOW ALL MEN BY THESE PRESENTS:

That we, the undersigned, _____, as principal, and _____, a corporation organized and existing under the laws of the State of _____, as surety corporation, and qualified under the laws of the State of Washington to become surety upon bonds of contractors with municipal corporations, as surety, are jointly and severally held and firmly bound to Grant County, Washington, in the penal sum of _____

(\$ _____) for the payment of which sum on demand we bind ourselves and our successors, heirs, administrators or personal representatives, as the case may be.

This obligation is entered into in pursuance of the statutes of the State of Washington, the Ordinances of Grant County, Washington.

Dated at _____, Washington, this ____ day of _____, 2008.

The conditions of the above obligation are such that:

WHEREAS, on **February 26, 2008**, the Board of County Commissioners of said Grant County has let or is about to let to the Principal, a certain contract, the said contract providing for the improvement of **Ephrata Landfill Drum Removal**, located in Grant County, Washington, (which contract is referred to herein and is made a part hereof as though attached hereto), and

WHEREAS, the said Principal has accepted, or is about to accept, the said contract, and undertake to perform the work therein provided for in the manner and within the time set forth;

NOW, THEREFORE, if the said Principal shall faithfully perform all of the provisions of said contract in the manner and within the time therein set forth or within such extensions of time as may be granted under said contract, and shall pay all laborers, mechanics, subcontractors and material men, and all persons who shall supply said Principal or subcontractors with provisions and supplies for the carrying on of said work, and shall hold said Grant County harmless from any loss or damage occasioned to any person or property by reason of any carelessness or negligence on the part of said Principal, or any subcontractor in the performance of said work and shall indemnify and hold Grant County harmless from any damage or expense by reason of failure of performance as specified in said contract or from defects appearing or developing in the material or workmanship provided or performed under said contract, and until the same is accepted, then and in that event this obligation shall be void but otherwise it shall be and remain in full force and effect.

Countersigned:

Licensed Agent/Surety Co.

Principal

Attorney-in-Fact, Surety

Approved as to form:

(_____) _____
Firm, Street Address (No P.O. Box), Phone of Local Office of Agent

_____, 2008

Prosecuting Attorney

INSTRUCTIONS TO BIDDERS

1. INTENT OF PLANS AND SPECIFICATIONS

It is the intention of these Specifications to provide for careful, thorough, and workmanlike construction procedures in the installation of materials and equipment and in the manufacture and delivery of such materials and equipment. The Bidder to whom the contract is awarded shall furnish all the material and labor necessary to complete said contract in accordance with all of its terms and conditions.

The Plans and Specifications shall be considered and used together; anything appearing as a requirement of either shall be accepted as applicable to both even though not so stated therein or shown. The ENGINEER may furnish supplemental plans and specifications to define more clearly any requirement of the original documents; these shall be accepted by the Contractor as of the same force and effect as though they had been included among the original drawings and in case of any conflict between the original and the supplemental drawings, the latter shall govern. The Contractor shall not be entitled to extra payment because of his compliance with the requirements of such supplemental drawings unless they contain new requirements involving costs which clearly could not have been anticipated by an experienced Contractor in his examination of the original drawings or could not reasonably be inferred there from as requirements of the contract.

All Specifications and notes appearing on the Plans shall have the same force and effect as though they were repeated herein.

2. EXAMINATION OF CONTRACT DOCUMENTS

Each Bidder shall thoroughly examine and be familiar with legal and procedural documents, general conditions, Specifications, Plans, and Addenda (if any). The submission of a proposal shall constitute an acknowledgment that the Bidder has thoroughly examined and is familiar with the contract documents. The failure or neglect of a Bidder to receive or examine any of the contract documents shall in no way relieve the Bidder from any obligations with respect to the Bidder's proposal or to the Contract. No claim for additional compensation will be allowed which is based upon a lack of knowledge of any contract document, and the OWNER will in no case be responsible for any loss or for unanticipated costs that may be suffered by the Contractor as a result of conditions pertaining to the work.

3. EXAMINATION OF SITE AND CONDITIONS

Before making a proposal, the Bidder shall examine the site of the work and ascertain for themselves all the physical conditions in relation thereto. Failure to take this precaution shall not release the Bidder from the Bidder's obligation as implied by the proposal the Bidder submits nor excuse the Bidder from performing the work in strict accordance with the requirements of the contract documents.

No statement made by any officer, agent, or employee of the OWNER pertaining to the site of the work or the conditions under which the work must be performed will be binding on the OWNER.

4. SUBSURFACE EXPLORATION DATA

The following subsurface exploration and soils data are available for review at the County Engineer's office.

- a. Ephrata Landfill WAC 173-351 Permit Application.
- b. Ephrata Landfill Expansion Area WAC 173-351 Permit Application.

5. ADDENDA AND INTERPRETATIONS OF DOCUMENTS

No interpretation of meaning of the Plans, Specifications or other pre-bid documents will be made to any Bidder orally. Every request for such interpretation shall be submitted in writing, addressed to Parametrix, Inc., 411 108th Avenue N.E., Suite 1800, Bellevue, Washington 98004-5571, or faxed to (425) 458-6363, and to be given consideration, shall be received at least five (5) working days prior to date fixed for opening of bids. Any and all such interpretations and any supplemental instructions will be in the form of written addenda to the Specifications which, if issued, will be mailed or otherwise delivered to each prospective Bidder. Failure of any Bidder to receive any such addendum shall not relieve such Bidder from any obligation under his bid as submitted. All addenda so issued shall become a part of the contract documents.

6. PREPARATION OF PROPOSAL

Bids must be submitted by filling in with ink (or typing) each and every blank provided for such purpose in the form headed "Proposal." Where indicated, all blank spaces shall be filled in with words and figures. Consideration of bids shall be according to Section 1-03.1.

If the proposal is made by a partnership, it should contain the name of each partner and should be signed in the firm name, followed by the signature of a partner or that of a person duly authorized to act for and on behalf of such partnership. If made by a corporation, the proposal should be signed with the name of the corporation and the state in which incorporated, followed by the written signature of the qualified officer and the designation of the office he holds in the corporation.

The address of the person, firm or corporation in whose behalf the proposal is submitted shall be given. The Bidder shall comply with all other specific requirements of the proposal form.

7. APPROXIMATE QUANTITIES

On all items on which bids are to be received on a unit price basis the quantities stated in the bid will not be used in establishing final payment due the Contractor. The quantities stated, on which unit prices are invited, are approximate only, and each Bidder shall make their own estimate from the Plans of the quantities required on each item and calculate his unit price bid for each item accordingly. Bids will be compared on the basis of number of units stated in the bidding schedule. Payment on the contract on unit price items will be based on the actual number of units installed in the completed work.

8. MATERIAL SUBSTITUTION

Each Bidder shall base their bid upon the materials and equipment as described in the bidding documents. The successful Contractor will not be allowed to make any substitutions on their own initiative, but in each instance will be required to obtain authorization from the OWNER before installing any work in variance with the requirements of the contract documents.

9. SUPPLEMENTAL SCHEDULE OF UNIT PRICES

Where the proposal form requires a lump sum bid for a particular item (or items) and further requires the Bidder to submit a supplemental schedule of unit prices for possible construction changes in such item(s), the OWNER may, if it considers such unit prices reasonable, include these prices in the construction contract. If the OWNER considers such unit prices as unreasonable the OWNER may omit them from the construction contract. Rejection prior to execution of the contract of such unit prices for construction changes as stated in the bid shall not otherwise affect the balance of the bid or construction contract.

10. ALTERATION OF DOCUMENTS PROHIBITED

Except as may be provided otherwise herein, proposal forms which are incomplete, are conditioned in any way which the Plans or Specifications do not authorize, contain unverified erasures or alterations, include items which are not named in the proposal form or which are unlawful, may be rejected as informal.

11. SUBMISSION OF PROPOSAL

Each proposal form shall be completely sealed in a package addressed as required by the official advertisement, marked with the name of the Bidder and the title of the project; it must be delivered to the address at or before the time named in said advertisement. If forwarded by mail, the sealed envelope containing the proposal shall be enclosed in another envelope addressed as specified in the proposal form.

12. MODIFICATION OF PROPOSAL

Changes in a proposal form already delivered will be permitted only if a request for the privilege of making such modification is made in writing signed by the Bidder and the specific modification itself is stated prior to the scheduled closing time for the receipt of proposals. To be effective every modification must be made in writing over the signature of the Bidder; no other form of procedure will be acceptable.

13. BID SECURITY

Each bid must be accompanied by a bid deposit, which may be cash, certified check, cashier's check, or surety bond duly executed by the Bidder as principal and having as surety thereon a surety company authorized to issue such bonds in Washington in the amount of 5 percent of the total bid.

If the bid deposit is not a surety bond, a Statement of Intended Surety must be provided with proposal form.

14. RETURN OF BID SECURITIES

The bid deposits will be returned promptly to all bidders with the exception of the 1st and 2nd low bidders. The bid deposits of the 1st and 2nd low bidders shall be returned after the OWNER and the accepted Bidder have executed the contract for the work, or, if award has not been made within sixty (60) days after the date of the opening of bids, upon demand of the Bidder at any time thereafter, so long as the Bidder has not been notified of the acceptance of his bid. The successful Bidder, upon the successful Bidder's failure or refusal to execute and deliver the contract and bonds required within ten (10) calendar days after the successful Bidder has received notice of the acceptance of the successful Bidder's bid, shall forfeit to the OWNER, as liquidated damages for such failure or refusal, the security deposited with the successful Bidder's bid. If all bids are rejected the securities will be returned at the time of rejection.

15. WITHDRAWAL OF PROPOSAL

A proposal may be withdrawn at any time prior to the scheduled closing time for filing bids. This may be done by the Bidder in person, or upon his telegraphic or written request. A telephoned request for withdrawal of a proposal will not be recognized for this purpose. If withdrawal is made personally, a written acknowledgment thereof will be required.

After the scheduled closing time for filing bids, no Bidder will be permitted to withdraw their proposal unless no award of contract has been made prior to sixty (60) days immediately following the scheduled closing time for bids. Bids received after the scheduled closing time will be returned to the Bidder unopened.

16. QUALIFICATION OF BIDDERS

It is the intention of the OWNER to award a contract only to a Bidder who furnishes satisfactory evidence that the Bidder has the requisite experience and ability and that the Bidder has sufficient capital, facilities, and plant to enable the Bidder to prosecute the work successfully and promptly, and to complete the work within the time specified in the Contract Documents.

The OWNER may make such investigations deemed necessary to determine the ability of the Bidder to perform the work and the Bidder shall furnish to the OWNER all such information and data for this purpose as the OWNER may request.

Each Bidder shall possess state and local licenses in accordance with the applicable state and local laws and shall furnish satisfactory proof to the OWNER upon request that the licenses are in effect during the entire period of the contract.

17. DISQUALIFICATION OF BIDDERS

More than one bid for the same work described in this document, from an individual, firm or partnership, a corporation or an association under the same or different names, will not be considered. Reasonable grounds for believing that any Bidder is interested in more than one bid for the work contemplated will cause the rejection of all bids in which such Bidder is interested. If there are reasonable grounds for believing that collusion exists among the Bidders, the bids of the participants in such collusion will not be considered.

TITLE VI – CONTRACTOR REQUIREMENTS

During the performance of this contract, the contractor/consultant, for itself, its assignees and successors in interest (hereinafter referred to as the “contractor”) agrees as follows:

1. Compliance with Regulations

The contractor shall comply with the Regulations relative to non-discrimination in federally assisted programs of United States Department of Transportation (USDOT), Title 49, Code of Federal Regulations, part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

2. Non-discrimination

The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, sex, or national origin in the selection and retention of sub-contractors, including procurement of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

3. Solicitations for Sub-contracts, Including Procurement of Materials and Equipment

In all solicitations either by competitive bidding or negotiations made by the contractor for work to be performed under a sub-contract, including procurement of materials or leases of equipment, each potential sub-contractor or supplier shall be notified by the contractor of the contractor’s obligations under this contract and the Regulations relative to non-discrimination on the grounds of race, color, sex, or national origin.

4. Information and Reports

The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the contracting agency or the appropriate federal agency to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information, the contractor shall so certify to WSDOT or the USDOT as appropriate, and shall set forth what efforts it has made to obtain the information.

5. Sanctions for Non-compliance

In the event of the contractor’s non-compliance with the non-discrimination provisions of this contract, the contracting agency shall impose such contract sanctions as it or the USDOT may determine to be appropriate, including, but not limited to:

- Withholding of payments to the contractor under the contract until the contractor complies, and/or;
- Cancellation, termination, or suspension of the contract, in whole or in part

6. Incorporation of Provisions

The contractor shall include the provisions of paragraphs (1) through (5) in every sub-contract, including procurement of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any sub-contractor or procurement as the contracting agency or USDOT may direct as a means of enforcing such provisions including sanctions for non-compliance.

Provided, however, that in the event a contractor becomes involved in, or is threatened with, litigation with a sub-contractor or supplier as a result of such direction, the contractor may request WSDOT enter into such litigation to protect the interests of the state and, in addition, the contractor may request the USDOT enter into such litigation to protect the interests of the United States.

STANDARD SPECIFICATIONS

STANDARD SPECIFICATIONS

The “2006 Standard Specifications for Road Bridge and Municipal Construction” prepared by the Washington State Department of Transportation and all amendments thereto shall be hereinafter referred to as the “Standard Specifications” together with the laws of the State of Washington, so far as applicable, are hereby included in these Specifications and shall apply as though quoted in their entirety.

GENERAL PROVISIONS AMENDMENTS TO THE STANDARD SPECIFICATIONS

The following Amendments to the Standard Specifications are made part of this contract and supersede any conflicting provisions of the Standard Specifications. For informational purposes, each Amendment title indicates the implementation date of the Amendment or the latest date of revision.

Each Amendment contains all current revisions to the applicable section of the Standard Specifications and may include references which do not apply to this particular project.

SPECIAL PROVISIONS

The following Special Provisions are made a part of this contract documents and supersede any conflicting provisions of the 2006 Standard Specifications for Road, Bridge, and Municipal Construction, and the foregoing amendments to the Standard Specifications. Division and subdivision numbers of this document refer to a corresponding number in the Standard Specifications. Unused division and subdivision numbers in the Standard Specifications are used to specify items of work and materials that are not included in the Standard Specifications. All provisions of the Standard Specifications, which are not so amended, replaced, deleted, or supplemented, remain in full force and effect. In case of conflict, the Special Provisions shall take precedence over the Standard Specifications.

STANDARD PLANS

The “Standard Plans for Road, Bridge, and Municipal Construction,” prepared by the Washington State Department of Transportation shall be hereinafter referred to as the “Standard Plans.”

GENERAL STIPULATIONS

GENERAL STIPULATIONS

INTRODUCTION

The following Amendments shall be used in conjunction with the 2006 Standard Specifications for Road, Bridge, and Municipal Construction.

AMENDMENTS TO THE STANDARD SPECIFICATIONS

The following Amendments to the Standard Specifications are made part of this contract and supersede any conflicting provisions of the Standard Specifications. For information purposes, the date following each Amendment title indicates the implementation date of the Amendment or the latest date of revision.

Each Amendment contains all current revisions to the applicable section of the Standard Specifications and may include references which do not apply to this particular project.

END LEGAL DOCUMENTS

SPECIAL PROVISIONS

1-02 BID PROCEDURES AND CONDITIONS

1-02.1 Qualifications of Bidder

Section 1-02.1 is replaced with the following:

Bidders shall be qualified by training, certification, licensing, experience, financing, equipment, and organization to do the work called for in the plans and specifications. The Contracting Agency reserves the right to take whatever action it deems necessary to ascertain the ability of the bidder to perform the work satisfactorily. The Contracting Agency's actions may include a pre-qualification procedure prior to the bidder being furnished a proposal form on any Contract, or a pre-award survey of the bidder's qualifications prior to award.

1-02.2 Plans and Specifications

Section 1-02.2 is replaced with the following:

Copies of the Plans and Specifications may be obtained from Grant County Public Works Department, 124 Enterprise St. S.E., Ephrata, Washington, 98823, in accordance with conditions as set forth in the Notice to Contractors.

After award of the Contract, up to five (5) sets of Plans and Specifications will be provided to the Contractor at no charge. Additional copies of the Plans and Specifications may be obtained on request by paying the actual cost of reproduction.

1-02.6 Preparation of Proposal

Section 1-02.6 is supplemented with the following:

For purposes of bid evaluation, state sales tax (adjusted to local rates) shall be applied to the entire subtotal of all bid items. For payment, sales taxes will be calculated based on all applicable laws.

On this project, the bidder shall be required to submit with the bid a list of:

6. Subcontractors.
7. The work the subcontractors will perform.

1-02.9 Delivery of Proposal

Section 1-02.9 first paragraph is replaced with the following:

Proposal Forms, found in the Bid Documents, shall be submitted in a sealed envelope clearly marked: "Bid for Ephrata Landfill Drum Removal." The name and address of the company submitting the proposal shall be marked on the envelope.

1-02.15 Pre-Award Information

Section 1-02.15 is supplemented with the following:

7. Firm, Superintendent, and employee qualifications and experience, and firm financial resources.

1-03 AWARD AND EXECUTION OF CONTRACT

1-03.2 Award of Contract

Section 1-03.2 is supplemented with the following:

The Award of the Contract is conditioned upon the amount of funds, including contingency, available for the Contract.

1-03.7 JUDICIAL REVIEW

Any decision made by the Contracting Agency regarding the award and execution of the Contract, or bid rejection, shall be conclusively subject to the scope of judicial review permitted under Washington State Law. Such review, if any, shall be timely filed in the Superior Court of Grant County, Washington.

1-04 SCOPE OF WORK

1-04.3 Project Description (New Section)

This work includes removing approximately 2,000 buried steel “55 gallon” drums which were placed in a stack in 1975 and since buried with solid waste and soil at the Ephrata Landfill. The drums are thought to be stacked three layers deep in the area shown on the Plans. The drums are thought to contain solidified paint sludges, organics, inorganics, and solvents from manufacturing sources. The Contractor will build the drum staging area specified herein and shown in the Plans, remove the drums from their present location, place them in overpack drums, and place the overpacked drums in the staging area. The drums will be sampled, analyzed and disposed of by others. The Contractor will need to accommodate the activities of the drum disposal contractor within the staging area and onsite (e.g. testing, grouping similar drums, loading). The Contractor will then decommission the staging area once all drums are removed.

The drums are covered by approximately 15 feet of commingled solid waste and rocky soil (overburden). The Contractor will remove overburden without driving heavy equipment or vehicles over the drums or otherwise damaging the drums. Due to the anticipated depths (to about 30 feet), the Contractor will lay back excavation side slopes for safe access to the drums. Laying back slopes will expose about 3,000 square yards of refuse that will need to be promptly covered with daily cover consisting of at least 6 inches of borrow material from the on-site borrow area or a temporary film or membrane approved by the ENGINEER. Borrow used for side slope daily cover will be left in place as part of the backfill.

The Contractor will dispose of overburden more than a foot above the drums or more than three feet away from the sides of the drums in the active area of the landfill. The Contractor will segregate overburden within one foot above the drums and three feet alongside the drums because that material is considered to be potentially contaminated by drum leakage.

The drums may have leaked into underlying soil, which the ENGINEER will identify. The Contractor will at times need to delay daily cover placement to accommodate sampling and testing by the ENGINEER. The Contractor shall provide excavation as directed by the ENGINEER to collect soil samples and removing potentially contaminated soil to the extent required by the ENGINEER. Contractor shall decontaminate the excavator bucket before collecting each sample. Limited potentially contaminated soil volumes are anticipated because of shallow bedrock.

The Contractor will segregate potentially contaminated overburden and soil in lined, hard-lidded, gasketed roll-off bins for sampling, testing and waste designation and coding by the ENGINEER. The Contractor will dispose of material designated hazardous offsite. The Contractor will dispose of non-hazardous material in the active landfill.

Portions of the drum stack might consist of badly deteriorated drums, associated waste, and commingled soil and overburden (bulk drum waste). Some drums might rupture when handled, resulting in a mixture of drum waste, overburden, soil and cleanup materials (spill residue). The Contractor will segregate bulk drum waste and spill residue in lined, hard-lidded, gasketed roll-off bins for sampling, testing and waste designation and coding by the ENGINEER. The Contractor will dispose of these materials offsite.

The Contractor will backfill the excavation in two foot lifts and thoroughly rolled each lift with equipment once drums are removed and contaminated soils are removed to the extent feasible or surveyed in place where removal is not feasible.

The OWNER will provide traffic control on the landfill. The work area will be isolated from site traffic, which includes private vehicle traffic. The Contractor is required to top the excavation with borrow and track-walk the surface. The OWNER will restore the landfill roads.

There are no electrical power, water supply or toilet facilities near the work area. There is no onsite water supply sufficient for watering. The Contractor will need to obtain water for watering offsite. Watering will not be allowed within the drum excavation. There are trees, a fence and part of drip irrigation system along the north edge of the excavation area. The Contractor will be required to salvage wooden fence posts for the OWNER, dispose of metal fence fabric onsite (free of charge), dispose of trees offsite, and move or cap the drip system.

