



**PURCHASING DEPARTMENT
DIVISION OF BUDGET & FINANCE**

100 West Washington Street, Room 3200 | Hagerstown, MD 21740-4748 | P: 240.313.2330 | F: 240.313.2331
www.washco-md.net

**PUR-1268
ADDENDUM NO. 1
INVITATION TO BID**

ANTIETAM WWTP UPGRADES

DATE: Friday, February 2, 2018

BIDS DUE: Wednesday, February 14, 2018
(Revised Date - Addendum No. 1) 2:00 P.M.

To Bidders:

This Addendum is hereby made a part of the Contract Documents on which all bids will be based and is issued to correct and clarify the original documents.

Please acknowledge receipt of this Addendum at the appropriate space on the Proposal Form. This Addendum consists of five (5) pages and three (3) attachments.

NOTE: All Bidders must enter the Washington County Administration Complex through either the front door at the 100 West Washington Street entrance or through the rear entrance (w/blue canopy roof) which is handicap accessible, and must use the elevator to access the Purchasing Department to submit their proposal and/or to attend the Pre-Proposal Conference. Alternate routes are controlled by a door access system. Washington County Government has announced new security protocols being implemented at the Washington County Administration Complex at 100 West Washington Street, Hagerstown. The new measures took effect Tuesday, February 14, 2017. The general public will be subject to wand search and will be required to remove any unauthorized items from the building prior to entry. Prohibited items include, but are not limited to: Weapons of any type; Firearms, ammunition and explosive devices; Cutting instruments of any type - including knives, scissors, box cutters, work tools, knitting needles, or anything with a cutting edge, etc.; Pepper spray, mace or any other chemical defense sprays; and Illegal substances.

The Pre-Bid Conference was held on Friday, January 12, 2018. The following information was provided:

- Submit all inquiries to the Purchasing Department no later than 4:00 P.M., Wednesday, January 24, 2018. All inquiries shall be sent by fax or email. Please refer to the Specification Book, Information to Bidders, Page 2, Item 13.
- Address of the site is 4435 Harpers Ferry Road, Hagerstown, MD 21782.

(NOTE: The wording of all "Inquiries" submitted are displayed exactly as received.)

- Please refer to Specifications Book, General Conditions; **CHANGE**, the footers to read: Antietam WWTP Upgrades, PUR-1268, January, 2018.
- Revision to plans: Sheet E-5, Existing Oxidation Ditch Floor Plan, notes call out for the east and west drive motor to be 3-phase, 208-volts. Instead, the east and west drive motors shall be 3-phase 460-volts as referenced in Specifications Book, Section 15L.2, paragraph C-3, Page, 15L-2.
- In the Specifications Book, Section 15E, part 15E.6A; **CHANGED**, to read as follows “Piping: Provide air mains, manifold piping, supports, and anchor bolts as on the Drawings, and of **stainless steel pipe** construction”
- Contract duration is one hundred eighty (180) calendar days.
- Liquidated damages are \$500.00 per day.
- Anticipated NTP will be issued in April of 2018.
- Engineers construction estimate for the project is \$350,000.00 - \$400,000.00.
- To arrange a site visit, please contact Mark Bradshaw @ 240-313-2615 or Nia Williams @ 240-313-2607.

ITEM NO. 1: Inquiry: Can you tell me if the referenced project out to bid is wage related?

Response: The project is not wage related.

ITEM NO. 2: Inquiry: In Spec. Section 15L Oxy Ditch Shafts A.1 calls for the shafts to be 6" but the existing shafts are 5", will this create a problem with switching out the aerator discs ?

Response: To clarify the specs, Section 15L.3, Page 15L-2, the current aerator discs are to be removed and new aerator disc shall be furnished and installed on the new 6" shafts.

ITEM NO. 3: Inquiry: In Spec. Section 15L Oxy Ditch Shafts The current shafts are turned down at all roller bearing pillow block locations is it your intent to have the shafts 6" Dia. all the way or turned down at the bearings like the present configuration ?