1-05 CONTROL OF WORK

1-05.3 Plans and Working Drawings

Section 1-05.3 is supplemented with the following:

“The CONTRACTOR shall submit three (3) prints of working or shop drawings with For Information Only (FIO) designation and six (6) prints of working or shop drawings with County Approval (CA) designation to the ENGINEER as to the method of construction and design prior to commencement of the work under the contract or delivery to the project site of any equipment or material covered by the drawings, whichever is later. Approval of the ENGINEER is not required for information only submittals. The ENGINEER reserves the right to require the CONTRACTOR to resubmit any item found not to comply with the contract. This does not relieve the CONTRACTOR from the obligation to furnish material conforming to the plans and specifications and will not prevent the ENGINEER from requiring removal or replacement of nonconforming material incorporated into the work. This does not relieve the CONTRACTOR of the requirement to furnish samples for testing by the ENGINEER’S laboratory or for check testing by the ENGINEER in those instances where the technical specifications so prescribe.

Submittals will be monitored and spot checks will be made. When such checks indicate non-compliance, the CONTRACTOR will be notified by the same method used for County approval. An additional completed transmittal form shall be submitted (without attachments) which will be returned to the CONTRACTOR to signify the submittal has been received.”

At the pre-construction meeting, the CONTRACTOR shall submit a list of submittals to the County.

The following checklist is intended to aid in the preparation of the Transmittal Form and related transmittals and is intended only as a partial summary of requirements stated elsewhere within this specification.

1. Use originals of the Transmittal Form. Do NOT use photocopies.
2. Do NOT submit multiple 5-digit specification sections on one Transmittal Form.
3. Subsequent submittals shall be numbered sequentially as submitted except for resubmittals. Resubmittals must be related to the parent (original) transmittal (i.e., transmittal No. 2 resubmittal would be number 2A, etc.).
4. County Approval (CA): Submit five copies of enclosures, each with Transmittal Form attached. For Information Only (FIO): Submit three copies of enclosures, each with Transmittal Forms attached and one additional copy of the Transmittal Form.
5. Break the submittal into items, which can be reviewed independently. For a transmittal with more than nine items, use multiple sets of Transmittal Forms.
6. Item numbers must be written on the enclosures and the Transmittal Form (column A).
7. There shall be a reviewer’s set with one copy of all items (not the originals) with the remainder of the submittal having each item and associated copies in separate bundles.
8. Each item of an enclosure shall be “approval stamped” by the CONTRACTOR.
9. Enter the specification technical paragraph for each item in column “e” on the Transmittal Form.
10. Identify the contract drawing number that applies, if applicable in column “f” on the Transmittal Form.
11. Variations shall be identified in column “g” on the Transmittal Form and justified in the Remarks Block and five copies submitted for County Approval.
12. Cross out inapplicable portions of submitted data or point to exact equipment being used on the project.
13. Allow a minimum of 7 days for submittals requiring County Approval. Justify exceptions for shorter periods.
14. SIGN the Transmittal Form.

TRANSMITTAL OF SHOP DRAWINGS, EQUIPMENT DATA, MATERIAL SAMPLES, OR MANUFACTURER'S CERTIFICATES OF COMPLIANCE (Read Instructions on the reverse side prior to initiating this form)	DATE	<input type="checkbox"/> NEW SUBMITTAL <input type="checkbox"/> RESUBMITTAL
--	------	--

Section I REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS (This section will be initiated by the contractor)

TO:	FROM:	CONTRACT NO.	TRANSMITTAL NO.
			PREVIOUS TRANS.NO. (If any)

SPECIFICATION SEC.NO. (Cover only one section with each transmittal)	PROJECT TITLE AND LOCATION
--	----------------------------

ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, size, model number, etc.)	MFG. OR CONTR. CAT., CURVE DRAWING OR BROCHURE NO. (See instruction No.8)	NO. OF COPIES	CONTRACT REFERENCE DOCUMENT		VARIATION (See instruction No. 6)	FOR C E USE CODE
				SPEC. PARA. NO.	DRAWING SHEET NO.		
a.	b.	c.	d.	e.	f.	g.	h.

REMARKS	I certify that the above submitted items have been reviewed in detail and are correct and in strict conformance with the contract drawings and specifications except as otherwise stated. NAME AND SIGNATURE OF CONTRACTOR
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Section II APPROVAL ACTION

ENCLOSURES RETURNED (List by Item No.)	NAME, TITLE, SIGNATURE OF APPROVING AUTHORITY	DATE

INSTRUCTIONS FOR TRANSMITTAL FORM

1. Section I will be initiated by the Contractor in the required number of copies.
2. Each transmittal shall be numbered consecutively in the space provided for "Transmittal No." This number, in addition to the contract number, will form a serial number for identifying each submittal. For new submittals or resubmittals, mark the appropriate box; on resubmittals, insert transmittal number of last submission as well as the new submittal number.
3. Submittals requiring expeditious handling will be submitted on a separate form.
4. Separate transmittal form will be used for submittals under separate sections of the specifications.
5. A check shall be placed in the "Variation" column when a submittal is not in accordance with the plans and specifications. Also, a written statement to that effect shall be included in the space provided for "Remarks."
6. Form is self-transmittal; letter of transmittal is not required.
7. When a sample of material or Manufacturer's Certificate of Compliance is transmitted, indicate "Sample" or "Certificate" in column c, section I.
8. The owner will assign action codes as indicated below in space provided in section I, column h, to each item submitted. In addition, they will ensure enclosures are indicated and attached to the form prior to return to the contractor.

THE FOLLOWING ACTION CODES ARE GIVEN TO ITEMS SUBMITTED

A – Approved as submitted	E – Disapproved (<i>See attached</i>)
B – Approved, except as noted on drawings.	F – Receipt acknowledged
C – Approved, except as noted on drawings. Refer to attached sheet resubmission required.	FX – Receipt acknowledged, does not comply as noted with contract requirements.
D – Will be returned by separate correspondence.	G – Other (Specify)

9. Approval of items does not relieve the contractor from complying with all the requirements of the contract plans and specifications.

1-05.4 Conformity with and Deviations from Plans and Stakes

Section 1-05.4 is supplemented with the following:

The OWNER shall provide a minimum of two horizontal and one vertical control points for use by the Contractor. All other survey work needed for construction and acceptance of this project is the sole responsibility of the Contractor. The Contractor shall stake the drum are grid points shown on the Plans. The Contractor shall set any construction stakes and marks needed to establish the lines, grades, slopes, and cross sections to govern the work. The Contractor shall take full responsibility for detailed dimensions, elevations, and slopes. The ENGINEER/OWNER reserves the right to enter the work area to verify the accuracy of all

marks and stakes and the accuracy of all excavation and rough grading as needed. The Contractor shall provide before and after surveys for excavation and borrow quantities. Survey points shall be 25 feet on-center or closer, and include all grade breaks and top and bottom of slopes. All topographic surveys performed by the Contractor shall be stamped by a professional surveyor licensed in the State of Washington. The Contractor shall submit surveys 1) full size hard copy (4 copies), and 2) electronic file in AutoCADD file format.

1-05.6 Inspection of Work and Materials

Section 1-05.6 is supplemented with the following:

To ensure that the work is accomplished in accordance with the Plans and these Specifications, the ENGINEER and OWNER will perform construction quality assurance as described in the Construction Quality Assurance (CQA) Plan provided in Attachment A.

The CONTRACTOR shall assist the ENGINEER and OWNER in testing and measurement of the work. The CONTRACTOR shall supply manpower and equipment to assist in this testing and measurement.

1-05.10 Guarantees

Section 1-05.10 is supplemented with the following:

The Contractor agrees the above one year limitation shall not exclude or diminish the OWNER'S rights under any law to obtain damages and recover costs resulting from defective and unauthorized work discovered after one year but prior to the expiration of the legal time period set forth in RCW 9.16.040 limiting actions upon a Contract in writing or liability, expressed or implied, arising out of a written agreement.

1-05.12 Final Acceptance

Section 1-05.12 is supplemented with the following:

Progress payments shall not be construed as acceptance of any work under this Contract. The OWNER shall not be barred from requiring the Contractor to remove, replace, repair, or dispose of any unauthorized or defective work or from recovering damages from any such work or material.

1-05.14 Cooperation with Other Contractors

Section 1-05.14 is supplemented with the following:

It is anticipated that the following work adjacent to or within the limits of this project will be performed by others during the life of this project.

1. Daily landfill operations, activities, and construction by others at the Ephrata Landfill will be in progress during construction. The landfill's hours of operation are as noted in Section 1-08.0(2). The Contractor shall cooperate with the landfill staff and schedule work to ensure that there will be no interference or interruption of the existing landfill operations. The Contractor shall not use any of the landfill facilities except as noted in these Specifications.

2. Transport and disposal of drums and contents by others from the drum staging area. The Contractor shall cooperate with disposal staff to ensure that all drums are disposed of properly.
3. Landfill closure construction south and west of the drum area, including grading, subgrade preparation, geosynthetic liner and cover system installation, piping, and landfill gas flare station construction.

1-05.16 On-Site Traffic Control (New Section)

The Contractor's activities shall be coordinated so that landfill operations are not impacted. Access for the Contractor shall be through the main entrance. The Contractor shall use the haul route shown on the Plans for access between the work and borrow areas. The OWNER will provide onsite traffic control.

1-06 CONTROL OF MATERIALS

1-06.1 Approval of Material Prior to Use

Section 1-06.1 is supplemented with the following:

Promptly after award of the Contract, the CONTRACTOR shall notify the ENGINEER, in writing, of the proposed sources of materials, suppliers, fabricators and installers including addresses, telephone numbers and names of contact persons. Approval by the ENGINEER is required for all sources of materials, suppliers, fabricators and installers before delivery is started. See Sections 7-06.3, and 8-05 for additional submittal requirements.

1-06.1(3) Submittals, Shop Drawings, Project Data, and Sample (New Section)

Fabrication of an item or construction work shall not start before the ENGINEER has taken action on the shop drawings submittal. Any such work shall be entirely at the CONTRACTOR'S risk.

The CONTRACTOR shall provide register listing all submittals and submittal dates required under this contract to the ENGINEER no later than ten (10) working days after the Notice to Proceed letter is issued.

Submittals, shop drawings, project data, and samples shall be submitted and reviewed in the following manner:

1. The CONTRACTOR shall review, stamp with his approval and submit postpaid with such promptness as to cause no delay in his work or in that of any other CONTRACTOR, the required number of copies of all shop drawings, submittals, schedules, data, and samples required for the work.
2. The CONTRACTOR shall submit to the ENGINEER five (5) copies of submittals describing the actual materials and equipment to be furnished by the CONTRACTOR for this project. The submittals shall include shop drawings, manufacturer's literature, brochures, catalog cuts, and other pertinent data, which specify the materials or equipment.

3. The ENGINEER shall review the shop drawings within five (5) working days after receipt and will affix the Shop Drawings Review Stamp with notations thereon indicating "No Exceptions Taken," "Make Corrections Noted," "Revise and Resubmit," "Submit Specified Item," or "Rejected." The ENGINEER will then forward one (1) marked up copy of the submittal to the CONTRACTOR.
4. When submittals are required to be revised or corrected and resubmitted, the CONTRACTOR shall make such revisions and/or corrections and resubmit the submittal, drawings, and other material in the same manner as specified above. Except at his own risk, the CONTRACTOR shall not undertake work covered by the submittal until the submittal is returned to the CONTRACTOR, marked "No Exceptions Taken," or "Make Corrections Noted."
5. It shall be the CONTRACTOR'S responsibility to clearly note on the submittals, and in writing specifically call to the ENGINEER'S attention, any deviations from the Contract Drawings and Specifications. No review of the submittal by the ENGINEER shall relieve the CONTRACTOR of full responsibility and at his own cost and expense to comply with the Contract Documents unless the deviations are clearly noted and in writing called to the ENGINEER'S attention as above provided, in which event subsequent acceptance by the ENGINEER in writing shall be authority for the change or changes proposed in the submittal.
6. If corrections are required, the CONTRACTOR shall make the corrections required by the ENGINEER and resubmit the same number of corrected copies to the ENGINEER as indicated above. The CONTRACTOR shall direct specific attention in writing or, on resubmitted submittals to revisions other than the corrections requested on previous submissions. The ENGINEER will return, to the CONTRACTOR, copies of the resubmitted submittal in the same manner and number as before.
7. Submittals and shop drawings shall give complete information necessary for the fabrication and installation of all the materials and equipment needed to complete the work for this project. Manufacturer's standard details, catalogues, advertising literature, etc., shall not necessarily constitute all of the shop drawings required for any unit or facility. Additional shop details designed for the particular project shall be furnished when required by the ENGINEER.
8. The ENGINEER'S review and notations on any shop drawing is understood to be an acceptance of the character of the details and not a check of any dimension or quantity and will not relieve the CONTRACTOR from responsibility for errors of any sort in shop drawings data or schedules, whether or not such errors are found by the ENGINEER in his review of such details.
9. The ENGINEER'S review and notations on any shop drawing will not relieve the CONTRACTOR of responsibility for consequences due to deviations from the Contract Documents unless the CONTRACTOR has called attention to such deviations in writing.
10. No change will be made in any drawing after it has been reviewed except by the consent or direction of the ENGINEER in writing.
11. Submittal transmittal forms provided by the ENGINEER shall accompany each and every submittal.

A separate form shall be used for each specific item, class of material, equipment, and items specified in separate, discrete sections, for which the submittal is required. Submittals for various items shall be made with a single form when the items taken together constitute a manufacturer's package or are so functionally related that expediency indicates checking or review of the group or package as whole. A unique number, sequentially assigned, shall be noted on the transmittal form accompanying each item submitted. Original submittal numbers shall have the following: "XXX," where "XXX" is the sequential number assigned by the CONTRACTOR. Resubmittals shall have the following format: "XXX-Y," where "XXX" is the originally assigned submittal number and "Y" is sequential letter assigned for resubmittals, (i.e., A, B, and C being the first, second, and third resubmittals, respectively. For example, Submittal 25B is the second resubmittal of submittal 25.

12. If the CONTRACTOR proposes to provide material or equipment, which does not conform to the Specifications and Plans, the CONTRACTOR shall indicate so under "deviations" on the transmittal form accompanying the submittal copies. The CONTRACTOR shall prepare the reason for a change, including cost differential, and shall request a Change Order to cover the deviations.
13. Submittals, which do not have all the information required to be submitted, including deviations and the required signatures are not acceptable, and will be returned without review.

1-06.1(4) Contractor's Responsibility

(New Section)

By approving and submitting submittals, shop drawing, and samples, the CONTRACTOR thereby represents that he has determined and verified all field measurements, field construction criteria, materials, catalog numbers and similar data, or will do so, and that he has checked and coordinated each submittal with the requirements of the work and of the Contract Document.

A copy of each approved shop drawing and each approved sample shall be kept in good order by the CONTRACTOR at the job site and shall be available to the OWNER.

The CONTRACTOR shall be responsible for coordination of submittals among the related crafts and Subcontractors.

Two (2) submittals of each item requiring samples and/or shop drawings will be reviewed by the ENGINEER in the regular course of the Contract. However, all subsequent reviews of the same item over two (2) will be reviewed at the expense of the CONTRACTOR unless the right to an additional review without charge was previously approved in writing by the ENGINEER. CONTRACTOR will be billed by the OWNER for all costs incurred by the OWNER in such review, including but not limited to the ENGINEER'S fees.

1-07 LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC

1-07.1 Laws to be Observed

Section 1-07.1 is supplemented with the following:

1-07.1(1) Prevention of Environmental Pollution and Preservation of Public Natural Resources (New Section)

The Contractor shall comply with the following environmental provisions, which are made as part of the Contract:

1. Grant County Clean Air Authority Regulation 1.
2. Grant County Health District Ordinance No. 1.
3. Grant County Ordinance No. 604495.

A copy of the environmental provisions is available to the Contractor at the Public Works' office.

1-07.1(2) Grant County Standard Spill Prevention Control and Countermeasure Plan (New Section)

This plan outlines requirements for construction operations on County property. The Contractor is required to submit a site-specific spill prevention control and countermeasure plan as outlined below.

1-07.1(2)A Spill Prevention, Control, and Countermeasures

Description

This work shall consist of preparing a Spill Prevention, Control, and Countermeasures Plan (SPCCP) for the construction site and a site specific plan for the crushing site and preparing for implementation of the plans. This preparation includes building any containment areas for fuel storage, berms, or earthwork necessary to facilitate spill prevention shown in the SPCCPs submitted by the Contractor as per these specifications.

SPCCP Requirements

The Contractor shall be responsible for the preparation of a SPCCP to encompass all construction activities and is to be used for the duration of the project. The SPCCP shall be submitted to the ENGINEER prior to the commencement of any construction activities. The Contractor shall maintain a copy of the SPCCP with any updates at the work site.

The SPCCP shall identify construction-planning elements and recognize potential spill sources at the site. The SPCCP shall outline responsive actions in the event of a spill or release and shall identify notification and reporting procedures. The SPCCP shall also outline Contractor management elements such as personnel responsibilities, project site security, site inspections and training.

The SPCCP shall outline what measures the Contractor shall take to prevent the release or spread of the following:

1. Any hazardous material* found on site and encountered during construction but not identified in Contract documents.
2. Any hazardous materials* that the Contractor stores, uses, or generates on the construction site during construction activities. These items include, but are not limited to, gasoline, oils and chemicals.

Note: *Hazardous material, as referred to within this specification, is defined in RCW 70.105D under "hazardous substance."

The SPCCP shall also address, at a minimum, the following project-specific information:

1. Introduction, SPCCP Elements, Site Information, Management Approval, Site Description, Planning and Recognition, Spill Prevention and Containment, Spill Response, Reporting, Program Management, and Attachments to include:
 - a. Emergency Action Plan
 - b. Site Plan
 - c. Inspection and Incident Report Forms

Implementation Requirements

In the event that hazardous material is encountered during the course of the work, regardless of whether or not the material is shown in the Plans, the implementation of the Contractor's SPCCP shall be included in the scope of the Contract and shall be carried out by the Contractor.

The Contractor shall maintain, at the job site, the applicable equipment and material designated in the SPCCP.

1-07.1(2)B Measurement and Payment

All work associated with preparing and implementing the Spill Prevention, Control & Countermeasures plan shall be incidental to construction. All costs shall be included in the other items.

If the Contracting Agency is responsible for the cost of response, containment and any cleanup then payment shall be made through existing Contract items or an Equitable Adjustment in accordance with Section 1-09.4. Assignment of responsibility for payment shall be as defined elsewhere in the Contract.

If the spill is due to the Contractor's operations, equipment failure or negligence nothing in this section shall be construed as relieving the Contractor of responsibility for damage and all cost of response, containment and any cleanup shall be borne by the Contractor.

1-07.2 State Sales Tax

Section 1-07.2 is supplemented with the following:

The work on this Contract is to be performed upon lands whose ownership obligates the

Contractor to collect State sales tax from the Contracting Agency. The provisions of Section 1-07.2(2) apply. State sales tax will be applied to the entire contract amount.

1-07.6 Permits and Licenses

Section 1-07.6 is supplemented with the following:

The Contractor shall obtain all licenses, certifications, and permits required to excavate, remove, and transport hazardous waste and material. All disposal facilities must be properly licensed to accept the material being disposed.

The OWNER's EPA/state hazardous waste generator identification number is WAH000023444

1-07.9 Wages

1-07.9(1) General

Section 1-07.9(1) is supplemented with the following:

This Contract is subject to the minimum prevailing wage requirements of RCW 39.12 and to RCW 49.28 (as amended or supplemented). This project does not require the application of Federal wage laws and rules. A copy of the Washington State current prevailing wage rates is supplied in Attachment B for convenience. All other requirements of Section 1-07.9 apply.

1-07.13 Contractor's Responsibility for Work

1-07.13(4) Repair of Damage

Section 1-07.13(4) is supplemented with the following:

Underground utilities, groundwater monitoring wells and landfill gas probes are located on-site. The Contractor shall locate and protect underground utilities, wells, and probes, and shall take all necessary precautions to avoid disturbing any underground utilities, well and probe casing on or off the landfill. The Contractor shall not encroach within ten (10) feet of any monitoring well or probe without approval of the ENGINEER. If the ENGINEER determines that a well or probe casing has been disturbed, the Contractor shall be responsible for all damages and repair to the satisfaction of the OWNER and regulatory agencies. The Contractor is advised that replacement of a well or probe, could exceed \$50,000.

1-07.16 Protection and Restoration of Property

Section 1-07.16 is supplemented with the following:

Excavation may necessitate removal of existing wire fabric fence and wooden posts, trees or 3/4" polyethylene drip irrigation along the north edge of the excavation. The OWNER will keep the fence posts. The Contractor shall remove and stack the fence posts in an onsite location designated by the OWNER. The Contractor shall dispose of all other fence components including metal fabric, cable and hardware. The Contractor may dispose of fence metal components onsite, free of charge, in the OWNER's metals recycling area. The Contractor shall remove and properly dispose onsite any trees within the excavation area. The Contractor shall move or cut and cap existing drip irrigation pipe within the excavation

area. The OWNER requires the drip system (which originates outside the work area) to remain in service during the project. This work shall be incidental to construction. All costs shall be included in the other items.

1-07.16(1) Private/Public Property

Section 1-07.16(1) is supplemented with the following:

It is national and state policy to preserve, for public use, historical and prehistorical objects such as ruins, sites, buildings, artifacts, fossils, or other objects of antiquity that may have significance from a historical or scientific standpoint.

Archaeological or historical objects which may be encountered by the Contractor shall not be further disturbed. The Contractor shall immediately notify the OWNER of any such finds.

The OWNER will contact the archaeologist who will determine if the material is to be salvaged. The Contractor may be required to stop work in the vicinity of the discovery until such determination is made. If the archaeologist determines that the material is to be salvaged, the OWNER may require the Contractor to stop work in the vicinity of the discovery until the salvage is accomplished.

Loss of time suffered by the Contractor due to resulting delays will be adjusted in accordance with Section 1-08.8.

1-07.17 Utilities and Similar Facilities

Section 1-07.17 is supplemented with the following:

No utilities are known to exist in the drum excavation area or borrow area, as determined by a search of available records; however, additional utilities may be encountered and the locations of any utilities shown on the Plans may vary from the actual locations. The Contractor shall take the necessary precautionary measures to protect existing utilities and structures. Failure of the OWNER to show the existence of subsurface objects or facilities on the plans shall not relieve the Contractor from the responsibility to make an independent surface check of the project site, nor relieve the Contractor from all liability for damages resulting from the Contractor's operations.

The utilities in Grant County work together in a Council to help prevent accidents and damages to underground facilities. One telephone call to 1-800-424-5555, 48 hours prior to digging (excluding weekends and holidays) will relay a message to these utilities, as necessary. These agencies will give assistance in the location of the various utilities, but such assistance shall not relieve the Contractor from the responsibility for damage incurred, except where the installations are not located as closely as is normally possible with an electronic pipe locator or meet the additional exception criteria listed herein.

The Contractor is alerted to the existence of Chapter 19.122 RCW, a law relating to underground utilities. Any cost to the Contractor incurred as a result of this law shall be at the Contractor's expense. No excavation shall begin until all known facilities in the vicinity of the excavation area have been located and marked.

Existing underground utilities, whether public or private, which are damaged by the Contractor, will be repaired by the utility owner. The Contractor shall be liable for all costs

resulting from the damage to a utility if:

1. The utility system is in a standard location adopted by the local jurisdiction, or is indicated in the Plans, and the actual location of any portion of the utility is within 24 inches horizontally of the standard location, or the location indicated on the Plans, or
2. The utility has field located and marked its facilities and the actual location of any portion of the utility is within 24 inches horizontally of said location mark, or
3. The utility system is visible or has become visible or can be reasonably assumed to exist at the location due to visible evidence prior to the damage, or
4. The Contractor has failed to provide the required notification to the utility OWNER of the utility that has been damaged.

The depth of the utility, if indicated, is for the Contractor's convenience only, and the Contractor's responsibility for damage as specified above shall not be altered due to the actual depth being different or other than that indicated on the plans.

The Contractor shall notify the proper utility immediately upon breakage or damage to any utility line or appurtenance, or the interruption of their service. He shall notify the proper utility when his operations may affect the service or cause damage to the utility involved.

Any loss of time suffered by the Contractor due to delay and removal or relocation of any utility or other facility by others may be adjusted in accordance with Section 1-08.8 permitting extensions of time.

Following are addresses and telephone numbers of utility companies known to have facilities in the vicinity of Ephrata Landfill:

Grant County PUD No.2, 30 C St. S.W., Ephrata, WA 98823	(509) 754-3451
U.S. West Co., 324 S. Ash, Moses Lake, WA 98837	(509) 765-2614
General Tel. Co., 320 E. Penny Rd., Wenatchee, WA 98801	(509) 662-9203
CenturyTel (formerly PTI Communications)	(800) 550-8110
Sprint Telephone, P.O. Box 360, Sunnyside, WA 98944	(800) 488-4214

1-07.18 Public Liability and Property Damage Insurance

Section 1-07.18 is revised as follows:

Revise Item 1. "specifying the State of Washington as a named insured," to read "specifying OWNER and ENGINEER as named insured."

1-07.28 Health and Safety Plan (New Section)

1-07.28(1) Present Site Characterization

The Ephrata Landfill receives mixed municipal solid waste. The exact nature of materials and wastes disposed of at the landfill is unknown. The possibility exists of encountering gases, liquids, and/or other substances during the work that may be potentially hazardous to the safety and health of personnel, especially those working in the vicinity of open excavations and pipes venting gases. Since other substances and gases may be present and may be found, the

Contractor shall consider the possibility of encountering other substances in developing a site safety and health program.

The Contractor shall be aware of the potential for landfill gas, landfill gas condensate, and leachate to be present in the work area.

The Contractor shall provide all personnel working on the project with required orientation and training on the potential hazards anticipated and the appropriate use of safety equipment.

1-07.28(2) Contractor's Responsibility for Health and Safety for Hazardous Waste Operations

Due to the nature of the Ephrata Landfill, the Contractor is cautioned that there is a possibility of encountering potentially hazardous gases, liquids, and other substances that may be harmful to personal health and safety while performing elements of the work. The Contractor shall do whatever is necessary for health and safety and be solely and completely responsible for conditions on the site for this project, including safety of all persons, employees, and property during the Contract period. This requirement shall apply continuously and not be limited to working hours.

For all work conducted for this project at the Ephrata Landfill, the Contractor shall ensure compliance with all requirements of the Federal Occupational Health and Safety Act of 1970 (OSHA), including OSHA 29 CFR Part 1910.120 Hazardous Waste Operations and Emergency response, Final Rule, and with the Washington Industrial Health and Safety Act of 1973 (WISHA), WAC 296-62 Part P, as they apply to health and safety provisions for hazardous waste operations, and all other applicable federal, state, county, and local laws, ordinances, codes, the requirements set forth herein, and any regulations that may be specified in other parts of this Contract.

The Contractor shall at all times provide proper facilities for safe access to the work by authorized persons. The Contractor shall develop and maintain, for the duration of this Contract, a site-specific health and safety plan (hereinafter "Health and Safety Plan") that will effectively incorporate and implement all required safety provisions.

The Health and Safety Plan shall be submitted by the Contractor within 14 days after award of the Contract. The Health and Safety Plan shall be signed by a certified industrial hygienist registered in the State of Washington. The ENGINEER will review the Health and Safety Plan. Such review by the ENGINEER will not constitute as approval of the adequacy of the Contractor's safety supervisor, the safety program, or any safety measures taken in, on, or near the work areas. Rather, the ENGINEER'S review is to confirm that the Health and Safety Plan was prepared as required in this Specification.

The Health and Safety Plan shall include the following:

1. Names of key personnel and alternates responsible for site health and safety and appointment of a Site Health and Safety Officer.
2. Health and safety risk analysis for each site task and operation.
3. Employee training assignments.

4. Personal protective equipment to be used by employees for each of the site tasks and operations being conducted.
5. Medical surveillance requirements.
6. Frequency and types of air monitoring, personnel monitoring, and environmental sampling techniques and instrumentation to be used. Methods of maintenance and calibration of monitoring and sampling equipment to be used.
7. Site control measures.
8. Decontamination procedures.
9. Site standard operating procedures.
10. Emergency response plan.
11. Required personal protective equipment and other safety equipment.
12. Confined space entry procedures.
13. Spill containment program.

If any regulatory agency of jurisdiction finds the Health and Safety Plan inadequate to protect the employees and the public, the Contractor shall, at its own expense, modify the Health and Safety Plan as required by such regulatory agency.

The Contractor shall supply to the OWNER the names and phone numbers of responsible personnel representing the Contractor and each subcontractor for the purpose of contacting these individuals in the event of an emergency.

1-07.28(3) Measurement and Payment

The Health and Safety Plan is incidental to the construction. All costs shall be included in the other items.

1-08 PROSECUTION AND PROGRESS

Section 1-08 is supplemented with the following:

Preconstruction Conference. The OWNER will provide the Contractor with five (5) copies of the Contract Documents. A preconstruction conference may be held within ten (10) days after the Contract award.

Hours of Work. Normal landfill staff hours are:

- Monday – 7:00 a.m. to 3:00 p.m.
- Tuesday through Friday – 7:00 a.m. to 4:30 p.m.
- Saturday – 8:00 a.m. to 4:30 p.m.

The Contractor may work additional hours at his option provided no noise limitations are violated. The Contractor's additional hours may be limited to the hours between 7:00 a.m.

and 7:00 p.m. The Contractor must coordinate his construction schedule and access with the landfill manager and accept responsibility for securing and protecting the property if he opts to work other than the normal operating hours.

Weekly Construction Meetings. The following are requested to attend the weekly construction meetings:

1. OWNER Representatives: Project manager(s), Public Works Construction Inspector(s), ENGINEER (if required).
2. Contractor Representatives: Project manager (superintendent), major subcontractors (transporter, etc.) when working on-site, and project foreman.
3. Other Interested Parties: Health Department and Department of Ecology (attendance not mandatory).
4. The agenda will vary with the work completed and upcoming, but will generally follow this format: Schedule, Upcoming Work, Problems Encountered/Corrected, Testing, Regulatory and Environmental Issues, and Measurement and Payment.
5. The schedule shall be updated weekly for the construction meeting. Any changes to the Contractor's plans shall be given to the OWNER and ENGINEER at these meetings.

1-08.3 Progress Schedule

Section 1-08.3 is supplemented with the following:

The Contractor shall submit a construction schedule summarizing planned construction activities, noting sequential interrelationships, milestones, durations, and terminations in accordance with Section 1-08.5.

The third sentence of the second paragraph shall be replaced with the following:

The schedule shall be prepared using Microsoft Project and submitted to the ENGINEER electronically and in hardcopy at the preconstruction conference. The Contractor shall maintain the schedule and submit electronic and hardcopy updates to the ENGINEER when warranted.

1-08.4 Notice to Proceed and Prosecution of the Work

Section 1-08.4 third sentence is revised as follows:

The Contractor shall complete all physical contract work within 75 working days.

1-08.5 Time for Completion

Section 1-08.5 is supplemented with the following:

The Contractor shall complete all physical contract work within 75 working days.

The Contractor shall submit all waste disposal certifications, manifests, chain-of-custody forms, and any other documentation pertaining to the transport and disposal of hazardous overburden and soil, bulk drum waste and spill residue to the OWNER for the OWNER to process final

acceptance of the contract.

1-08.9 Liquidated Damages

Section 1-08.9 first paragraph is replaced with the following:

Time is of the essence for this Contract. Any delay in the prosecution of the work will inconvenience and be expensive to the OWNER. The costs to the OWNER in the administration of the Contract, including engineering, inspection, and supervision will be increased by such delays.

As liquidated damages to the OWNER caused by the failure to complete construction of this Contract within the stipulated times for completion, the Contractor agrees to pay and authorizes and directs the OWNER to deduct from any money due or coming due to the Contractor the sums calculated per the liquidated damages formula in Section 1-08.9 of the Standard Specifications.

1-09 MEASUREMENT AND PAYMENT

1-09.1 Measurement of Quantities

Section 1-09.1 is supplemented with the following:

The Contractor shall provide all surveys for pay items measured by cubic yard. Cubic yard measurement for excavation and borrow will be by cross sectional survey. All surveys for pay items will be by a professional land surveyor licensed in the State of Washington.

The Contractor shall submit a comprehensive breakdown of items constituting each lump sum price in a supplemental schedule of unit prices and shall show the value assigned to each item, including an allowance for overhead and profit. Submittal shall be within ten (10) days of receipt of Notice to Proceed (no later than the preconstruction conference in accordance with Section 1-08.1(1)). Upon acceptance of the supplemental schedule of unit prices by the ENGINEER, the supplemental schedule of unit prices shall be used as the basis for all requests for payment of lump sum items except for mobilization.

1-09.6 Force Account

Section 1-09.9 is supplemented with the following:

If required by the ENGINEER and if equitable adjustment to other items is not feasible, assistance collecting soil samples once drums are removed may be paid by force account.

1-09.9 Payments

Section 1-09.9 is supplemented with the following:

The cutoff day for quantity measurements will be the 20th of each month. If the 20th falls on a weekend or holiday, the Friday previous will be the cutoff day.

END OF DIVISION 1

DIVISION 2
EARTHWORK

2-03 EXCAVATION AND EMBANKMENT

2-03.1 Description

Section 2-03.1 is replaced with the following:

This work includes excavating commingled soil and refuse above and beside the drums (overburden), including non-hazardous and potentially hazardous overburden, disposal of non-hazardous overburden in the active landfill, and borrow. Excavation of bedrock is not required.

All work described here must reasonably conform to the grades and cross sections shown in the Plans or established by the ENGINEER, or as directed by the ENGINEER in the field.

2-03.3 Construction Requirements

Section 2-03.3 is supplemented with the following:

The Contractor shall take all reasonable precautions to avoid damaging drums.

Excavation to expose the drums shall be completed using low ground pressure equipment or by reaching in with excavators from the sides. Haul trucks shall not be allowed over the drum area. Excavation shall be accomplished working from east to west. If subgrade appears to be contaminated, immediately notify the ENGINEER and do not disturb the apparently contaminated area. The ENGINEER will need to document any contaminated subgrade. Upon notification from the ENGINEER that apparently contaminated subgrade has been documented, provide a driving surface of 6 inches thick layer of borrow or other approved barrier to prevent spread of contamination.

Side slopes shall be laid back as shown on the plans. Side slopes and any exposed refuse must be covered daily. The Contractor shall cover side slopes and any exposed refuse with at least 6 inches but not more than 1 foot of borrow. Alternately, the ENGINEER, in its sole discretion, may approve temporary film or sheet material proposed by the Contractor for use as daily side slope cover. Any temporary film or sheet material shall be incidental. All costs shall be included in other items.

Equipment storage shall be at least 80 feet from the top of the excavation. Haul truck travel shall be restricted to the access ramp and otherwise prohibited within 80 feet from the top of the excavation.

Overburden excavated above elevation 1264 or more than 3 feet from the sides of drums shall be transported directly to the active landfill.

Overburden at or below elevation 1264 and within 3 feet of the sides of the drums is considered to be potentially hazardous. Potentially hazardous overburden shall be accumulated separately from other material in lined, hard-lidded, gasketed roll-off bins for sampling, testing, waste designation and coding by the ENGINEER. The ENGINEER

requires four weeks to complete sampling, testing, designation and coding. Contractor shall place bin-loads designated non-hazardous by the ENGINEER in the active landfill. Contractor shall dispose of hazardous overburden offsite. Contractor shall manage bins and hazardous overburden as required in Section 2-15.

Once all drums are removed (see Section 2-15) and prior to backfilling, Contractor shall accommodate and assist with the ENGINEER'S investigation of the drum area subgrade. The subgrade investigation will take up to three weeks. Contractor shall provide excavation as directed by the ENGINEER to collect soil samples and removing potentially contaminated soil to the extent directed by the ENGINEER. Contractor shall accumulate potentially hazardous soil separately from other material in lined, hard-lidded, gasketed roll-off bins for sampling, testing, waste designation and coding by the ENGINEER. The ENGINEER requires four weeks to complete sampling, testing, designation and coding. Contractor shall place bin-loads designated non-hazardous by the ENGINEER in the active landfill. Contractor shall dispose of hazardous soil offsite. Contractor shall manage bins and hazardous soil as required in Section 2-15.

The Contractor will not be charged to deposit overburden and soil in the active landfill.

2-03.3(13) Borrow

Section 2-03.3(13) is supplemented with the following:

Onsite borrow shall be obtained from the borrow area shown on the plans. The OWNER will conduct its borrow operations in the same borrow area as the Contractor from time-to-time during the work. The Contractor shall coordinate borrow activities with the OWNER. The ENGINEER will identify select material from the borrow area for initial and final backfill lifts. Any soil material imported from offsite must be approved by the ENGINEER prior to transport to the site. Contractor shall submit comprehensive information about any offsite borrow sources for the ENGINEER'S consideration at least three weeks before the first haul date, including gradation, density, material description, source location, and chemical test results from Ecology approved analytical laboratory and test methods for the following analytes: priority pollutant metals, SVOCS (including PAHs and pesticides and PCBs), VOCs, TPH (oil and gas), and BETX. Analytical detection limits shall be at or below MTCA A cleanup levels. Acceptance of offsite borrow shall be at the ENGINEER'S sole discretion.

Onsite borrow is suitable without processing other than removal of large rock. Contractor shall set large rock to the side of the borrow area and no further handling of large rock is required of the Contractor.

Contractor shall submit comprehensive information about any temporary film or sheet material proposed by the Contractor for use as daily side slope cover for the ENGINEER'S consideration at least three weeks before the first use. Acceptance of any temporary film or sheet material shall be at the ENGINEER'S sole discretion.

2-03.3(14) Embankment Construction

Section 2-03.3(14) is supplemented with the following:

Backfill shall be placed in 2-foot thick layers. Each backfill layer shall be compacted by thoroughly rolling over the entire layer with excavation equipment. The top layer shall be

track-walked to produce grooves generally perpendicular to the slope.

Borrow used as side slope daily cover or in the excavation shall be left in place.

2-03.4 Measurement

Section 2-03.4 is replaced with the following:

“Borrow,” per cubic yard.

The volume of borrow will be measured by the bank cubic yard based on topographic surveys completed by the Contractor before and after borrow excavation. The OWNER will work from a different area of the borrow site.

“Non-Hazardous Overburden Excavation,” per cubic yard.

The volume of excavated material will be measured by the bank cubic yard based on topographic surveys completed by the Contractor before and after excavation, less the volume of potentially contaminated overburden and drums based on Plan neat-lines. Contractor shall perform the “after” survey after the drums and any bulk drum waste and spill residue are removed in accordance with Section 2-15.

“Potentially Hazardous Overburden Excavation,” per cubic yard.

The volume of excavated material will be measured by the bank cubic yard based on Plan neat-lines.

“Potentially Hazardous Soil Excavation,” per cubic yard.

The volume of excavated material will be measured by the bank cubic yard based on topographic surveys completed by the Contractor before and after excavation. The “before” condition for measurement of potentially hazardous soil excavation shall be defined by the “after” survey for “Non-Hazardous Overburden Excavation.”

2-03.5 Payment

Section 2-03.5 is replaced with the following:

“Borrow,” per cubic yard.

The unit cost per cubic yard shall be full pay for all materials, labor, tools, equipment, and incidentals required to obtain and place borrow.

“Non-Hazardous Overburden Excavation,” per cubic yard.

The unit cost per cubic yard shall be full pay for all materials, labor, tools, equipment, and incidentals required to excavate overburden and side slope material to the lines and grades shown on the Plans, or as directed by the ENGINEER and place it in the active landfill.

“Potentially Hazardous Overburden Excavation,” per cubic yard.

The unit cost per cubic yard for “Potentially Hazardous Overburden Excavation” shall be full pay for all materials, labor, tools, equipment, and incidentals required to excavate hazardous overburden to the lines and grades shown on the Plans, or as directed by the ENGINEER, and place it in bins. Placement of non-hazardous material in the active landfill is incidental and no separate measurement or payment will be made.

“Potentially Hazardous Soil Excavation,” per cubic yard.

The unit cost per cubic yard for “Potentially Hazardous Soil Excavation” shall be full pay for all materials, labor, tools, equipment, and incidentals required to excavate potentially hazardous soil and place it in bins as directed by the ENGINEER. Placement of non-hazardous material in the active landfill is incidental and no separate measurement or payment will be made.

2-06 SUBGRADE PREPARATION

2-06.1 Description

Section 2-06.1 is supplemented with the following:

This work also consists of preparing the staging area for the placement of the geomembrane.

2-06.3 Construction Requirements

2-06.3(3) Subgrade for Composite Liner

(New Section)

The CONTRACTOR shall perform all excavation and embankment construction necessary to provide the prepared subgrade for placement of bedding layer. The prepared subgrade shall be to the lines and grades shown on the Plans. CONTRACTOR is required to proof-roll the prepared subgrade to reduce the loss of bedding layer material. Soft or otherwise unsatisfactory material shall be removed and replaced with satisfactory excavated material or other approved material as directed by the ENGINEER. Low areas resulting from removal of unsatisfactory material shall be brought up to required grade with satisfactory materials other than bedding layer material, and the entire bedding layer shall be shaped and compacted as specified. The bedding layer shall be no less than 2 inches nor more than 3 inches thick and shall not have any ruts or ridges greater than 1/2-inch.

Before the overlying geomembrane is installed, the CONTRACTOR shall:

1. Remove from the bedding layer immediately prior to installing the liner all brush, weeds, vegetation, grass, and other debris.
2. Dispose of all debris as directed by the ENGINEER.
3. Maintain the bedding layer in the required condition until the overlying geosynthetics are installed.
4. The bedding layer shall be free of surfaces, which are muddy, frozen, or contain frost, prior to placement of the composite liner.