Response: The shafts shall have a uniform diameter of six (6") all the way across the unit, with new six (6") inch shaft bearings and new aerator discs.

ITEM NO. 4: Inquiry: In Spec. Section 15L Oxy Ditch Shafts
What make are the existing rotor assemblies.

Response: The make of the existing rotor assemblies are Envirex. Please see attached Equipment Data Sheet for further information.

ITEM NO. 5: Inquiry: Underground Fuel Storage Tank
Plans & Specs. call for the removal of the existing UG fuel storage tank, what is the size of this tank ?

Response: The current underground storage tank is 1,000 gallons.

ITEM NO. 6: Inquiry: Underground Fuel Storage Tank
Will the existing fuel tank contain any fuel that we will have to dispose of ?

Response: Yes, the contractor shall be responsible for removing the fuel from the existing tank and for putting the fuel into the new above ground tank.

ITEM NO. 7: Inquiry: Is the existing UV channel being completely removed? Or are we just removing the equipment and inner concrete channel and then backfilling it with stone?

Response: Yes. The existing UV channel shall be completely removed and excavated. The vacant area shall be filled with soil and seeded.

ITEM NO. 8: Inquiry: Is the quantity for bid item # 14 correct?
There are more than just a single tree, correct?

Response: No, the correct quantity for bid Item No. 14 is seven (7). Please see the revised Bid Form – Schedule of Prices attached.

ITEM NO. 9: Inquiry: We are requesting the addition of several manufacturers to the Antietam specification per the attached.

Response: Specification Section 15D - Rotary Positive Displacement Blowers: Gasho M-D Pneumatics Rotary Positive Displacement Blowers provided by Tuthill are NOT considered an approved equal.

Specification Section 15E - Coarse Bubble Diffusers: SSI Aerators are considered an approved equal. If this manufacturer is used then only four (4) diffusers will have to be installed instead of six (6), due to its larger size.

Specification 15L - Oxidation Ditch Aerator Shaft and Bearing Replacement: Envirodyne Systems are considered an approved equal. NOTE: ONE (1) VENDOR SHALL SUPPLY THE ENTIRE AERATION SYSTEM; INCLUDING THE SHAFTS, BEARINGS, DRIVES, AND AERATION DISC.

ITEM NO. 10: *Inquiry:* In order to install the new proposed grit building bypass piping system the flow to the plant will have to be stopped for several hours, unless there is another option a pump and haul from the pump station next to the ballfield/water tower will have to be utilized. If this method is used can the septic haulers dump at the treatment plant ?

Response: The County shall be responsible for stopping the flow to allow the Contractor to make the tie in for the bypass line.

ITEM NO. 11: *Inquiry:* The grit building will be in the bypass mode during building demo, grit chamber/channel rehab & the installation of the new proposed manual bar screen. Does the sampler have to be kept in operation , can it be moved to another location.

Response: The sampler shall be relocated during construction, and a tap shall be installed on either the existing or the new bypass line in order to remain operational.

ITEM NO. 12: *Inquiry:* Plans call for 7 new trees to be planted outside the facility fence, does the County have a R.O.W. in this area so the contractor can use equipment to install the new trees ?

Response: Yes, the County owns the grass in the designated area for the new trees as called for on the plans.

ITEM NO. 13: *Inquiry:* Plans show a new enclosed blower to be installed for use at the existing pre-aeration tank. The proposed location is on the 10' x 10' SOG adjacent to the tank, this pad is currently occupied by a 8' x 8' wooden building. Is the building to be removed and disposed of ? Can the new blower be installed on top of the pre-aeration tank if the wooden building is needed ?

Response: The wooden building shall be relocated on site by the Contractor. The building is **NOT** to be disposed of. The new enclosed blower shall be installed as shown on Sheet 8 of 13.

ITEM NO. 14: *Inquiry:* The exposed existing pre-aeration tank flanged plug valve gets replaced, there currently is damaged heat tracing, insulation and metal jacketing in this area. Does the heat tracing & insulation system need to be replaced ?