5. Test the compaction of the bedding layer every 2,500 square feet. The compaction testing shall be performed under the direction of a professional ENGINEER registered in the State of Washington. Results shall be stamped and submitted to the ENGINEER.

2-06.5 Measurement and Payment

Subgrade shaping, proof-roll compaction, and finish work for the bedding layer will not be measured for payment. This work is incidental to the "Staging Area" lump sum bid item under this contract and no separate measurement or payment will be made.

2-07 WATERING

2-07.3 Construction Requirements

Section 2-07.3 is supplemented with the following:

Contractor shall use water for dust control, as needed, at all times during construction, and in staging area and along haul roads within the facility to ensure activities do not produce visible dust in accordance with WAC 173-400. The water shall be of sufficient quantity and quality to perform the construction or as directed by the ENGINEER. Watering shall be incidental to the other bid items and water for this project will be available free of charge to the Contractor. The water source will be a City of Ephrata hydrant within three miles of the landfill. The Contractor will need to coordinate directly with the City of Ephrata Public Works Director or his designee, (509) 754-4601 and enter such agreements as may be required.

Contractor shall not water within the drum excavation.

2-11 TRIMMING AND CLEANUP

2-11.1 Description

Section 2-11.1 is supplemented with the following:

This work also extends to the drum removal, stockpile, borrow, and staging areas, haul routes, and other areas affected by the Contractor's operations.

2-11.3 Construction Requirements

Section 2-11.3 is replaced with the following:

The Contractor shall, as directed by the ENGINEER, remove from the OWNER'S property and from all public and private property, at the Contractor's own expense, all temporary facilities and debris from the Contractor's operations. Debris from work on this project meeting the acceptance criteria for the Ephrata Landfill may be disposed of in the landfill at no charge to the Contractor.

Throughout the period of construction, the Contractor shall keep the site clean and free from all rubbish and debris and shall promptly clean up all or any portion of the site when notified to do so by the ENGINEER. Care shall be taken to prevent spillage on the roads over which

hauling is done, and any such spillage or debris deposited due to Contractor's operations shall immediately be cleaned up. The Contractor shall promptly remove from any parts of the working area all unused materials, surplus earth, and debris. Construction areas shall be left in a clean, neat and acceptable condition at the earliest time following completion of that portion of work.

During all phases of the construction work, the Contractor shall take precautions to abate a dust nuisance or a wind blown sand nuisance, by cleaning up, sprinkling with water, or other means as necessary to accomplish results satisfactory to the ENGINEER in accordance with Section 2-07.

Upon completion of the work and prior to final inspection, the entire site of operations shall be cleared of equipment, unused materials, and rubbish, so as to present a clean and neat appearance.

2-11.5 Payment

Section 2-011.5 is replaced with the following:

Trimming and roadside cleanup shall be incidental to construction. All costs shall be included in the other items.

2-15 HAZARDOUS WASTE HANDLING (NEW)

2-15.1 Description

This work includes Contractor's Waste Management Plan preparation, drum handling, hazardous overburden and soil management, bulk drum debris and spill residue management, roll-off bin management, and staging area construction and management.

2-15.1(1) Contractor's Waste Management Plan

Contractor shall prepare and submit a written plan describing in detail how the Contractor will handle drums and potentially contaminated overburden and soil. The plan shall address all aspects of hazardous waste handling including, but not limited to the following:

1. Excavation plan and drum removal approach.
2. Hazard identification and response, including hazards related to landfill gas, odors, leachate, and explosive, reactive, volatile, acid, caustic, and toxic drum contents.
3. Inspections, personnel training related to waste operations consistent with WAC 173-303-320 and 330.
4. Preparedness and prevention, contingency and emergency procedures and coordination related to waste accumulation consistent with WAC 173-303-340 through 355 (can be covered in the SPCC, see Section 1-).
5. List, description of drum handling equipment.
6. Sample waste profile, chain of custody, and any similar forms, transportation

documentation, and waste disposal documentation and confirmation of disposal documentation.

7. Equipment and personnel decontamination procedures, supplies and equipment.
8. Health & Safety Plan (for information only, not for ENGINEER or OWNER approval).

The Contractor's Waste Management Plan must be accepted by Ecology. Contractor shall make any plan revisions needed to meet Ecology requirements. No separate measurement and payment shall be made for Contractor's Waste Management Plan. This item shall be incidental to the other bid items.

2-15.1(2) Licensing and Certifications

The Contractor shall submit the following:

1. Applicable State/Federal Licenses;
2. Written evidence of valid EPA Transporter Identification Number (40 CFR 263.11, WAC 480-14-390);
3. Written certificates of valid Hazardous Materials General Awareness & Function Specific Training for each dispatcher and each driver (49 CFR 172.700 through 172.704);
4. Written certificates of valid HAZWOPER training for each haul truck driver (29 CFR 1910.120(e));
5. Sequential list of transporters (including transporter names, EPA ID numbers, and 24-hour telephone numbers) for manifesting purposes;
6. Written evidence of valid EPA Off-site Rule approval for the disposal facility (40 CFR 300.440);
7. Written evidence of valid EPA Disposal Permit (40 CFR 264.11 & 265.11);
8. Training records and medical records for field supervisor and field personnel;
9. Training records and/or certificates of qualifications for specialty personnel;
10. List of equipment and materials (including type, size, and quantity) which will be at the project site.

2-15.1(2) Waste Disposal Documentation

The Contractor shall submit the following:

1. Generator's State Uniform Hazardous Waste Manifest filled in with required information about Generator, Transporter, Disposal Facility, DOT waste description and any special handling requirements (40 CFR 262.20 through 262.23, Appendix to 40 CFR 262, 49 CFR 172.200 through 172.205, WAC 173-303-180, WAC 173-303-250-260);
2. Photocopy of generator-signed Material / Waste Profile Forms / Sheets;

3. Disposal Facilities' EPA & State Land Disposal Restriction (LDR) forms (40 CFR 268.7);
4. Disposal Facilities' Underlying Hazardous Constituents (UHC) forms (40 CFR 268.9), as necessary;
5. Disposal Facilities' Volatile Organic Compounds (VOCs) <500 ppm forms (40 CFR 265.1080, 265.1083, 265.1084);
6. Disposal Facilities' Non-TSCA Waste Certification Forms.

2-15.1(3) Administrative Documentation

The Contractor shall submit the following:

1. Legible original copies of all fully-executed manifest documents (Hazardous and Non-hazardous) (40 CFR 262.40, WAC 173-303-180, WAC 173-303-250);
2. Certified weight tickets (40 CFR 262.41 & 262.43); and
3. Certificates of disposal (Hazardous and Non-hazardous) (40 CFR 262.43) to the ENGINEER and OWNER for all waste disposed of at an offsite facility.
4. Final report containing compiled list describing each drum removed, date removed, status (intact, overpack, broken, etc.), sampling results, disposal site, and other pertinent information, plus volume of contaminated soil disposed, sampling results, and disposal location.

2-15.2 Materials

Materials shall meet the requirements of the following sections:

Crushed Surface Top Course (CSTC) 9-03.9(3)

2-15.3 Construction Requirements

2-15.3(1) Drum Staging Area

Contractor shall construct the drum staging area as shown on the Plans. Contractor shall prepare the subgrade as required in Section 2-06. Contractor shall provide geomembrane and geotextile as required in Section 8-05. The bedding layer and top course shall be CSTC. Contractor shall provide a 6-foot high temporary chain link fence around the entire staging area with locking gates at both access points. Contractor shall remove the staging area once all drums have been shipped and with the ENGINEER's approval. Contractor shall salvage CSTC material from cover layer and berms and stockpile it onsite at a location designated by the ENGINEER. Contractor will be allowed to dispose of any non-hazardous debris from the job in the Ephrata Landfill without charge. The CSTC bedding layer may remain in place. Contractor shall remove any remaining items and materials from the site.

The ENGINEER and other contractors will perform activities in the staging area. The ENGINEER will obtain samples from drums in the staging area. Contractor will segregate drums containing incompatible materials when required by the ENGINEER. The drum removal contractor will need to sort and load drums for transport offsite. Contractor is required to accommodate the ENGINEER's and drum removal contractor's activities and move drums containing incompatible waste when required by the ENGINEER.

Contractor shall operate and maintain the staging area consistent with regulatory requirements at WAC 173-303-320 through WAC 173-303-350. Construction of the staging area as required in these Special Provisions will meet construction quality assurance requirements at WAC 173-303-335.

2-15.3(2) Drum Handling and Overpacking

Contractor shall move drums using non-metallic slings, drum grapples, or by other means so as to avoid damaging intact drums. Contractor shall place each drum in a DOT approved overpack drum immediately when the drum is first moved from the stack. Drums that rupture when moved, spilled contents, contaminated overburden or soil and cleanup materials will be managed as spill residue (Section 2-15.3(3)).

Personnel approaching within five feet of drums *in situ* shall be harnessed and tethered in an OSHA-compliant boom lift. This requirement is waived for the lowest tier of drums where upper tiers have been removed to a setback distance of at least 15 feet from any lower tier drum being handled.

Contractor shall label each drum in accordance with WAC 173-303-200(1)(c)(d) and DOT regulations for hazardous materials under 49 CFR 172 Subpart F. Labels shall include the following:

1. The date the accumulation started
2. Content (solid, liquid, sludge, etc.)
3. Waste designation per WAC 173-303-070 and 40 CFR 261
4. The words "dangerous waste" or "hazardous waste"

The ENGINEER will provide adhesive backed matching barcode labels for each drum and overpack. The ENGINEER will advise the Contractor of analytical results, waste designation and coding for each drum.

Contractor shall package each drum for transport in a DOT-approved steel overpack drum and otherwise consistent with the standards at 49 CFR Parts 173, 178, and 179 and WAC 173-303-161. Contractor shall provide overpack drums.

Contractor shall accommodate and assist with the ENGINEER'S examination of drums. The ENGINEER will, the extent feasible, record, photograph, document and attempt to remove and preserve any original drum labeling. Contractor shall provide harness and tether and access to the drum stack via boom lift when required by the ENGINEER.

2-15.3(3) Bulk Drum Waste and Spill Residue

The Contractor will segregate bulk drum waste and spill residue in lined, hard-lidded, gasketed roll-off bins for sampling, testing and waste designation and coding by the ENGINEER. Contractor shall treat and dispose of bulk drum waste and spill residue offsite based on waste designation and coding by the ENGINEER.

2-15.3(4) Hazardous Overburden and Soil

Contractor shall treat and dispose of overburden and soil offsite if designated as hazardous and based on coding by the ENGINEER.

2-15.3(5) Roll-Off Bins

Contractor shall provide hard-lidded, gasketed roll-off bins of not less than 20 CY capacity per bin for accumulation of potentially contaminated soil and overburden, bulk drum waste, and spill residue. Contractor shall line the bins with polyethylene sheet or bin liners not less than 6 mils thick.

2-15.3(6) Hazardous Waste Transportation and Placarding

Hazardous waste carriers shall abide by the federal Department of Transportation regulations governing proper packaging and signage including 49 CFR 172 through 173 and 178 through 179. Each drum must be labeled in accordance with the applicable DOT regulations under 49 CFR Part 172, Subpart F prior to transportation offsite.

2-15.4 Measurement

“Hazardous Overburden Disposal,” per ton.

“Hazardous Soil Disposal,” per ton.

“Bulk Drum Waste Management,” per ton.

“Bulk Drum Waste Management,” per ton.

“Spill Residue Management,” per ton.

Material weights will be measured by certified weight tickets.

“Staging Area,” per lump sum.

“Drum Handling and Overpack” per each.

“Roll-Off Bin” will be per each bin.

2-15.5 Payment

Payment will be made in accordance with Section 1-04.1 for the following bid items:

“Hazardous Overburden Disposal,” per ton.

The unit contract price per ton for “Hazardous Overburden Disposal” will be full pay for all labor, tools, equipment, supplies, labeling, handling and other items needed to remove and dispose of hazardous overburden. Potentially hazardous overburden excavation will be paid separately. Roll-off bins will be paid separately. The ENGINEER will characterize, designate and code waste for disposal.

“Hazardous Soil Disposal,” per ton.

The unit contract price per ton for “Hazardous Soil Disposal” will be full pay for all labor, tools, equipment, supplies, labeling, handling and other items needed to remove and dispose of hazardous soil. Potentially hazardous soil excavation will be paid separately. Roll-off bins will be paid separately. The ENGINEER will characterize, designate and code waste for disposal.

“Bulk Drum Waste Management,” per ton.

The unit contract price per ton for “Bulk Drum Waste Management” will be full pay for all labor, tools, equipment, supplies, labeling, handling and other items needed to remove and dispose of bulk drum waste. Roll-off bins will be paid separately. The ENGINEER will characterize, designate and code waste for disposal.

“Spill Residue Management,” per ton.

The unit contract price per ton for “Spill Residue Management” will be full pay for all labor, tools, equipment, supplies, labeling, handling and other items needed to remove and dispose of spill residue. Roll-off bins will be paid separately. The ENGINEER will characterize, designate and code waste for disposal.

“Staging Area,” per lump sum.

The lump sum contract price for “Staging Area” will be full payment for all labor, tools, equipment, supplies, and other items needed to build, maintain, operate, and remove the staging area.

“Drum Handling and Overpack”, per each.

The unit contract price per each for “Drum Handling and Overpack” drum will be full pay for all labor, tools, equipment, supplies, labeling, handling and other items needed to move drums from in situ, provide overpack drums, place drums in overpacks, place overpacked drums in the staging area, and segregate overpacked drums within the staging area as directed by the ENGINEER.

“Roll-Off Bin”, per each bin.

The unit contract price per each per week for “Roll-Off Bin” will be full pay for all labor, tools, equipment, liners, absorbent materials, supplies, and other items needed to provide roll-off bins.

END OF DIVISION 2

completed projects. For each installation, provide name, type, location of facility, facility contact and phone number, date of installation, description, type, and quantity of geosynthetic materials installed. The installer's quality control program shall be submitted.

The supervisor for the geomembrane installer (Master Seamer) shall have supervised the installation of at least 25 million square feet of HDPE geomembranes, which have been incorporated into environmental barrier layers, prior to installing geomembrane for this project.

A QC Tester shall be assigned to collect and test all samples. The QC Tester shall not be the Master Seamer. The QC Tester shall meet the same qualifications as the Master Seamer with the experience requirement reduced to 5 million square feet.

8-05.4(3) Meetings

Prior to and during construction of the geosynthetic materials, construction meetings will be held. The meetings shall be attended by the OWNER, CQA ENGINEER, CONTRACTOR, and Geosynthetic Installer.

Topics for the meetings shall include the following:

1. Responsibilities of each party.
2. Lines of authority and communication. Resolution of any project document ambiguity.
3. Methods for documenting, reporting, and distributing documents and reports.
4. Procedures for packaging and storing archive geomembrane samples.
5. Review of time schedule for all installation and testing.
6. Review of panel layout and numbering systems for panels and seams including details for marking on geomembrane.
7. Procedures and responsibilities for preparation and submission of as-built panel and seam drawings.
8. Temperature and weather limitations. Installation procedures for adverse weather conditions. Defining acceptable subgrade geosynthetic or ambient moisture and temperature conditions for working during installation.
9. Subgrade conditions, dewatering responsibilities, and subgrade maintenance program.
10. Deployment techniques including allowable subgrade for the geosynthetics.
11. Plan for controlling expansion/contraction and wrinkling of the geosynthetics.
12. Covering of the geosynthetics and cover soil placement.
13. Surveying of the geosynthetic limits and geomembrane panels panel numbers, and seams.

8-05.5 Submittals

The CONTRACTOR shall submit the information specified in the following subsections in accordance with Sections 8-05.5(1) and 8-05.5(2) within 10 days after the Notice to Proceed is received, unless otherwise specified. The conformance samples shall be obtained as described in ASTM D4354 and ASTM D4759. All submittals in this subsection are for ENGINEER Approval.

8-05.5(1) Geosynthetic Testing Laboratory

The CONTRACTOR shall submit accreditation from an independent third party laboratory selected for the geosynthetic testing. The laboratory shall be NICET certified. The ENGINEER shall make a determination of the acceptability of the selected laboratory within three working days of the submittal.

8-05.5(2) Geosynthetics

8-06.5(2)A Geomembrane

Manufacturer's certified raw material and sheet material data sheets along with a copy of quality control certificates. Testing results not meeting the requirements in Section 9-36 will result in rejection of the applicable rolls. Certified test results shall be provided seven (7) days prior to delivery to the site.

1. Qualifications statement of manufacturer.
2. Qualifications statement of installer.
3. Resume of installation supervisor.
4. Manufacturer and installer warranty meeting the requirements of Section 8-05.7.
5. Samples and product descriptions for geomembrane, penetrations, and associated appurtenances.
6. A material properties sheet, including at a minimum all properties specified in GRI GM 13, including test methods used.
7. Quality control certificates issued by the resin supplier, quality control certificates for each roll produced, certification that geomembrane and extrudate produced for this project have the same material properties, seven days prior to material delivered to the site.
8. Manufacture and installation procedures and quality control program, including a plan for protecting the work and for repairing and replacing damaged work.
9. Proposed installation panel layout identifying panels, seams and anticipated sequence.
10. Details, methods, and materials for making field joints; constructing and installing boots around penetrations; and making geomembrane repairs. A shop drawing shall be submitted for shop fabricated geomembrane boots.
11. Record drawings (as-builts) of the panel layout, prior to final payment.
12. Field tensiometer certification.
13. One (1) 12-inch by 12-inch minimum geomembrane sample.
14. Depth Marker Layout.

Geomembrane Conformance Testing. Laboratory testing conducted on the geomembrane prior to shipment to the site. Samples from the same material, which will be delivered to the site, shall be tested at a frequency of one test for every 5,000 square yards. Samples shall be tested for the parameters listed below at the frequencies given:

Parameter	Frequency	Test Method
Thickness	Every 5,000 sy	ASTM D 5994
Carbon Black Dispersion	Every 5,000 sy	ASTM D 5596 Microtome

Any geomembrane sample, and the lot of material it represents, that fails the any testing shall be removed from the site and replaced with geomembrane material that meets specification.

Geomembrane Field Testing. The CONTRACTOR shall submit the results of geomembrane seam testing as required in this Section within 24 hours of the sample being sent to the laboratory. Environmental stress crack resistance shall be submitted within 14 days of the sample being sent to the laboratory.

Laboratory testing shall be conducted on completed field seams and the geomembrane material. Samples shall be sent by overnight mail to the installer's laboratory and tested for the parameters listed below at the frequencies given.

Parameter	Frequency	Test Method
Shear	Every destructive test	ASTM D 6392
Peel	Every destructive test	ASTM D 6392

Interface Friction Angle Testing. Interface friction angle test is not required for this project.

8 05.5(2)B Geotextile

1. Qualifications statement of manufacturer.
2. Samples and product description for each type.
3. Manufacturer's certification that material meets project specifications.

8-05.5(3) Quality Control Reports

The geosynthetic installer shall submit, on a daily basis, the following reports. The geosynthetic installer will not be allowed to begin work until the previous day's reports are submitted to the ENGINEER.

1. Daily progress reports including the following:
 - a. Project name
 - b. Date
 - c. Weather conditions, including range of wind speed and temperature, cloud cover, and precipitation
 - d. Panels installed
 - e. Panels seamed
 - f. Field Observations

2. Daily quality control records detailing the initial weld qualification of equipment and welding crews and destructive seam testing results, including, but not limited to, the following:
 - a. Project name
 - b. Date
 - c. Weld crew/machine identification
 - d. Qualification results
 - e. Destructive test results
 - f. General observations
3. Subsurface Certification: The installer shall supply written certification that the surface on which the geotextile and geomembrane will be installed is acceptable. After the underlying layers/materials has been accepted, it shall be the installer's responsibility to indicate to the CONTRACTOR and the ENGINEER any change to its condition due to natural causes or any other occurrences that may require repair work.

8-05.6 Construction Requirements

No layer of geosynthetic shall be covered until the geosynthetic installer and the ENGINEER have inspected and the ENGINEER has written approval from the geosynthetic installer of the installation.

No vehicular traffic shall travel on the geosynthetics prior to installation of the CSBC cover layer other than approved low ground pressure All Terrain Vehicles (ATVs), or equivalent.

8-05.6(1) Geomembrane

8-05.6(1)A Packaging, Labeling, Shipping, Storage, and Handling

Each roll of geomembrane shall be uniquely marked by the manufacturer identifying the roll number and date of manufacture. Labels on each roll shall identify the material, roll number, thickness of the material, the length and width of the panel, and manufacturer.

The geomembrane panels shall be stored elevated on a smooth, flat, non abrasive surface, and stacked no more than two high. The CONTRACTOR shall protect the geomembrane rolls at all times from dirt, grease, moisture, heat, and any cause of damage. The CONTRACTOR shall replace geomembrane damaged by any means, including wind damage at any time at the CONTRACTOR'S expense.

8-05.6(1)B Installation

Installation shall be performed under the constant direction of a single master seamer who shall remain on-site at all times during the installation and be in responsible charge for all geomembrane installation, including panel layout, seaming, patching, testing, and all other activities associated with the installation.

Geomembrane shall be deployed and field-seamed only when the geomembrane is dry and wind is minimal. In marginal conditions, seaming shall cease unless tests confirm that satisfactory seam strengths are being obtained. The CONTRACTOR shall protect the geomembrane from weather and replace any geomembrane damaged by weather.

Prior to placing geomembrane, the master seamer shall certify in writing that the receiving surface is acceptable. It shall be the responsibility of the CONTRACTOR to prepare and keep the receiving surfaces in acceptable condition until complete installation of the geomembrane is accomplished.

The CONTRACTOR shall excavate and backfill the anchor trenches for the geosynthetics as shown on the Plans. The CONTRACTOR shall excavate the existing geomembrane edges for connection. Any damage caused by the CONTRACTOR during excavation shall be repaired by the CONTRACTOR at no cost to the OWNER.

Geomembrane deployment shall proceed when liner temperatures are between 32 degrees F to 104 degrees F as measured by an infrared thermometer or thermocouple. CONTRACTOR shall have one operating temperature device on-site during the deployment and installation of the geomembrane and shall document the temperature every two hours. Placement can proceed below 32 degrees F or above 104 degrees F only after it has been verified by the ENGINEER that the material can be seamed according to the specification. Geomembrane placement or seaming shall not be done during any precipitation, in the presence of excessive moisture (e.g., fog, rain, dew), during dusty periods or in the presence of excessive winds.

The geomembrane shall be installed to the limits indicated on the Plans. The geomembrane shall be placed in such a manner to minimize field seaming. The geomembrane shall be installed such that field seams run longitudinally down slopes steeper than 10 percent. The CONTRACTOR shall provide temporary wind anchorage during geomembrane installation. Only geomembrane panels for each day's field seaming shall be spread each day. The ends of geomembrane installed each day shall be buried in an anchor trench or covered with soil.

As geomembrane materials are unrolled, the CONTRACTOR shall perform further visual inspection of the geomembrane surface. If damage or faults not previously observed are discovered, they shall be clearly marked and repaired. All rips, tears, puncture, or other injuries to the geomembrane shall be repaired as required in Section 8-05.6(1)D. The CONTRACTOR shall note if the texturing is or is not consistent across the sheet and if the texturing is not consistent with the sample submitted for friction angle analysis.

All seams shall be made by extrusion or fusion welding. The completed joints shall have a minimum bonded seam strength in **shear of 120 pounds per inch** and in **peel of 78 pounds per inch** when tested in accordance with ASTM D 6392. **The seam shall also fail as a film tear bond.** Incursion shall not exceed 50 percent (50%) of the welded area.

All polyethylene seams shall be fusion welded using double wedge welding techniques separated by an air space. The CONTRACTOR shall use only welding apparatus on which proper control of extrudate or wedge temperature, apparatus pressure, welding speed, width of weld, and sheet preheating temperature can be maintained. The seams shall have edges that are at least one-half inch wide to allow for testing. The CONTRACTOR will verify that the welding apparatus meets these requirements. Fusion field seams shall be made by overlapping adjacent sheets a minimum of 3 inches and forming a double welded seam separated by an air space. Fusion field seams shall be produced by a double hot shoe welder capable of maintaining a recordable temperature.

Extrusion welds will be made by overlapping adjacent sheets a minimum of 3 inches and extruding a ribbon of hot fusion-joint material no less than 1 inch in width between the overlapped sheets or over the seams between the lapped sheets, as required. Extrusion weld material shall be of the same material as the geomembrane. The surface of the geomembrane liner sheet shall be roughened by an acceptable

means before extrudate is placed between overlapping sheet or over the lapped seam. Excessive grinding resulting in grooving of the liner or reducing the liner thickness greater than 10 percent shall not be permitted.

No geomembrane shall be covered until all inspections, field tests, repairs, and the geomembrane survey are satisfactorily completed. Where the installer's or ENGINEER'S laboratory tests indicate a failure for a destructive test, the seam shall be repaired as required in Section 8-05.6(1)D.

The geomembrane installer shall prepare record drawings of the completed geomembrane panel layout. The record drawings will detail and show dimensions and location of each panel, geomembrane penetration, destructive test location, and repairs. The record drawings will also include any changes to the geomembrane details on the Plans.

8-05.6(1)C Quality Control Testing

Quality control testing of the geomembrane seams shall be performed by the installer and shall include qualification test seams, non-destructive seam testing, and destructive seam testing. The installer shall have on-site a certified tensiometer to test seam samples in peel and shear. All samples shall be cut with a die cutter.

Qualification Test Seams. Field test seams shall be conducted on the geomembrane to verify that seaming conditions are satisfactory. Test seams shall be conducted for each crew at the beginning of each seaming period, at the ENGINEER'S discretion, and at least once each 4 hours, or 40 minutes if idle, for each seaming apparatus used.

All test seams shall be made at a location in the area of the anticipated seaming and in contact with the subgrade. The test seam samples shall be as long as necessary for the wedge weld to go through one temperature cycle for hot shoe welding and for extrusion welding with the seam centered lengthwise. Specimens 1-inch wide shall be cut from each end and the middle (lowest temperature of welder) of the test seam with a die cutter at locations identified by the ENGINEER. The installer shall supply and use the on-site certified tensiometer to test these specimens for shear and peel. If a test specimen fails to meet field seam specifications, the seaming apparatus and seamer shall not be accepted and shall not be used for seaming until the deficiencies are corrected and two consecutive successful full test seams are achieved.

Non-Destructive Seam Testing. The installer shall non-destructively test all field seams with a air channel pressure testing (double fusion seams only), vacuum box or air pressure testing (for double fusion seams only), and/or spark test over their full length in accordance with GRI Test Method GM6 and ASTM D 5641.

Air Channel Pressure Test. Air pressure testing for double-fusion seams shall be performed in-place of vacuum box tests. The following procedures shall be followed by the installer to perform air pressure testing:

1. Seal both ends of the seam to be tested.
2. Insert needle or other approved pressure feed device into the tunnel created by the double wedge fusion weld.

3. Energize the air pump to a pressure between 30 and 32 psi, close valve, and sustain pressure for approximately 5 minutes.
4. If loss of pressure exceeds 4 psi, or pressure does not stabilize, locate faulty area, repair, and retest.
5. Relieve pressure at end opposite pressure gauge to check for continuity of air channel.
6. Remove needle or other approved pressure feed device and seal holes with an extrusion weld.
7. Results of the pressure testing shall be recorded on the geomembrane at the seam tested with the date tested, times of the test, the name of the technician performing the test, and the results of the test.

Vacuum Box Test. The following procedures shall apply to locations where seams cannot be non-destructively tested or for extrusion welded seams, as determined by the ENGINEER:

1. Equipment for testing extrusion seams shall be comprised of but not limited to: a vacuum box assembly consisting of a rigid housing, a transparent viewing window, a soft rubber gasket attached to the base, port hole or valve assembly and a vacuum gauge; a vacuum pump assembly equipped with a pressure controller and pipe connections; a rubber pressure/vacuum hose with fittings and connections; a plastic bucket; wide paint brush or mop; and a soapy solution.
2. The vacuum pump shall be charged and the tank pressure adjusted to approximately 5 psig.
3. The Installer shall create a leak tight seal between the gasket and geomembrane interface by wetting a strip of geomembrane approximately 12 inches by 48 inches (or length and width of box) with a soapy solution, placing the box over the wetted area, and then compressing the box against the geomembrane. The Installer shall then close the bleed valve, open the vacuum valve, and maintain initial pressure of approximately 5 psig for approximately 5 seconds. The geomembrane should be continuously examined through the viewing window for the presence of soap bubbles, indicating a leak. If no bubbles appear after 5 seconds, the area shall be considered leak free. The box shall be depressurized and moved over the next adjoining area with a 6-inch overlap and the process repeated.
4. All areas where soap bubbles appear shall be marked, repaired, and then retested. CQA ENGINEER shall be notified of all failures.
5. At locations where seams cannot be non-destructively tested, such as pipe penetrations, non-destructive spark testing shall be substituted.
6. All seams that are vacuum tested shall be marked with the date tested, the name of the technician performing the test and the results of the test.

Spark Test. The following procedures shall apply to locations where both air pressure testing and vacuum testing are not possible such as pipe penetrations, as determined by the ENGINEER:

1. Equipment for spark testing shall be comprised of; but not limited to, a hand held holiday spark tester and conductive wand that generates a high voltage.
2. The testing activities shall be performed by the Installer by placing an electrically conductive tape or wire beneath the seam prior to welding. A trial seam containing a non-weld segment shall be subject to a calibration test to ensure that such a defect (non-welded segment) will be identified under the planned machine settings and procedures. Upon completion of the weld, enable the spark tester and hold one-inch above the weld moving slowly over the entire length of the weld in accordance with ASTM 6365. If there is no spark the area is considered to be leak free.
3. A spark indicates a hole in the seam. The faulty area shall be located, repaired and retested by the Installer.

Destructive Seam Testing. The installer shall provide the ENGINEER with a minimum of one destructive test sample per 500 feet of seam length from a location specified by the ENGINEER. The installer shall not be informed in advance of the sample location.

Sample Procedure. In order to obtain test results prior to completion of liner installation, samples shall be cut by the installer as the seaming progresses. Sampling times and locations shall be determined by the ENGINEER. The ENGINEER must witness the obtainment of all test samples and the installer shall mark all samples with the date, time, location, panels, and seam number. The information must be on each sample portion. All holes in the geomembrane resulting from obtaining the seam samples shall be repaired. All patches shall be vacuum tested.

Size and Disposition of Samples. The samples shall be 12 inches wide by 36 inches long and the seam centered lengthwise. The sample shall be cut into two equal length pieces, with one piece given to the ENGINEER, and one piece retained by the installer for destructive testing on-site.

Testing. The installer shall cut ten 1-inch wide replicate specimens from his sample. The installer shall test five specimens for shear strength and five for peel strength in accordance with ASTM D 6392. The installer shall have the required certified equipment on-site in order to perform the above-mentioned tests. To be acceptable, all five replicate test specimens must meet the seam requirements specified in Section 8-05.6(1)B. Results of all field testing shall be supplied to the ENGINEER, in written form, at the end of each working day. The ENGINEER may test the samples at an independent geosynthetics laboratory.

Procedures for Destructive Test Failure. The following procedures shall apply whenever a sample fails a test:

1. The installer shall reconstruct the seam between the failed location and any passed test location.
2. The installer can retrace the welding path to an intermediate location (at a minimum of 10 feet from the location of the failed test), at the ENGINEER'S discretion, and take a sample for an additional destructive test. If this test passes, then the seam shall be reconstructed between that location and the original failed location. This procedure shall

be performed on both sides of the failed test location. If the test fails, then the process is repeated.

3. Over the length of seam failure, the installer shall either cut out the old seam, reposition the panel and reseam or add a cap strip.
4. After reseaming or placement of the cap strip, full non-destructive testing shall be completed. Also, additional destructive field test(s) may be taken within the reseamed area. If test results are not acceptable, this process shall be repeated until the reseamed length is judged satisfactory by the ENGINEER.

In the event that a sample, including a sample supplied to the ENGINEER and tested at an independent geosynthetics laboratory, fails a destructive test, then the above procedures shall be followed, considering the failed test exclusively.

8-05.6(1)D Geomembrane Repairs

All seams and non-seam areas of the geomembrane shall be inspected by the installer and ENGINEER for defects, holes, blisters, undispersed raw materials, and any sign of damage or contamination by foreign matter. Because light reflected by the geomembrane helps to detect defects, the surface of the geomembrane shall be clean at the time of inspection. The geomembrane surface shall be brushed, blown, or cleaned with a moist cloth by the installer if the amount of dust or mud inhibits inspection. The ENGINEER shall decide if cleaning of the geomembrane is needed to facilitate inspection.

Evaluation. Each suspect location in seam and non seam areas shall be non-destructively tested as appropriate in the presence of the ENGINEER. Each location that fails the non-destructive testing shall be marked by the installer and repaired accordingly.

Repair Procedures. The repair of the geomembrane should be as follows:

- a. Defective seams shall have the old seam cut out, reposition the panel, and reseam or add a cap as described in these specifications. Rewelding over failed seams shall not be allowed.
- b. Small holes in polyethylene shall be repaired by extrusion cap welding. If the hole is larger than 1/4-inch, it shall be patched.
- c. Tears shall be repaired by patching. The tear must be rounded prior to patching.
- d. Blisters, large holes, undispersed raw materials, and contamination by foreign matter shall be repaired by patches.
- e. Surfaces of the geomembrane, which are to be patched, shall be abraded and cleaned no more than 15 minutes prior to the repair. No more than 10 percent of the liner's thickness shall be removed.
- f. Patches shall be round or oval in shape, made of the same geomembrane, and extend a minimum of 6 inches beyond the edge of defects. All patches shall be of the same compound and thickness as the geomembrane specified. All patches to be extrusion welded shall have their top edge beveled with an angle grinder prior to placement on the geomembrane. Patches shall be applied using approved seaming methods only.

- g. Wrinkles, which may become folds during placement of material above the geomembrane, shall be repaired by cutting away the excess material and repairing as required above. No folding in the geomembrane is allowed. No spanning over voids in the subgrade by the geomembrane is allowed.

8-05.6(3) Geotextile

8-05.6(3)A Packaging, Labeling, Shipping, Storage, and Handling

Each roll of geotextile shall be uniquely marked by the manufacturer/fabricator identifying the roll number and dates of manufacture/fabrication. Labels on each roll shall identify the material, roll number, the length and width of roll, and the manufacturer and fabricator.

The geotextile rolls shall be stored on a smooth, flat, non-abrasive surface, and stacked no more than three high. The CONTRACTOR shall protect the geotextile rolls at all times from dirt, grease, moisture, heat, sunlight, and any cause of damage. The geotextile rolls shall be left in their protective wrapping from the fabricator until deployed. The CONTRACTOR shall replace geotextile damaged by any means, including wind damage at any time at the CONTRACTOR'S sole expense.

8-05.6(3)B Installation

The geotextile shall be installed the geomembrane after acceptance of the geomembrane by the Installer and ENGINEER.

Geotextile damage deemed unsuitable for placement of overlying material shall be repaired. Geotextile repairs shall be approved by the Installer's master seamer. Repair shall be the responsibility of the CONTRACTOR.

The geotextile shall be installed as shown on the Plans. Adjoining sections of geotextile shall have no less than a 6-inch overlap and shall be heat bonded.

The CONTRACTOR shall not operate equipment or vehicles of any kind on the geotextile before placement of the CSTC cover layer. Any damaged sections of geotextile caused by wind, weather, CONTRACTOR'S activities, or any other means, shall be repaired or replaced at no additional cost to the OWNER.

8-05.7 Warranty

The installer of the geotextile and geomembrane material and associated appurtenances shall warrant his workmanship to be free of defects on a non prorated basis for two (2) years. After acceptance of the work by the OWNER, the installer shall provide all warranty work and associated costs required by the OWNER at the CONTRACTOR'S sole expense.

The installer shall also obtain and furnish the OWNER a warranty from the geotextile and geomembrane manufacturers for the materials used. The material warranty for the geomembrane shall be for defects or failure of the material for 20 years after acceptance of the work by the OWNER on a prorated basis. All defects or failure of the material during the workmanship warranty period shall be repaired at the CONTRACTOR'S sole expense.

8-05.8 Measurement & Payment

Geotextile and geomembrane are included in the “Staging Area” lump sum bid item and no separate measurement or payment will be made.

END OF DIVISION 8

The high density polyethylene (HDPE) geomembrane shall be smooth on both sides. The HDPE geomembrane shall have the following physical properties as determined by test method:

Property	Test Method	Smooth HDPE Value
Thickness (Mils min. avg.) <ul style="list-style-type: none"> • Lowest individual of 10 values • Lowest individual for 8 of 10 values • Lowest individual for 10 of 10 values 	ASTM D 5199	40 Nom. (-5%) -10% -15%
Asperity Height (min. avg.) (mil)	GM 12	NA
Density (g/ml, min. avg.)	ASTM D 1505/D 792	.940
Minimum Tensile Properties (each direction) (min. avg.) <ol style="list-style-type: none"> 1. Tensile Strength Yield (lb/in width) 2. Tensile Strength at Break (lb/in width) 3. Elongation at Yield (%) 4. Elongation at Break (%) 	ASTM D 6693	84 152 12 700
Puncture Resistance (min. avg.) (Lbs.)	ASTM D 4833	72
Tear Resistance (lbs, min.)	ASTM D 1004	28
Stress Crack Resistance ⁽¹⁾⁽²⁾ (minimum hours with no failure)	ASTM D 5397 (Attachment)	300
Oxidative Induction Time (OIT) Std. OIT, min.	ASTM D 3895	100
Carbon Black Content (% Allowable Range)	ASTM D 1603	2-3
Carbon Black Dispersion	ASTM D 5596 (Attachment)	1 or 2

(1) The yield stress used to calculate the applied load for the SP NCIL test should be the manufacture's mean value via MQC testing.

(2) Five replicate samples with 5 of 5 > 200 hrs.

Rolls shall be labeled such that it is possible to relate each roll with manufacturing quality control documentation and raw material documentation.

END OF DIVISION 9

APPENDIX A

Prevailing Wage Rates

State of Washington
DEPARTMENT OF LABOR AND INDUSTRIES
 Prevailing Wage Section - Telephone (360) 902-5335
 PO Box 44540, Olympia, WA 98504-4540

Washington State Prevailing Wage Rates For Public Works Contracts

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

GRANT COUNTY

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<u>Classification</u>	<u>PREVAILING WAGE</u>	<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
(See Benefit Code Key)				
ASBESTOS ABATEMENT WORKERS				
JOURNEY LEVEL	\$29.21	1M	5D	
BOILERMAKERS				
JOURNEY LEVEL	\$47.47	1C	5N	
BRICK AND MARBLE MASONS				
JOURNEY LEVEL	\$35.72	1M	5A	
CABINET MAKERS (IN SHOP)				
JOURNEY LEVEL	\$8.45	1		
CARPENTERS				
CARPENTER	\$34.98	1B	5A	8N
MILLWRIGHT AND MACHINE ERECTORS	\$36.48	1B	5A	8N
PILEDRIIVER/CARPENTER	\$34.98	1B	5A	8N
PILEDRIIVER/DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING, OR CREOSOTE TREATED MATERIAL ON ALL PILING	\$35.25	1B	5A	8N
CEMENT MASONS				
JOURNEY LEVEL	\$32.59	1N	5D	
DIVERS & TENDERS				
DIVER	\$70.24	1B	5A	8A
DIVER TENDER	\$37.57	1B	5A	
DIVING MASTER	\$44.30	1B	5A	
SURFACE RCV & ROV OPERATOR	\$37.57	1B	5A	
SURFACE RCV & ROV OPERATOR TENDER	\$35.35	1B	5A	
DREDGE WORKERS				
ASSISTANT ENGINEER	\$44.59	1N	5D	8D
ASSISTANT MATE (DECKHAND)	\$44.08	1N	5D	8D
BOATMEN	\$44.59	1N	5D	8D
ENGINEER WELDER	\$44.64	1N	5D	8D
LEVERMAN, HYDRAULIC	\$46.21	1N	5D	8D
MAINTENANCE	\$41.64	1N	5D	8D
MATES	\$44.59	1N	5D	8D
OILER	\$41.64	1N	5D	8D
DRYWALL TAPERS				
JOURNEY LEVEL	\$30.44	1P	5A	
ELECTRICAL FIXTURE MAINTENANCE WORKERS				
JOURNEY LEVEL	\$7.93	1		
ELECTRICIANS - INSIDE				
CABLE SPLICER	\$42.97	1D	5B	
CONSTRUCTION STOCK PERSON	\$19.10	1D	5B	
JOURNEY LEVEL	\$40.15	1D	5B	
ELECTRICIANS - MOTOR SHOP				
CRAFTSMAN	\$15.37	2A	6C	
JOURNEY LEVEL	\$14.69	2A	6C	