Response: No, the existing heat tracing and insulation system does not get replaced.

ITEM NO. 15: *Inquiry:* Due to the short job duration can the NTP be delayed until all major components have been submitted and approved ?

Response: The County will work with the successful Contractor on issuing the NTP date.

ITEM NO. 16: *Inquiry:* Will The SpectraShield Liner System be allowed as an equal for the manhole lining on this project?

Response: There is no manhole lining in this project. Install manhole as described in the Specification Book, Section 2H - Manholes.

ITEM NO. 17: A *Revised Measurement and Payment* Section is included as an attachment to this Addendum.

ITEM NO. 18: A subsequent Addendum shall be issued with responses to questions and additional information.

ITEM NO. 19: Bidders shall submit the Bid Bond and the Subcontractors Listing contained in the original bid document and the attached *Revised Form of Proposal* and *Revised Schedule of Prices (dated 2/2/2018)* as their bid submittal no later than **2:00 P.M. (EST), Wednesday, February 14, 2018.**

BY AUTHORITY OF:



Rick Curry, CPPO
Director of Purchasing

EQUIPMENT DATA SHEET

Item No. _____

NAME Rotary Aerator Assembly NO. OF UNITS 2

LOCATION Orbal Aeration Tank (oxidation ditch)

MANUFACTURER Envirex

MODEL NO. _____

SERIAL NO. _____

CAPACITY Each disc delivers 1.66 lbs O₂ at 43 rpm and a submergence of 21"
Each disc delivers 2.47 lbs O₂ at 55 rpm and a submergence of 21"

ELECTRICAL CHARACTERISTICS 15 hp, 1750 rpm, 3 ph, 60 Hz, 230/460 V TEFC motor
w/Class F insulation, 1.15 service factor

ACCESSORY OR RELATED EQUIPMENT Fiberglass weather hoods, splash shields; spare parts:
(4) aeration discs; (4) #5V950 V belts (2 matched sets);
(2) drive sheave 5V 11.8

COMMENTS

disc rotation counter-clockwise

8 discs in inner channel)
8 discs in middle channel) per assembly
16 discs in outer channel)

disc diameter: 4' - 6"

O & M Manual Section Reference 3.4

Contract Document Section No. _____

VENDOR/SERVICE INFORMATION Envirex Inc. (301) 337-9119
1240 East Joppa Road Bruce Cheney
Towson, MD 21204

PUR-1268
(Revised) FORM OF PROPOSAL
(Submit Form of Proposal & Schedule of Prices)

**Board of County Commissioners
of Washington County, Maryland
(hereinafter called "Owner")
c/o Washington County Purchasing Department
100 West Washington Street, Room 3200
Hagerstown, MD 21740**

BIDS DUE:
Date: Wednesday, February 14, 2018
Time: No later than 2:00 P.M. (EST)

Project Name: **Antietam Wastewater Treatment Plant Upgrades**
Washington County Bid No.: **PUR-1268**
Washington County Project No.: **040-1318**

Proposal of _____
(hereinafter called "BIDDER"), *a corporation, organized and existing under the laws of the State of _____,
_____, *a partnership, or an individual doing business as _____.

Telephone No. (____) _____ Fax: (____) _____

Contact: Name & Title Printed: _____
Address: _____
E-Mail Address: _____

*Insert corporation, partnership or individual as applicable.

Gentlemen/Ladies:

The Bidder, in compliance with your invitation for bids for the abovementioned project has examined the plans and specifications with related documents and the size of the proposed work, and being familiar with all of the conditions surrounding the construction of the proposed project including the availability of materials and labor, hereby proposes to furnish all labor, materials, equipment, plant and services, and to construct the project in accordance with the Contract Documents and Addenda within the time set forth therein, and at the prices stated below. These prices are to cover all expenses incurred in performing the work required under the Contract Documents, of which this proposal is a part.

We hereby submit our proposal for the **Antietam Wastewater Treatment Plant Upgrades**.