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		<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
ELECTRICIANS - POWERLINE CONSTRUCTION				
CABLE SPLICER	\$54.37	4A	5A	
CERTIFIED LINE WELDER	\$49.64	4A	5A	
GROUNDPERSON	\$35.93	4A	5A	
HEAD GROUNDPERSON	\$37.89	4A	5A	
HEAVY LINE EQUIPMENT OPERATOR	\$49.64	4A	5A	
JACKHAMMER OPERATOR	\$37.89	4A	5A	
JOURNEY LEVEL LINEPERSON	\$49.64	4A	5A	
LINE EQUIPMENT OPERATOR	\$42.27	4A	5A	
POLE SPRAYER	\$49.64	4A	5A	
POWDERPERSON	\$37.89	4A	5A	
ELECTRONIC TECHNICIANS				
ELECTRONIC TECHNICIANS JOURNEY LEVEL	\$17.31	1		
ELEVATOR CONSTRUCTORS				
MECHANIC	\$57.88	4A	6Q	
MECHANIC IN CHARGE	\$63.45	4A	6Q	
FABRICATED PRECAST CONCRETE PRODUCTS				
ALL CLASSIFICATIONS	\$9.96	1		
FENCE ERECTORS				
FENCE ERECTOR	\$13.80	1		
FENCE LABORER	\$11.60	1		
FLAGGERS				
JOURNEY LEVEL	\$26.01	1		
GLAZIERS				
JOURNEY LEVEL	\$24.04	1K	5A	
HEAT & FROST INSULATORS AND ASBESTOS WORKERS				
MECHANIC	\$18.36	1		
HEATING EQUIPMENT MECHANICS				
MECHANIC	\$27.68	1		
HOD CARRIERS & MASON TENDERS				
JOURNEY LEVEL	\$30.80	1M	5D	
INDUSTRIAL ENGINE AND MACHINE MECHANICS				
MECHANIC	\$15.65	1		
INDUSTRIAL POWER VACUUM CLEANER				
JOURNEY LEVEL	\$9.10	1		
INSPECTION/CLEANING/SEALING OF SEWER & WATER SYSTEMS BY REMOTE CONTROL				
CLEANER OPERATOR, FOAMER OPERATOR	\$9.73	1		
GROUT TRUCK OPERATOR	\$11.48	1		
HEAD OPERATOR	\$12.78	1		
TECHNICIAN	\$7.93	1		
TV TRUCK OPERATOR	\$10.53	1		
INSULATION APPLICATORS				
JOURNEY LEVEL	\$21.37	1		
IRONWORKERS				
JOURNEY LEVEL	\$43.74	1O	5A	
LABORERS				
ASPHALT RAKER	\$29.75	1M	5D	
ASPHALT ROLLER, WALKING	\$29.48	1M	5D	
BRUSH HOG FEEDER	\$29.21	1M	5D	
BRUSH MACHINE	\$29.75	1M	5D	
CARPENTER TENDER	\$29.21	1M	5D	

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(See Benefit Code Key)

<u>Classification</u>	<u>PREVAILING WAGE</u>	<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
CASSION WORKER	\$29.75	1M	5D	
CEMENT FINISHER TENDER	\$29.48	1M	5D	
CEMENT HANDLER	\$29.21	1M	5D	
CHAIN SAW OPERATOR AND FALLER	\$29.75	1M	5D	
CLEAN-UP LABORER	\$29.21	1M	5D	
CONCRETE CREWMAN	\$29.21	1M	5D	
CONCRETE SAW, WALKING	\$29.48	1M	5D	
CONCRETE SIGNALMAN	\$29.21	1M	5D	
CONCRETE STACK	\$29.75	1M	5D	
CRUSHER FEEDER	\$29.21	1M	5D	
DEMOLITION	\$29.21	1M	5D	
DEMOLITION TORCH	\$29.48	1M	5D	
DOPE POT FIREMAN	\$29.48	1M	5D	
DRILL HELPER, WHEN REQUIRED TO MOVE AND POSITON MACHINERY	\$29.48	1M	5D	
DRILL WITH DUAL MASTS	\$30.03	1M	5D	
DRILL, AIR TRACT	\$29.75	1M	5D	
DRILLS, WAGON	\$29.48	1M	5D	
DUMPMAN	\$29.21	1M	5D	
EROSION CONTROL WORKER	\$29.21	1M	5D	
FINAL DETAIL CLEANUP (i.e., dusting, vacuuming, window cleaning; NOT construction debris cleanup)	\$27.11	1M	5D	
FIRE WATCH	\$29.21	1M	5D	
FORM CLEANING MACHINE FEEDER, STACKER	\$29.21	1M	5D	
FORM SETTER, PAVING	\$29.48	1M	5D	
GENERAL LABORER	\$29.21	1M	5D	
GRADE CHECKER USING LEVEL, OPTIONAL	\$29.48	1M	5D	
GROUT MACHINE HEADER TENDER	\$29.21	1M	5D	
GUARDRAIL ERECTOR	\$29.21	1M	5D	
GUNITE NOZZLEMAN	\$29.75	1M	5D	
HAZARDOUS WASTE WORKER LEVEL A	\$30.03	1M	5D	
HAZARDOUS WASTE WORKER LEVEL B	\$29.75	1M	5D	
HAZARDOUS WASTE WORKER LEVEL C	\$29.48	1M	5D	
HAZARDOUS WASTE WORKER LEVEL D	\$29.21	1M	5D	
HIGH SCALER	\$29.75	1M	5D	
JACKHAMMER	\$29.48	1M	5D	
LASER BEAM OPERATOR	\$29.75	1M	5D	
MINER, CLASS "A"	\$29.21	1M	5D	
MINER, CLASS "B"	\$29.48	1M	5D	
MINER, CLASS "C"	\$29.75	1M	5D	
MINER, CLASS "D"	\$30.03	1M	5D	
MONITOR OPERATOR, AIR TRACK, OR SIMILAR	\$29.75	1M	5D	
MORTAR MIXER	\$29.75	1M	5D	
NIPPER	\$29.21	1M	5D	
NOZZLEMAN, TO INCLUDE JET BLASTING	\$29.75	1M	5D	
NOZZLEMAN, TO INCLUDE SQUEEZE AND FLOW-CRETE	\$29.48	1M	5D	
NOZZLEMAN, WATER, AIR OR STEAM	\$29.48	1M	5D	
PAVEMENT BREAKER, 90 LBS & OVER	\$29.75	1M	5D	
PAVEMENT BREAKER, UNDER 90 LBS	\$29.48	1M	5D	
PIPE, WATER LINER	\$29.48	1M	5D	
PIPELAYER, CORRUGATED METAL CULVERT	\$29.48	1M	5D	
PIPELAYER, MULTI PLATE	\$29.48	1M	5D	
PIPELAYER, TO INCLUDE WORKING TOPMAN	\$29.75	1M	5D	

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PIPEWRAPPER	\$29.75	1M	5D	
PLASTERER TENDER	\$29.75	1M	5D	
POT TENDER	\$29.48	1M	5D	
POWDERMAN	\$31.40	1M	5D	
POWDERMAN HELPER	\$29.48	1M	5D	
POWER BUGGY OPERATOR	\$29.48	1M	5D	
POWER TOOL OPERATOR (GAS, ELECTRIC OR PNEUMATIC)	\$29.48	1M	5D	
RAILROAD POWER SPIKER OR PULLER, DUAL MOBILE	\$29.48	1M	5D	
RIPRAP PERSON	\$29.21	1M	5D	
RODDER & SPREADER	\$29.48	1M	5D	
SCAFFOLD ERECTOR, WOOD OR STEEL	\$29.21	1M	5D	
STAKE JUMPER	\$29.21	1M	5D	
STRUCTURAL MOVER	\$29.21	1M	5D	
TAILHOSEMAN, SANDBLAST	\$29.21	1M	5D	
TAILHOSEMAN, WATER NOZZLE	\$29.21	1M	5D	
TAMPER	\$29.48	1M	5D	
TIMBER BUCKER & FALLER (BY HAND)	\$29.21	1M	5D	
TRACK LABORER	\$29.21	1M	5D	
TRENCHER, SHAWNEE	\$29.48	1M	5D	
TRUCK LOADER	\$29.21	1M	5D	
TUGGER OPERATOR	\$29.48	1M	5D	
VIBRATOR	\$29.75	1M	5D	
WELDER (ELECTRIC, MANUAL OR AUTOMATIC)	\$30.03	1M	5D	
WELL-POINT MAN	\$29.21	1M	5D	
WHEELBARROW, POWER DRIVEN	\$29.48	1M	5D	
LABORERS - UNDERGROUND SEWER & WATER				
GENERAL LABORER	\$29.21	1M	5D	
PIPE LAYER	\$29.75	1M	5D	
LANDSCAPE CONSTRUCTION				
IRRIGATION OR LAWN SPRINKLER INSTALLERS	\$9.00	1		
LANDSCAPE EQUIPMENT OPERATORS OR TRUCK DRIVERS	\$9.00	1		
LANDSCAPING OR PLANTING LABORERS	\$9.00	1		
LATHERS				
JOURNEY LEVEL	\$34.31	1B	5A	8N
METAL FABRICATION (IN SHOP)				
FITTER/WELDER	\$10.79	1		
PAINTER	\$7.93	1		
PAINTERS				
JOURNEY LEVEL	\$27.47	1W	5A	
PLASTERERS				
JOURNEY LEVEL	\$10.00	1		
PLAYGROUND & PARK EQUIPMENT INSTALLERS				
JOURNEY LEVEL	\$7.93	1		
PLUMBERS & PIPEFITTERS				
JOURNEY LEVEL	\$54.24	1Q	5A	
POWER EQUIPMENT OPERATORS				
A-FRAME TRUCK (2 OR MORE DRUMS)	\$33.19	1M	5D	8D
A-FRAME TRUCK (SINGLE DRUM)	\$32.58	1M	5D	8D
ASPHALT PLANT OPERATOR	\$33.79	1M	5D	8D
ASSISTANT PLANT FIREMAN OR PUGMIXER	\$32.58	1M	5D	8D
ASSISTANT REFRIGERATION PLANT & CHILLER (OVER 1000 TONS)	\$33.19	1M	5D	8D
ASSISTANT REFRIGERATION PLANT (UNDER 1000 TON)	\$32.58	1M	5D	8D

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		<u>Over Time Code</u>	<u>Holiday Code</u>	<u>Note Code</u>
AUTOMATIC SUBGRADER (DITCHES & TRIMMERS)	\$33.79	1M	5D	8D
BACKFILLERS (CLEVELAND & SIMILAR)	\$33.19	1M	5D	8D
BACKHOE & HOE RAM (UNDER 3/4 YARD)	\$33.51	1M	5D	8D
BACKHOE & HOE RAM (3/4 - 3 YD)	\$33.79	1M	5D	8D
BACKHOE (45,000 GW & UNDER)	\$33.51	1M	5D	8D
BACKHOE (45,000 GW TO 110,000 GW)	\$33.79	1M	5D	8D
BACKHOE (OVER 110,000 GW)	\$34.06	1M	5D	8D
BACKHOE, (3 YD & OVER)	\$34.06	1M	5D	8D
BATCH & WET MIX (MULTIPLE UNITS)	\$33.79	1M	5D	8D
BATCH PLANT & WET MIX (SINGLE UNIT)	\$33.19	1M	5D	8D
BATCH PLANT (OVER 4 UNITS)	\$33.79	1M	5D	8D
BELT FINISHING MACHINE	\$32.58	1M	5D	8D
BELT-CRETE CONVEYORS WITH POWER PACK	\$33.19	1M	5D	8D
BENDING MACHINE	\$33.19	1M	5D	8D
BIT GRINDERS	\$32.26	1M	5D	8D
BLADE (FINISH & BLUETOP) (AUTOMATIC, CMI, ABC)	\$34.06	1M	5D	8D
BLADE (FINISH ATHEY & HUBER)	\$34.06	1M	5D	8D
BLADE (MOTOR PATROL & ATTACHMENTS)	\$33.79	1M	5D	8D
BLOWER OPERATOR (CEMENT)	\$32.58	1M	5D	8D
BOAT OPERATORS	\$31.71	1M	5D	8D
BOBCAT (SKID STEER)	\$33.19	1M	5D	8D
BOLT THREADING MACHINE	\$32.26	1M	5D	8D
BOOM CATS (SIDE)	\$33.79	1M	5D	8D
BORING MACHINE (EARTH)	\$33.19	1M	5D	8D
BORING MACHINE (ROCK)	\$33.19	1M	5D	8D
BUMP CUTTER (WAYNE, SAGINAW OR SIMILAR)	\$33.19	1M	5D	8D
CABLEWAY CONTROLLER (DISPATCHER)	\$33.79	1M	5D	8D
CABLEWAY OPERATORS	\$34.06	1M	5D	8D
CANAL LINING MACHINE (CONCRETE)	\$33.19	1M	5D	8D
CARRYDECK & BOOM TRUCK	\$33.51	1M	5D	8D
CEMENT HOG	\$32.58	1M	5D	8D
CHIPPER (WITHOUT CRANE)	\$33.19	1M	5D	8D
CLEANING & DOPING MACHINE (PIPELINE)	\$33.19	1M	5D	8D
COMPACTOR, SELF PROPELLED WITH BLADE	\$33.79	1M	5D	8D
COMPRESSORS (OVER 2000 CFM, 2 OR MORE)	\$32.58	1M	5D	8D
COMPRESSORS (UNDER 2000 CFM, GAS, DIESEL)	\$32.26	1M	5D	8D
CONCRETE CLEANING/DECONTAMINATION MACHINE OPERATOR	\$34.06	1M	5D	8D
CONCRETE PUMP BOOM TRUCK	\$33.79	1M	5D	8D
CONCRETE PUMPS (SQUEEZE-CRETE, FLOW-CRETE)	\$33.35	1M	5D	8D
CONCRETE SAW (MULTIPLE CUT)	\$32.58	1M	5D	8D
CONCRETE SLIP FORM PAVER	\$33.79	1M	5D	8D
CRANES, 25 TON & UNDER	\$33.51	1M	5D	8D
CRANES, OVER 25 TON, TO & INCLUDING 45 TON, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE	\$33.79	1M	5D	8D
CRANES, OVER 25 TON, TO & INCLUDING 45 TON, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE (180' TO 250' BOOM)	\$34.06	1M	5D	8D
CRANES, OVER 25 TON, TO & INCLUDING 45 TON, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE (OVER 250' BOOM)	\$34.59	1M	5D	8D
CRANES, OVER 45 TON, TO & INCLUDING 85 TON, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE	\$34.06	1M	5D	8D
CRANES, OVER 45 TON, TO & INCLUDING 85 TON, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE (180' TO 250' BOOM)	\$34.56	1M	5D	8D
CRANES, OVER 45 TON, TO & INCLUDING 85 TON, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE (OVER 250' BOOM)	\$34.86	1M	5D	8D

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<u>Classification</u>	<u>PREVAILING WAGE</u>	(See Benefit Code Key)		
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CRANES, 85 TON & OVER AND ALL CLIMBING, OVERHEAD, RAIL & TOWER, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE	\$35.01	1M	5D	8D
CRANES, 85 TON & OVER AND ALL CLIMBING, OVERHEAD, RAIL & TOWER, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE (180' TO 250' BOOM)	\$35.66	1M	5D	8D
CRANES, 85 TON & OVER AND ALL CLIMBING, OVERHEAD, RAIL & TOWER, ALL ATTACHMENTS INCL. CLAMSHELL AND DRAGLINE (OVER 250' BOOM)	\$35.96	1M	5D	8D
CRUSHER FEEDERMAN	\$31.71	1M	5D	8D
CRUSHER, GRIZZLE & SCREENING PLANT	\$33.79	1M	5D	8D
DECK ENGINEER	\$33.19	1M	5D	8D
DECK HAND	\$32.26	1M	5D	8D
DERRICKS & STIFFLEGS (UNDER 65 TON)	\$33.51	1M	5D	8D
DERRICKS & STIFFLEGS (65 TON & OVER)	\$34.06	1M	5D	8D
DISTRIBUTOR LEVERMAN	\$32.58	1M	5D	8D
DITCH WITCH OR SIMILAR	\$32.58	1M	5D	8D
DOPE POTS (POWER AGITATED)	\$32.58	1M	5D	8D
DOZER, 834 R/T & SIMILAR	\$33.79	1M	5D	8D
DOZER, MULTIPLE UNITS WITH SINGLE BLADE	\$33.79	1M	5D	8D
DRILL DOCTOR	\$33.79	1M	5D	8D
DRILLERS HELPER	\$32.26	1M	5D	8D
DRILLING EQUIPMENT (8 INCH BIT & OVER)	\$33.51	1M	5D	8D
DRILLS (CHURN, CORE, CALYX OR DIAMOND)	\$33.35	1M	5D	8D
ELEVATING BELT (HOLLAND TYPE)	\$34.06	1M	5D	8D
ELEVATOR HOISTING MATERIALS	\$32.58	1M	5D	8D
EQUIPMENT SERVICEMAN, GREASER AND OILER	\$33.35	1M	5D	8D
FIREMAN & HEATER TENDER	\$32.26	1M	5D	8D
FORK LIFT OR LUMBER STACKER, HYDRA-LIFT	\$32.58	1M	5D	8D
GENERATOR PLANT ENGINEERS (DIESEL, ELECTRIC)	\$33.19	1M	5D	8D
GIN TRUCKS (PIPELINE)	\$32.58	1M	5D	8D
GRADE CHECKER	\$32.26	1M	5D	8D
GUNITE COMBINATION MIXER & COMPRESSOR	\$33.19	1M	5D	8D
H.D. MECHANIC	\$33.79	1M	5D	8D
H.D. WELDER	\$33.79	1M	5D	8D
HEAVY EQUIPMENT ROBOTICS OPERATOR	\$34.06	1M	5D	8D
HELICOPTER PILOT	\$35.01	1M	5D	8D
HELPER, OF H.D. MECHANIC & H.D. WELDER	\$31.71	1M	5D	8D
HOE RAM	\$33.51	1M	5D	8D
HOIST (2 OR MORE DRUMS OR TOWER HOIST)	\$33.35	1M	5D	8D
HOIST (SINGLE-DRUM)	\$32.58	1M	5D	8D
HYDRO SEEDER, MULCHER, NOZZLEMAN	\$32.26	1M	5D	8D
LOADER (360 DEGREES REVOLVING KOEHRING)	\$34.06	1M	5D	8D
LOADER, BELT (KOCAL OR SIMILAR)	\$33.19	1M	5D	8D
LOADER, ELEVATING BELT-TYPE (EUCLID, BARBER)	\$33.19	1M	5D	8D
LOADER, ELEVATING GRADER TYPE (DUMOR, ADAMS)	\$33.19	1M	5D	8D
LOADERS (BUCKET, ELEVATOR & CONVEYORS)	\$32.58	1M	5D	8D
LOADERS, OVERHEAD/FRONT-END (UNDER 4 YD)	\$33.35	1M	5D	8D
LOADERS, OVERHEAD/FRONT-END (4 - 8 YD)	\$33.79	1M	5D	8D
LOADERS, OVERHEAD/FRONT-END (8 - 10 YD)	\$34.06	1M	5D	8D
LOADERS, OVERHEAD/FRONT-END (10 YD & OVER)	\$35.01	1M	5D	8D
LOCOMOTIVE ENGINEER	\$33.19	1M	5D	8D
LONGITUDINAL FLOAT	\$32.58	1M	5D	8D
MASTER ENVIRONMENTAL MAINTENANCE TECHNICIAN	\$34.06	1M	5D	8D

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MIXER (PORTABLE-CONCRETE)	\$32.58	1M	5D	8D
MIXERMOBILE	\$33.19	1M	5D	8D
MUCKING MACHINE	\$33.19	1M	5D	8D
OILER	\$31.71	1M	5D	8D
OILER DRIVER & CABLE TENDER, MUCKING MACHINE	\$32.26	1M	5D	8D
PAVE OR CURB EXTRUDER ASPHALT & CONCRETE	\$33.35	1M	5D	8D
PAVEMENT BREAKER, HYDRAHAMMER & SIMILAR	\$32.58	1M	5D	8D
PAVING (DUAL DRUM)	\$33.51	1M	5D	8D
PAVING MACHINE (ASPHALT OR CONCRETE)	\$33.79	1M	5D	8D
PILEDIVING ENGINEERS	\$33.51	1M	5D	8D
POSTHOLE AUGER OR PUNCH	\$33.19	1M	5D	8D
POWER BROOM	\$32.58	1M	5D	8D
PROBE TENDER (ROTO-MILL)	\$32.58	1M	5D	8D
PUMP (GROUT OR JET)	\$33.19	1M	5D	8D
PUMP OPERATOR (WATER)	\$32.26	1M	5D	8D
QUAD-TRACK OR SIMILAR EQUIPMENT	\$33.79	1M	5D	8D
RAILROAD BALLAST REGULATION SELF-PROPELLED	\$32.58	1M	5D	8D
RAILROAD POWER TAMPER (SELF-PROPELLED)	\$32.58	1M	5D	8D
RAILROAD POWER TAMPER JACK (SELF-PROPELLED)	\$32.58	1M	5D	8D
RAILROAD TRACK LINER OPERATOR (SELF-PROPELLED)	\$33.51	1M	5D	8D
REFRIGERATION PLANT ENGINEER (1000 TONS & OVER)	\$33.51	1M	5D	8D
REFRIGERATION PLANT ENGINEERS (UNDER 1000 TONS)	\$33.35	1M	5D	8D
ROLLER OPERATOR (FINISHING PAVEMENT)	\$33.79	1M	5D	8D
ROLLERS, ALL TYPES ON SUBGRADE (FARM TYPE)	\$32.26	1M	5D	8D
ROTO-MILL PAVEMENT PROFILER	\$33.79	1M	5D	8D
SCRAPER, BAGLEY OR STATIONARY	\$32.58	1M	5D	8D
SCRAPERS, ALL, RUBBER-TIRED	\$33.79	1M	5D	8D
SCRAPERS, RUBBER-TIRED (MULTI-ENGINE WITH 3 OR MORE SCRAPERS)	\$34.06	1M	5D	8D
SCREED OPERATOR	\$33.79	1M	5D	8D
SHOVELS, (3 YD & OVER)	\$34.06	1M	5D	8D
SHOVELS, (UNDER 3 YD)	\$33.79	1M	5D	8D
SIGNALMEN (WHIRLEYS, HIGHLINE, HAMMERHEADS)	\$33.51	1M	5D	8D
SKIDDER, RUBBER-TIRED (R/T, WITH OR WITHOUT ATTACHMENTS)	\$33.35	1M	5D	8D
SOIL STABILIZER (P & H OR SIMILAR)	\$33.19	1M	5D	8D
SPRAY CURING MACHINE-CONCRETE	\$32.58	1M	5D	8D
SPREADER BOX (SELF-PROPELLED)	\$32.58	1M	5D	8D
SPREADER MACHINE	\$33.19	1M	5D	8D
STEAM CLEANER	\$31.71	1M	5D	8D
STRADDLE BUGGY (ROSS & SIMILAR)	\$32.58	1M	5D	8D
SURFACE HEATER & PLANNER MACHINE	\$33.35	1M	5D	8D
TRACTOR, FARM-TYPE R/T WITH ATTACHMENTS	\$32.58	1M	5D	8D
TRACTOR, TO D-6 OR EQUIVALENT & OVER	\$33.79	1M	5D	8D
TRACTOR, TO D-6 OR EQUIVALENT & TRAXCAVATOR	\$33.19	1M	5D	8D
TRAVERSE FINISHING MACHINE	\$33.19	1M	5D	8D
TRENCHING MACHINES (7 FT DEPTH & OVER)	\$33.79	1M	5D	8D
TRENCHING MACHINES (UNDER 7 FT DEPTH)	\$33.35	1M	5D	8D
TUG BOAT OPERATOR	\$33.79	1M	5D	8D
TUGGER OPERATOR	\$32.58	1M	5D	8D
TURNHEAD (WITH RE-SCREENING)	\$33.35	1M	5D	8D
TURNHEAD OPERATOR	\$33.19	1M	5D	8D