Having carefully examined the Contract Documents for the subject construction project –

Specifications dated _____ December 2014
Drawings dated _____ December 2014

Addenda No. ____ Date _____, No. ____ Date _____, No. ____ Date _____
Addenda No. ____ Date _____, No. ____ Date _____, No. ____ Date _____

and having received clarification on all items of conflict or upon which any doubt arose, the undersigned proposes to properly complete the work, in strict accordance with the Contract Documents, for the stipulated sum of, based on the unit prices set forth in the attached Schedule of Prices:

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

1. TOTAL BID

To furnish labor, materials, equipment, plant and services necessary to properly complete the work required under the GRAND TOTAL BID (Total Base Bid plus Total Contingent Bid Items C1 through C3), based on the unit prices set forth in the Schedule of Prices in strict accordance with the aforesaid documents, and to be substantially completed within One Hundred Eighty (180) consecutive calendar days of Notice to Proceed.

_____ Dollars (\$) _____
(Written) (Figures)

(Amount shall be shown in both words and figures. In case of discrepancy, the amount shown in words will govern.)

It is understood that the bid price will be firm for a time period of one hundred twenty (120) calendar days from the bid opening date and that if the undersigned is notified of acceptance of this proposal within this time period, the firm shall complete the total work within One Hundred Eighty (180) consecutive calendar days from the date of "Notice to Proceed" for construction and to complete the work in accordance with the provisions of the Contract Documents. If this work is not completed within the time period specified, the Contractor will be liable for Liquidated Damages of Five Hundred (\$500.00) Dollars per calendar day.

2. SUBCONTRACTORS:

- A. Contractors shall submit their list of subcontractors to the Washington County Purchasing Department as part of their bid submittal.
- B. No change or deviation from this list shall be allowed except as determined by the Owner or the Owner's Representative.

3. AWARD: Award of the bid can be made by the Owner to the responsive, responsible low bidder based on the Grand Total Bid consisting of the Total Base Bid plus Contingent Bid Items No. C1 through C3.

4. CONTRACTOR'S STATE OF MARYLAND REGISTRATION NUMBER.

Construction Firm License No.	Date Issued	Place of Issuance
-------------------------------	-------------	-------------------

_____ Federal Employer Identification Number (FEIN) or Social Security No. if no FEIN

Bid Security Bonds shall be submitted with each proposal in the amount of five percent (5%) of the Grand Total Bid.

Bid Bonds, except those of the three (3) low bidders will be returned after the bid opening. Other bid bonds will be returned after the related contract has been executed. If no bid has been accepted within one hundred twenty (120) calendar days after the bid opening, then any bond may be returned upon demand of the bidder.

Upon receipt of written notice of the acceptance of this bid, bidder will execute the formal contract within ten (10) calendar days. The Bid Security attached, in the sum of:

_____ Dollars (\$ _____)
(Written) (Figures)

is to become the property of the Owner in the event the Contract and Bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Failure to properly and completely fill in all blanks may be cause for rejection of this proposal. All unit prices called for in the Contract Documents must be submitted herewith.

AFFIRMATION REGARDING COLLUSION

I AFFIRM THAT:

Neither I nor, to the best of my knowledge, information, and belief, the below stated business has:

- (a) Agreed, conspired, connived, or colluded to produce a deceptive show of competition in the compilation of the accompanying bid or offer that is being submitted;
- (b) In any manner, directly or indirectly, entered into any agreement of any kind to fix the bid price or price proposal of the Bidder or Offeror or of any competitor, or otherwise taken any action in restraint of free competitive bidding in connection with the contract for which the accompanying bid or offer is submitted.