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ULTRA HIGH PRESSURE WATERJET CUTTING TOOL SYSTEM OPERATOR (30,000 PSI)	\$34.06	1M	5D	8D
VACTOR GUZZLER, SUPER SUCKER	\$33.79	1M	5D	8D
VACUUM BLASTING MACHINE OPERATOR	\$34.06	1M	5D	8D
VACUUM DRILL (REVERSE CIRCULATION DRILL)	\$33.35	1M	5D	8D
WELDING MACHINES	\$32.26	1M	5D	8D
WHIRLEYS & HAMMERHEADS, ALL	\$34.06	1M	5D	8D
POWER EQUIPMENT OPERATORS- UNDERGROUND SEWER & WATER (SEE POWER EQUIPMENT OPERATORS)				
POWER LINE CLEARANCE TREE TRIMMERS				
JOURNEY LEVEL IN CHARGE	\$35.62	4A	5A	
SPRAY PERSON	\$33.82	4A	5A	
TREE EQUIPMENT OPERATOR	\$34.27	4A	5A	
TREE TRIMMER	\$31.88	4A	5A	
TREE TRIMMER GROUNDPERSON	\$24.03	4A	5A	
REFRIGERATION & AIR CONDITIONING MECHANICS MECHANIC	\$54.24	1Q	5A	
RESIDENTIAL BRICK & MARBLE MASONS JOURNEY LEVEL	\$35.72	1M	5A	
RESIDENTIAL CARPENTERS JOURNEY LEVEL	\$17.49	1		
RESIDENTIAL CEMENT MASONS JOURNEY LEVEL	\$9.50	1		
RESIDENTIAL DRYWALL TAPERS JOURNEY LEVEL	\$14.00	1		
RESIDENTIAL ELECTRICIANS JOURNEY LEVEL	\$22.95	1		
RESIDENTIAL GLAZIERS JOURNEY LEVEL	\$13.80	1		
RESIDENTIAL INSULATION APPLICATORS JOURNEY LEVEL	\$10.00	1		
RESIDENTIAL LABORERS JOURNEY LEVEL	\$15.20	1		
RESIDENTIAL PAINTERS JOURNEY LEVEL	\$12.00	1		
RESIDENTIAL PLUMBERS & PIPEFITTERS JOURNEY LEVEL	\$28.20	1		
RESIDENTIAL SHEET METAL WORKERS JOURNEY LEVEL (FIELD OR SHOP)	\$26.53	1		
RESIDENTIAL SOFT FLOOR LAYERS JOURNEY LEVEL	\$22.77	1		
RESIDENTIAL TERRAZZO/TILE FINISHERS JOURNEY LEVEL	\$17.00	1		
ROOFERS JOURNEY LEVEL	\$21.27	1		
SHEET METAL WORKERS JOURNEY LEVEL (FIELD OR SHOP)	\$38.92	1B	5A	
SIGN MAKERS & INSTALLERS (ELECTRICAL) JOURNEY LEVEL	\$45.14	1E	5B	
SIGN MAKERS & INSTALLERS (NON-ELECTRICAL) JOURNEY LEVEL	\$14.65	1		

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SOFT FLOOR LAYERS				
JOURNEY LEVEL	\$22.77	1		
SOLAR CONTROLS FOR WINDOWS				
JOURNEY LEVEL	\$7.93	1		
SPRINKLER FITTERS (FIRE PROTECTION)				
JOURNEY LEVEL	\$42.60	1R	5Q	
STAGE RIGGING MECHANICS (NON STRUCTURAL)				
JOURNEY LEVEL	\$13.23	1		
SURVEYORS				
CHAIN PERSON	\$9.25	1		
INSTRUMENT PERSON	\$12.05	1		
PARTY CHIEF	\$15.05	1		
TELECOMMUNICATION TECHNICIANS				
TELECOMMUNICATION TECHNICIANS JOURNEY LEVEL	\$17.65	1		
TELEPHONE LINE CONSTRUCTION - OUTSIDE				
CABLE SPLICER	\$30.66	2B	5A	
HOLE DIGGER/GROUND PERSON	\$17.19	2B	5A	
INSTALLER (REPAIRER)	\$29.41	2B	5A	
JOURNEY LEVEL TELEPHONE LINEPERSON	\$28.53	2B	5A	
SPECIAL APPARATUS INSTALLER I	\$30.66	2B	5A	
SPECIAL APPARATUS INSTALLER II	\$30.05	2B	5A	
TELEPHONE EQUIPMENT OPERATOR (HEAVY)	\$30.66	2B	5A	
TELEPHONE EQUIPMENT OPERATOR (LIGHT)	\$28.53	2B	5A	
TELEVISION LINEPERSON/INSTALLER	\$21.68	2B	5A	
TELEVISION SYSTEM TECHNICIAN	\$35.78	2B	5A	
TELEVISION TECHNICIAN	\$23.19	2B	5A	
TREE TRIMMER	\$28.53	2B	5A	
TERRAZZO WORKERS & TILE SETTERS				
JOURNEY LEVEL	\$27.82	2M	5A	
TILE, MARBLE & TERRAZZO FINISHERS				
FINISHER	\$23.87	2M	5A	
TRAFFIC CONTROL STRIPERS				
JOURNEY LEVEL	\$36.40	1K	5A	
TRUCK DRIVERS				
DUMP TRUCK	\$26.09	1		
DUMP TRUCK & TRAILER	\$26.09	1		
OTHER TRUCKS	\$27.84	1		
TRANSIT MIXER	\$10.00	1		
WELL DRILLERS & IRRIGATION PUMP INSTALLERS				
IRRIGATION PUMP INSTALLER	\$13.61	1		
OILER	\$9.20	1		
WELL DRILLER	\$18.00	1		

**PREVAILING WAGE RATES
FOR
GRANT COUNTY
APPRENTICES**

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
<u>ASBESTOS ABATEMENT WORKERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1M	5D	
1 0000-1000 HOURS 60.00%	\$20.49	1M	5D	
2 1001-2000 HOURS 70.00%	\$22.67	1M	5D	
3 2001-3000 HOURS 80.00%	\$24.85	1M	5D	
4 3001-4000 HOURS 90.00%	\$27.03	1M	5D	
<u>BOILERMAKERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1C	5N	
1 0000-1000 HOURS 70.00%	\$38.86	1C	5N	
2 1001-2000 HOURS 75.00%	\$40.30	1C	5N	
3 2001-3000 HOURS 80.00%	\$41.73	1C	5N	
4 3001-4000 HOURS 85.00%	\$43.17	1C	5N	
5 4001-5000 HOURS 90.00%	\$44.60	1C	5N	
6 5001-6000 HOURS 95.00%	\$46.04	1C	5N	
<u>BRICK AND MARBLE MASONS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1M	5A	
1 0000-0700 HOURS 40.00%	\$15.92	1M	5A	
2 0701-2100 HOURS 55.00%	\$24.08	1M	5A	
3 2101-2800 HOURS 60.00%	\$25.38	1M	5A	
4 2801-3500 HOURS 70.00%	\$27.96	1M	5A	
5 3501-4200 HOURS 80.00%	\$30.55	1M	5A	
6 4201-5000 HOURS 90.00%	\$33.13	1M	5A	
<u>CARPENTERS</u>				
<u>CARPENTER</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1B	5A	8N
1 0000-0500 HOURS 60.00%	\$20.71	1B	5A	8N
2 0501-1000 HOURS 65.00%	\$21.99	1B	5A	8N
3 1001-1700 HOURS 70.00%	\$23.28	1B	5A	8N
4 1701-2400 HOURS 75.00%	\$28.56	1B	5A	8N
5 2401-3100 HOURS 80.00%	\$29.84	1B	5A	8N
6 3101-3800 HOURS 85.00%	\$31.13	1B	5A	8N
7 3801-4500 HOURS 90.00%	\$32.41	1B	5A	8N
8 4501-5200 HOURS 95.00%	\$33.70	1B	5A	8N
<u>MILLWRIGHT AND MACHINE ERECTORS</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1B	5A	8N
1 1st Period 70.00%	\$24.33	1B	5A	8N
2 2nd Period 75.00%	\$29.69	1B	5A	8N
3 3rd Period 80.00%	\$31.04	1B	5A	8N
4 4th Period 85.00%	\$32.40	1B	5A	8N
<u>PILEDRIIVER/CARPENTER</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1B	5A	8N

**PREVAILING WAGE RATES
FOR
GRANT COUNTY**

APPRENTICES

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
1 0000-0500 HOURS 60.00%	\$20.71	1B	5A	8N
2 0501-1000 HOURS 65.00%	\$21.99	1B	5A	8N
3 1001-1700 HOURS 70.00%	\$23.28	1B	5A	8N
4 1701-2400 HOURS 75.00%	\$28.56	1B	5A	8N
5 2401-3100 HOURS 80.00%	\$29.84	1B	5A	8N
6 3101-3800 HOURS 85.00%	\$31.13	1B	5A	8N
7 3801-4500 HOURS 90.00%	\$32.41	1B	5A	8N
8 4501-5200 HOURS 95.00%	\$33.70	1B	5A	8N

**PILED RIVER/DRIVING, PULLING, CUTTING, PLACING COLLARS, SETTING, WELDING, OR CREOSOTE
TREATED MATERIAL ON ALL PILING**

0 0000-0000 HOURS 0.00%	\$7.93	1B	5A	8N
1 0000-0500 HOURS 60.00%	\$20.87	1B	5A	8N
2 0501-1000 HOURS 65.00%	\$22.17	1B	5A	8N
3 1001-1700 HOURS 70.00%	\$23.47	1B	5A	8N
4 1701-2400 HOURS 75.00%	\$28.76	1B	5A	8N
5 2401-3100 HOURS 80.00%	\$30.06	1B	5A	8N
6 3101-3800 HOURS 85.00%	\$31.36	1B	5A	8N
7 3801-4500 HOURS 90.00%	\$32.66	1B	5A	8N
8 4501-5200 HOURS 95.00%	\$33.95	1B	5A	8N

CEMENT MASONS

JOURNEY LEVEL

0 0000-0000 HOURS 0.00%	\$7.93	1N	5D	
1 0000-1000 HOURS 60.00%	\$22.75	1N	5D	
2 1001-2000 HOURS 70.00%	\$25.21	1N	5D	
3 2001-3000 HOURS 80.00%	\$27.67	1N	5D	
4 3001-4000 HOURS 90.00%	\$30.13	1N	5D	

DRYWALL TAPERS

JOURNEY LEVEL

0 0000-0000 HOURS 0.00%	\$7.93	1P	5A	
1 0000-0750 HOURS 50.00%	\$15.55	1P	5A	
2 0751-1500 HOURS 55.00%	\$16.65	1P	5A	
3 1501-2250 HOURS 65.00%	\$20.80	1P	5A	
4 2251-3000 HOURS 75.00%	\$23.00	1P	5A	
5 3001-3750 HOURS 85.00%	\$27.14	1P	5A	
6 3751-4500 HOURS 90.00%	\$28.14	1P	5A	

ELECTRICIANS - INSIDE

JOURNEY LEVEL

0 0000-0000 HOURS 0.00%	\$7.93	1D	5B	
1 0000-1000 HOURS 40.00%	\$17.41	1D	5B	
2 1001-2000 HOURS 50.00%	\$20.24	1D	5B	
3 2001-3500 HOURS 55.00%	\$24.84	1D	5B	
4 3501-5000 HOURS 65.00%	\$28.24	1D	5B	
5 5001-6500 HOURS 75.00%	\$31.65	1D	5B	
6 6501-8000 HOURS 85.00%	\$35.05	1D	5B	

ELECTRICIANS - POWERLINE CONSTRUCTION

**PREVAILING WAGE RATES
FOR
GRANT COUNTY**

APPRENTICES

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
<u>JOURNEY LEVEL LINEPERSON</u>				
0 0000-0000 HOURS 0.00%	\$7.93	4A	5A	
1 0000-1000 HOURS 60.00%	\$32.03	4A	5A	
2 1001-2000 HOURS 63.00%	\$33.20	4A	5A	
3 2001-3000 HOURS 67.00%	\$34.76	4A	5A	
4 3001-4000 HOURS 72.00%	\$36.71	4A	5A	
5 4001-5000 HOURS 78.00%	\$39.05	4A	5A	
6 5001-6000 HOURS 86.00%	\$42.17	4A	5A	
7 6001-7000 HOURS 90.00%	\$43.73	4A	5A	
<u>POLE SPRAYER</u>				
0 0000-0000 HOURS 0.00%	\$7.93	4A	5A	
1 0000-1000 HOURS 85.70%	\$42.06	4A	5A	
2 1001-2000 HOURS 89.80%	\$43.66	4A	5A	
3 2001-3000 HOURS 92.80%	\$44.83	4A	5A	
<u>ELEVATOR CONSTRUCTORS</u>				
<u>MECHANIC</u>				
0 0000-0000 HOURS 0.00%	\$7.93	4A	6Q	
1 0000-1000 HOURS 50.00%	\$20.69	4A	6Q	
2 1001-1700 HOURS 55.00%	\$37.36	4A	6Q	
3 1701-3400 HOURS 65.00%	\$41.76	4A	6Q	
4 3401-5100 HOURS 70.00%	\$44.55	4A	6Q	
5 5101-6800 HOURS 80.00%	\$48.97	4A	6Q	
<u>ELECTRONIC TECHNICIANS</u>				
<u>ELECTRONIC TECHNICIANS JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-1000 HOURS 40.00%	\$7.93	1		
2 1001-2000 HOURS 50.00%	\$8.66	1		
3 2001-3500 HOURS 55.00%	\$9.52	1		
4 3501-5000 HOURS 65.00%	\$11.25	1		
5 5001-6500 HOURS 75.00%	\$12.98	1		
6 6501-8000 HOURS 85.00%	\$14.71	1		
<u>TELECOMMUNICATION TECHNICIANS</u>				
<u>TELECOMMUNICATION TECHNICIANS JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-1000 HOURS 40.00%	\$7.93	1		
2 1001-2000 HOURS 50.00%	\$8.83	1		
3 2001-3500 HOURS 55.00%	\$9.71	1		
4 3501-5000 HOURS 65.00%	\$11.47	1		
5 5001-6500 HOURS 75.00%	\$13.24	1		
6 6501-8000 HOURS 85.00%	\$15.00	1		
<u>FLAGGERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
<u>GLAZIERS</u>				

**PREVAILING WAGE RATES
FOR
GRANT COUNTY**

APPRENTICES

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1K	5A	
1 0000-1000 HOURS 55.00%	\$9.89	1K	5A	
2 1001-2000 HOURS 60.00%	\$15.33	1K	5A	
3 2001-3000 HOURS 65.00%	\$17.22	1K	5A	
4 3001-4000 HOURS 70.00%	\$18.11	1K	5A	
5 4001-5000 HOURS 80.00%	\$19.89	1K	5A	
6 5001-6000 HOURS 90.00%	\$21.66	1K	5A	
<u>HEAT & FROST INSULATORS AND ASBESTOS WORKERS</u>				
<u>MECHANIC</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-1600 HOURS 60.00%	\$11.02	1		
2 1601-3200 HOURS 70.00%	\$12.85	1		
3 3201-4800 HOURS 80.00%	\$14.69	1		
4 4801-6400 HOURS 90.00%	\$16.52	1		
<u>HOD CARRIERS & MASON TENDERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1M	5D	
1 0000-1000 HOURS 60.00%	\$21.44	1M	5D	
2 1001-2000 HOURS 70.00%	\$23.78	1M	5D	
3 2001-3000 HOURS 80.00%	\$26.12	1M	5D	
4 3001-4000 HOURS 90.00%	\$28.46	1M	5D	
<u>INSULATION APPLICATORS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-1000 HOURS 50.00%	\$10.69	1		
2 1001-2000 HOURS 60.00%	\$12.82	1		
3 2001-3000 HOURS 75.00%	\$16.03	1		
4 3001-4000 HOURS 90.00%	\$19.23	1		
<u>IRONWORKERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1O	5A	
1 0000-0750 HOURS 65.00%	\$25.36	1O	5A	
2 0751-1500 HOURS 70.00%	\$26.77	1O	5A	
3 1501-2250 HOURS 75.00%	\$36.69	1O	5A	
4 2251-3000 HOURS 80.00%	\$38.10	1O	5A	
5 3001-3750 HOURS 90.00%	\$40.92	1O	5A	
6 3751-4500 HOURS 90.00%	\$40.92	1O	5A	
7 4501-5250 HOURS 95.00%	\$42.33	1O	5A	
8 5251-6000 HOURS 95.00%	\$42.33	1O	5A	
<u>LABORERS</u>				
<u>GENERAL LABORER</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1M	5D	
1 0000-1000 HOURS 60.00%	\$20.49	1M	5D	

**PREVAILING WAGE RATES
FOR
GRANT COUNTY**

APPRENTICES

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
2 1001-2000 HOURS 70.00%	\$22.67	1M	5D	
3 2001-3000 HOURS 80.00%	\$24.85	1M	5D	
4 3001-4000 HOURS 90.00%	\$27.03	1M	5D	
<u>LABORERS - UNDERGROUND SEWER & WATER</u>				
<u>GENERAL LABORER</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1M	5D	
1 0000-1000 HOURS 60.00%	\$20.49	1M	5D	
2 1001-2000 HOURS 70.00%	\$22.67	1M	5D	
3 2001-3000 HOURS 80.00%	\$24.85	1M	5D	
4 3001-4000 HOURS 90.00%	\$27.03	1M	5D	
<u>LATHERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1B	5A	8N
1 0000-0500 HOURS 60.00%	\$20.31	1B	5A	8N
2 0501-1000 HOURS 65.00%	\$21.56	1B	5A	8N
3 1001-2000 HOURS 70.00%	\$22.81	1B	5A	8N
4 2001-3000 HOURS 75.00%	\$28.06	1B	5A	8N
5 3001-4000 HOURS 80.00%	\$29.31	1B	5A	8N
6 4001-5000 HOURS 85.00%	\$30.56	1B	5A	8N
7 5001-6000 HOURS 90.00%	\$31.81	1B	5A	8N
8 6001-8000 HOURS 95.00%	\$33.06	1B	5A	8N
<u>PAINTERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1W	5A	
1 0000-0750 HOURS 55.00%	\$15.87	1W	5A	
2 0751-1500 HOURS 65.00%	\$19.16	1W	5A	
3 1501-2250 HOURS 75.00%	\$21.17	1W	5A	
4 2251-3000 HOURS 80.00%	\$23.45	1W	5A	
5 3001-3750 HOURS 85.00%	\$24.46	1W	5A	
6 3751-4500 HOURS 95.00%	\$26.47	1W	5A	
<u>PLASTERERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 1st Period 60.00%	\$7.93	1		
2 2nd Period 70.00%	\$7.93	1		
3 3rd Period 80.00%	\$8.00	1		
4 4th Period 90.00%	\$9.00	1		
<u>PLUMBERS & PIPEFITTERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1Q	5A	
1 0000-1000 HOURS 45.00%	\$35.74	1Q	5A	
2 1001-2000 HOURS 50.00%	\$37.45	1Q	5A	
3 2001-3000 HOURS 55.00%	\$39.15	1Q	5A	
4 3001-4000 HOURS 60.00%	\$40.86	1Q	5A	

**PREVAILING WAGE RATES
FOR
GRANT COUNTY
APPRENTICES**

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
5 4001-5000 HOURS 65.00%	\$42.57	1Q	5A	
6 5001-6000 HOURS 70.00%	\$44.28	1Q	5A	
7 6001-7000 HOURS 75.00%	\$45.99	1Q	5A	
8 7001-8000 HOURS 80.00%	\$47.70	1Q	5A	
9 8001-9000 HOURS 85.00%	\$49.41	1Q	5A	
10 9001-10000 HOURS 85.00%	\$49.41	1Q	5A	
<u>POWER EQUIPMENT OPERATORS</u>				
<u>BACKHOE & HOE RAM (3/4 - 3 YD)</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1M	5D	8D
1 0000-1000 HOURS 55.00%	\$19.39	1M	5D	8D
2 1001-2000 HOURS 60.00%	\$20.63	1M	5D	8D
3 2001-3000 HOURS 65.00%	\$25.12	1M	5D	8D
4 3001-4000 HOURS 70.00%	\$26.36	1M	5D	8D
5 4001-5000 HOURS 75.00%	\$27.60	1M	5D	8D
6 5001-6000 HOURS 80.00%	\$28.84	1M	5D	8D
7 6001-7000 HOURS 85.00%	\$30.07	1M	5D	8D
8 7001-8000 HOURS 90.00%	\$31.31	1M	5D	8D
<u>POWER EQUIPMENT OPERATORS- UNDERGROUND SEWER & WATER</u>				
<u>(SEE POWER EQUIPMENT OPERATORS)</u>				
0 0000-0000 HOURS 0.00%	\$7.93			
1 0000-1000 HOURS 55.00%	\$19.39			
2 1001-2000 HOURS 60.00%	\$20.63			
3 2001-3000 HOURS 65.00%	\$25.12			
4 3001-4000 HOURS 70.00%	\$26.36			
5 4001-5000 HOURS 75.00%	\$27.60			
6 5001-6000 HOURS 80.00%	\$28.84			
7 6001-7000 HOURS 85.00%	\$30.07			
8 7001-8000 HOURS 90.00%	\$31.31			
<u>POWER LINE CLEARANCE TREE TRIMMERS</u>				
<u>TREE TRIMMER</u>				
0 0000-0000 HOURS 0.00%	\$7.93	4A	5A	
1 0000-1000 HOURS 75.00%	\$25.17	4A	5A	
2 1001-2000 HOURS 80.00%	\$26.34	4A	5A	
3 2001-3000 HOURS 85.00%	\$27.52	4A	5A	
4 3001-4000 HOURS 90.00%	\$28.70	4A	5A	
<u>REFRIGERATION & AIR CONDITIONING MECHANICS</u>				
<u>MECHANIC</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1Q	5A	
1 0000-1000 HOURS 45.00%	\$35.74	1Q	5A	
2 1001-2000 HOURS 50.00%	\$37.45	1Q	5A	
3 2001-3000 HOURS 55.00%	\$39.15	1Q	5A	
4 3001-4000 HOURS 60.00%	\$40.86	1Q	5A	
5 4001-5000 HOURS 65.00%	\$42.57	1Q	5A	
6 5001-6000 HOURS 70.00%	\$44.28	1Q	5A	
7 6001-7000 HOURS 75.00%	\$45.99	1Q	5A	

**PREVAILING WAGE RATES
FOR
GRANT COUNTY**

APPRENTICES

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
8 7001-8000 HOURS 80.00%	\$47.70	1Q	5A	
9 8001-9000 HOURS 85.00%	\$49.41	1Q	5A	
10 9001-10000 HOURS 85.00%	\$49.41	1Q	5A	
<u>RESIDENTIAL CARPENTERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 1st Period 60.00%	\$10.49	1		
2 2nd Period 65.00%	\$11.37	1		
3 3rd Period 70.00%	\$12.24	1		
4 4th Period 75.00%	\$13.12	1		
5 5th Period 80.00%	\$13.99	1		
6 6th Period 85.00%	\$14.87	1		
7 7th Period 90.00%	\$15.74	1		
8 8th Period 95.00%	\$16.62	1		
<u>RESIDENTIAL ELECTRICIANS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-0500 HOURS 40.00%	\$9.18	1		
2 0501-1000 HOURS 50.00%	\$11.48	1		
3 1001-2000 HOURS 60.00%	\$13.77	1		
4 2001-3000 HOURS 70.00%	\$16.07	1		
5 3001-4000 HOURS 85.00%	\$19.51	1		
<u>RESIDENTIAL GLAZIERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
<u>RESIDENTIAL PLUMBERS & PIPEFITTERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 1st Period 50.00%	\$14.10	1		
2 2nd Period 55.00%	\$15.51	1		
3 3rd Period 60.00%	\$16.92	1		
4 4th Period 70.00%	\$19.74	1		
5 5th Period 80.00%	\$22.56	1		
6 6th Period 90.00%	\$25.38	1		
<u>RESIDENTIAL SHEET METAL WORKERS</u>				
<u>JOURNEY LEVEL (FIELD OR SHOP)</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-1800 HOURS 40.00%	\$10.61	1		
2 1801-3600 HOURS 50.00%	\$13.27	1		
3 3601-5400 HOURS 60.00%	\$15.92	1		
4 5401-7200 HOURS 70.00%	\$18.57	1		
5 7201-9000 HOURS 80.00%	\$21.22	1		

ROOFERS

**PREVAILING WAGE RATES
FOR
GRANT COUNTY**

APPRENTICES

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-0700 HOURS 60.00%	\$12.76	1		
2 0701-1400 HOURS 70.00%	\$14.89	1		
3 1401-2100 HOURS 80.00%	\$17.02	1		
4 2101-2800 HOURS 85.00%	\$18.08	1		
5 2801-3500 HOURS 90.00%	\$19.14	1		
6 3501-4200 HOURS 95.00%	\$20.21	1		
<u>SHEET METAL WORKERS</u>				
<u>JOURNEY LEVEL (FIELD OR SHOP)</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1B	5A	
1 0000-2000 HOURS 50.00%	\$22.48	1B	5A	
2 2001-3000 HOURS 55.00%	\$23.91	1B	5A	
3 3001-4000 HOURS 60.00%	\$25.40	1B	5A	
4 4001-5000 HOURS 65.00%	\$27.20	1B	5A	
5 5001-6000 HOURS 70.00%	\$29.13	1B	5A	
6 6001-7000 HOURS 75.00%	\$30.77	1B	5A	
7 7001-8000 HOURS 80.00%	\$32.46	1B	5A	
8 8001-9000 HOURS 85.00%	\$34.01	1B	5A	
9 9001-10000 HOURS 90.00%	\$35.56	1B	5A	
<u>SOFT FLOOR LAYERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-1000 HOURS 50.00%	\$11.39	1		
2 1001-2000 HOURS 55.00%	\$12.52	1		
3 2001-3000 HOURS 60.00%	\$13.66	1		
4 3001-4000 HOURS 70.00%	\$15.94	1		
5 4001-5000 HOURS 80.00%	\$18.22	1		
6 5001-6000 HOURS 90.00%	\$20.49	1		
<u>SPRINKLER FITTERS (FIRE PROTECTION)</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1R	5Q	
1 1st Period 50.00%	\$20.49	1R	5Q	
10 10th Period 90.00%	\$39.81	1R	5Q	
2 2nd Period 50.00%	\$20.49	1R	5Q	
3 3rd Period 55.00%	\$26.02	1R	5Q	
4 4th Period 60.00%	\$27.42	1R	5Q	
5 5th Period 65.00%	\$32.82	1R	5Q	
6 6th Period 70.00%	\$34.22	1R	5Q	
7 7th Period 75.00%	\$35.61	1R	5Q	
8 8th Period 80.00%	\$37.01	1R	5Q	
9 9th Period 85.00%	\$38.41	1R	5Q	
<u>TILE, MARBLE & TERRAZZO FINISHERS</u>				

**PREVAILING WAGE RATES
FOR
GRANT COUNTY
APPRENTICES**

**EFFECTIVE DATE
8/31/2007**

Stage of Progression & Hour Range	Prevailing Wage	Overtime Code	Holiday Code	Note Code
<u>FINISHER</u>				
0 0000-0000 HOURS 0.00%	\$7.93	2M	5A	
1 0000-0700 HOURS 60.00%	\$17.55	2M	5A	
2 0701-2100 HOURS 70.00%	\$19.13	2M	5A	
3 2101-2800 HOURS 80.00%	\$20.71	2M	5A	
4 2801-3500 HOURS 90.00%	\$22.29	2M	5A	
<u>TERRAZZO WORKERS & TILE SETTERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	2M	5A	
1 0000-0700 HOURS 50.00%	\$17.94	2M	5A	
2 0701-2100 HOURS 60.00%	\$19.92	2M	5A	
3 2101-2800 HOURS 70.00%	\$21.89	2M	5A	
4 2801-3500 HOURS 80.00%	\$23.87	2M	5A	
5 3501-4200 HOURS 90.00%	\$25.84	2M	5A	
6 4201-4900 HOURS 95.00%	\$26.83	2M	5A	
<u>TRAFFIC CONTROL STRIPERS</u>				
<u>JOURNEY LEVEL</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1K	5A	
1 0000-0500 HOURS 60.00%	\$15.23	1K	5A	
2 0501-1000 HOURS 60.00%	\$20.55	1K	5A	
3 1001-2333 HOURS 60.00%	\$24.05	1K	5A	
4 2334-4666 HOURS 73.00%	\$28.06	1K	5A	
5 4667-7000 HOURS 88.00%	\$32.69	1K	5A	
<u>TRUCK DRIVERS</u>				
<u>DUMP TRUCK</u>				
0 0000-0000 HOURS 0.00%	\$7.93	1		
1 0000-0700 HOURS 70.00%	\$18.26	1		
2 0701-1400 HOURS 80.00%	\$20.87	1		
3 1401-2100 HOURS 90.00%	\$23.48	1		

APPENDIX B

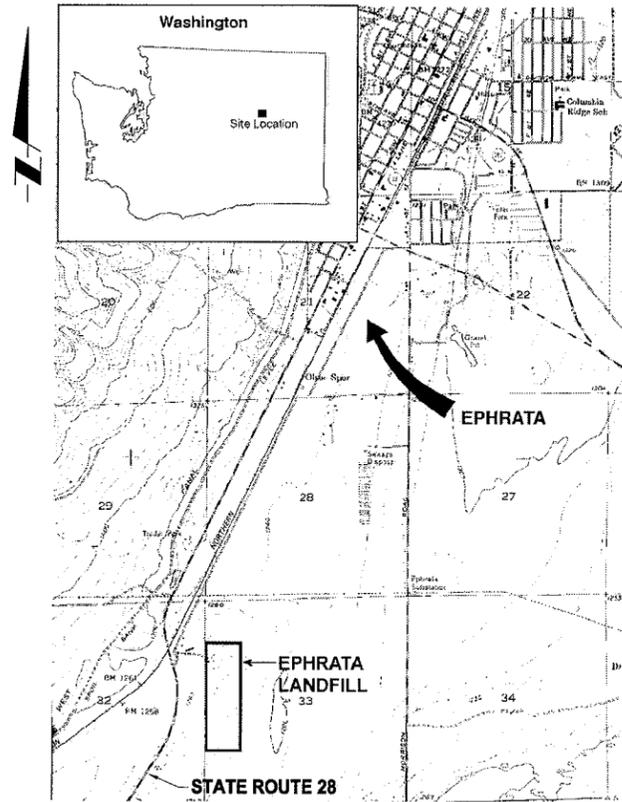
Half-Sized Engineering Plans

EPHRATA LANDFILL DRUM REMOVAL

OWNED AND OPERATED BY:

GRANT COUNTY PUBLIC WORKS DEPARTMENT

124 ENTERPRISE STREET S.E.
EPHRATA, WASHINGTON 98823-0037



Source: USGS 7.5 Minute Quad Ephrata, WA Base Map, 1978

LOCATION MAP



CITY COMMISSIONERS:

- DISTRICT 1 RICHARD STEVENS
- DISTRICT 2 LEROY ALLISON
- DISTRICT 3 CINDY CARTER

SHEET INDEX

SHEET NO	TITLE
1	TITLE SHEET, VICINITY MAP, AND INDEX TO DRAWINGS
2	ABBREVIATIONS, LEGEND, SITE PLAN, AND GENERAL NOTES
3	WORK AREA PLAN
4	DRUM CACHE SECTIONS
5	STAGING AREA PLANS AND DETAILS

Derek Pohle, P.E., Director
Grant County Public Works Department
P.O. Box 37
124 Enterprise St. S.E.
Ephrata, WA. 98823-0037

Dwight E. Miller
Dwight E. Miller, P.E., Principal in Charge
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411 108th Avenue N.E., Suite 1800
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Brian Pippin
Brian Pippin, P.E., Project Engineer
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Bellevue, WA 98004



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www.parametrix.com

PROJECT NAME
**EPHRATA LANDFILL DRUM REMOVAL
GRANT COUNTY PUBLIC WORKS**

EPHRATA, WASHINGTON

**TITLE SHEET, VICINITY MAP, AND
INDEX TO DRAWINGS**

DRAWING NO.
1 OF 5

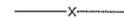
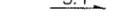
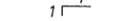
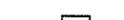
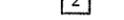
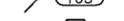
1

REVISIONS	DATE	BY	DESIGNED
			B. PIPPIN
			S. SIREN
			CADD CHECKED
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE,
IF NOT, SCALE ACCORDINGLY
FILE NAME
BL1860011P03T06-CD1
JOB No.
55-1860-011-03-06
DATE
JANUARY 2008

DATE: 01/17/08 08:20am IMAGES: Fig-1-Ephrata.dwg | XREF: S:\BL1860011P03T06-06-TB | Brian Pippin .sed |

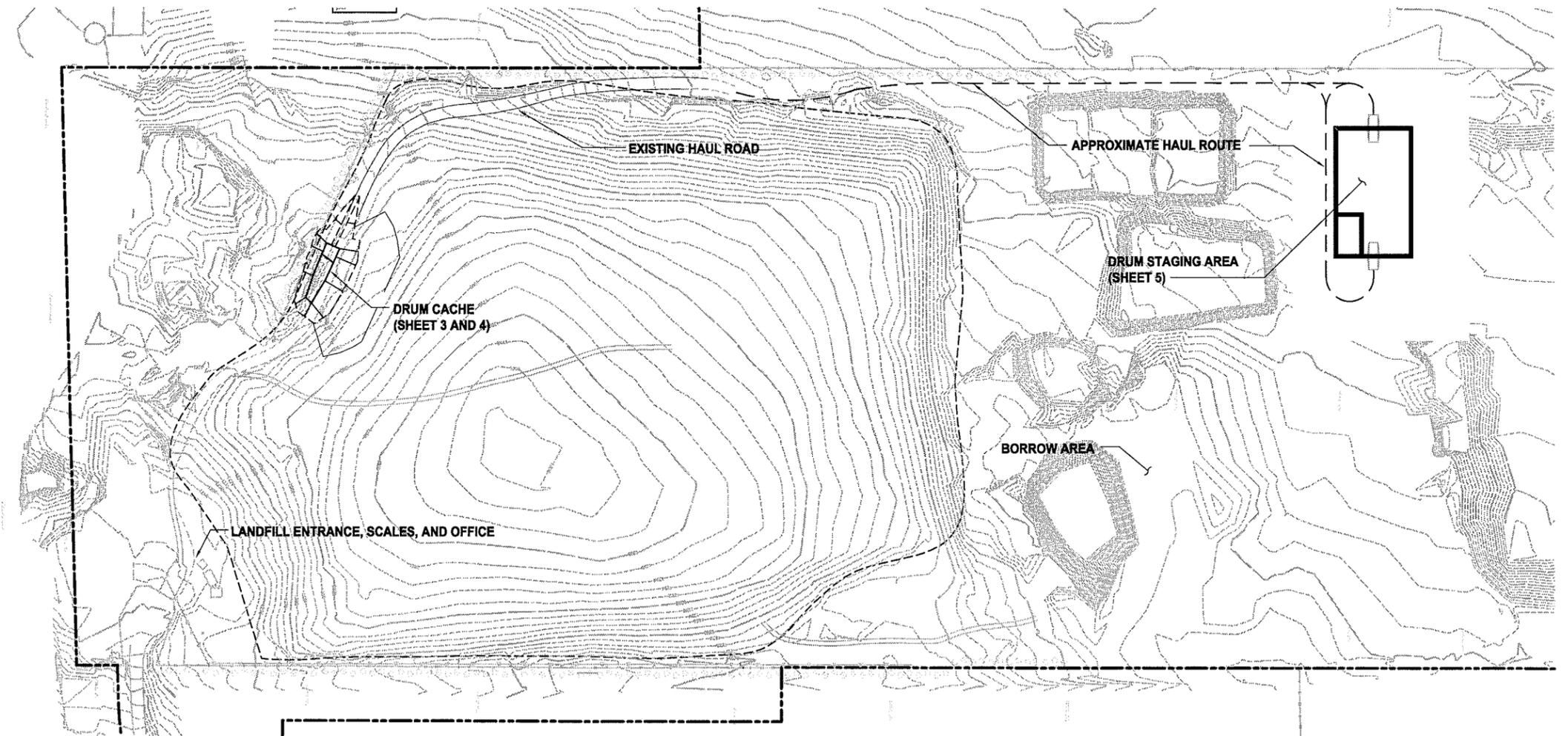
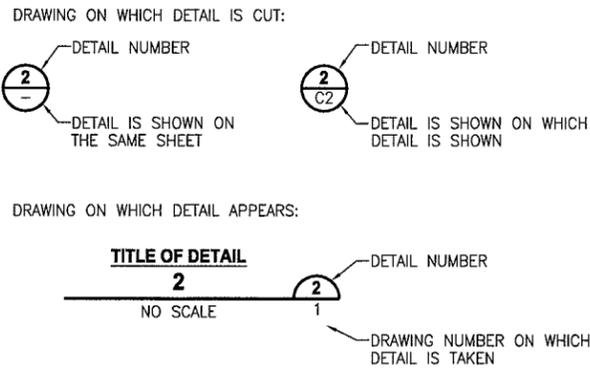
LEGEND:

-  EXISTING FENCE
-  CHAIN LINK FENCE AND GATE
-  PROPERTY BOUNDARY
-  REFUSE LIMIT
-  GEOTEXTILE
-  GEOMEMBRANE
-  EXISTING CONTOUR
-  SLOPE DESIGNATION AND DIRECTION
-  SLOPE DESIGNATION (IN ELEVATION)
-  KEY NOTE NUMBER REFERENCE THAT CORRELATES NOTE CALLOUT TO NOTE THAT APPLIES
-  COORDINATE SCHEDULE POINT NUMBER
-  GRID STATION
-  EXISTING SUBGRADE
-  DRUMS
-  PREPARED SUBGRADE
-  CRUSHED SURFACE TOP COURSE (CSTC)
-  POTENTIALLY HAZARDOUS OVERBURDEN

ABBREVIATIONS:

- | | |
|-----------|----------------------------|
| APPROX | APPROXIMATE |
| CLR | CLEAR, CLEARANCE |
| CSTC | CRUSHED SURFACE TOP COURSE |
| EL | ELEVATION |
| GB | GRADE BREAK |
| LP | LOW POINT |
| MAX./MIN. | MAXIMUM/MINIMUM |
| N.I.C. | NOT IN CONTRACT |
| O.C. | ON CENTER |
| SQ | SQUARE |
| TYP | TYPICAL |
| & | AND |
| CL | CENTERLINE |
| Ø/DIA | DIAMETER |
| = | EQUALS |
| ' | FEET |
| " | INCHES |

DETAIL/SECTION REFERENCING:



DATE: 01/17/08 08:24am IMAGES: XREF'S: XBL1860011P03T06-TB | XBL3746001P01T15-BA_2007 | XBL1860011P03T06-DE | Brian Pippin seal |

REVISIONS	DATE	BY	DESIGNED
			B. PIPPIN
			DRAWN S. SIRE'S
			CADD CHECKED
			CHECKED
			APPROVED

ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY

FILE NAME: BL1860011P03T06-C02

JOB No. 555-1860-011-03-06

DATE: JANUARY 2008



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BELLEVUE, WASHINGTON 98004
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PROJECT NAME:
**EPHRATA LANDFILL DRUM REMOVAL
GRANT COUNTY PUBLIC WORKS**

EPHRATA, WASHINGTON

**ABBREVIATIONS, LEGEND, SITE PLAN
AND GENERAL NOTES**

DRAWING NO.
2 OF 5

2