AFFIRMATION REGARDING BRIBERY CONVICTIONS

I FURTHER AFFIRM:

Neither I nor, to the best of my knowledge, information, and belief, the below business (as is defined in Section 16-101 (b) of the State Finance and Procurement Article of the Annotated Code of Maryland), or any of its officers, directors, partners, or any of its employees directly involved in obtaining or performing contracts with public bodies (as is defined in Section 16-101(f) of the State Finance and Procurement Article of the Annotated Code of Maryland), has been convicted of, or has had probation before judgment imposed pursuant to Criminal Procedure Article, Section 6-220 of the Annotated Code of Maryland, or has pleaded nolo contendere to a charge of, bribery, attempted bribery, or conspiracy to bribe in violation of Maryland

law, or of the law of any other State or federal law, except as follows (indicate the reasons why the affirmation cannot be given and list any conviction, plea, or imposition of probation before judgment with the date, court, official or administrative body, the sentence or disposition, the name(s) of person(s) involved, and their current positions and responsibilities with the business):

I DO SOLEMNLY DECLARE AND AFFIRM UNDER THE PENALTIES OF PERJURY THAT THE CONTENTS OF THE ABOVE-REFERENCED AFFIDAVITS ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF AND THAT I AM THE DULY AUTHORIZED REPRESENTATIVE OF THE BELOW BUSINESS AND THAT I POSSESS THE LEGAL AUTHORITY TO MAKE THE AFFIDAVITS ON BEHALF OF MYSELF AND THE BUSINESS FOR WHICH I AM ACTING.

BY: _____
(Signature of Authorized Representative and Affiant)

(Name & Title Printed)

(Business Address)

_____/_____
(Phone Number) (Fax Number)

(Federal Employer Identification Number)

(SEAL) If bid is by corporation.

For Informational Purposes Only: **Has your company/firm been certified by the State of Maryland as a Minority Business Enterprise? (Please check below.)**

_____ Yes _____ No

PUR-1268
(REVISED) SCHEDULE OF PRICES
TOTAL BASE BID

ITEM NO.	ITEM DESCRIPTION / WRITTEN UNIT PRICE	UNIT	APPR. QTY	UNIT PRICE	TOTAL PRICE
1	Mobilization @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
2	Clearing and Grubbing @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
3	Construction Survey and Stakeout @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
4	Raze Existing Headwork Building @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)

 Sign for Identification

PUR-1268
(REVISED) SCHEDULE OF PRICES
TOTAL BASE BID

ITEM NO.	ITEM DESCRIPTION / WRITTEN UNIT PRICE	UNIT	APPR. QTY	UNIT PRICE	TOTAL PRICE
5	Construct New Headwork Building @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
6	Concrete Repair @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
7	Furnish & Install Aeration Equipment @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
8	Construct New UV Channel @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)

 Sign for Identification

PUR-1268
(REVISED) SCHEDULE OF PRICES
TOTAL BASE BID

ITEM NO.	ITEM DESCRIPTION / WRITTEN UNIT PRICE	UNIT	APPR. QTY	UNIT PRICE	TOTAL PRICE
9	Furnish & Install UV System @ <hr/> _____ Dollars (Written) <hr/> _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
10	Digester Blower Cover @ <hr/> _____ Dollars (Written) <hr/> _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
11	By-pass Piping @ <hr/> _____ Dollars (Written) <hr/> _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
12	Remove Existing UV System @ <hr/> _____ Dollars (Written) <hr/> _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)

 Sign for Identification

PUR-1268
(REVISED) SCHEDULE OF PRICES
TOTAL BASE BID

ITEM NO.	ITEM DESCRIPTION / WRITTEN UNIT PRICE	UNIT	APPR. QTY	UNIT PRICE	TOTAL PRICE
13	Electrical Work @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
14	Screening Trees @ _____ Dollars (Written) _____ Cents per (Written)	EA	7	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
15	Remove Existing Plant Utility Water System @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
16	Oxidation Ditch Shaft Replacement @ _____ Dollars (Written) _____ Cents per (Written)	EA	2	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)

 Sign for Identification

PUR-1268
(REVISED) SCHEDULE OF PRICES
TOTAL BASE BID

ITEM NO.	ITEM DESCRIPTION / WRITTEN UNIT PRICE	UNIT	APPR. QTY	UNIT PRICE	TOTAL PRICE
17	Oxidation Ditch Aerator Shaft Drive Units @ _____ Dollars (Written) _____ Cents per (Written)	EA	2	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
18	Removal of Existing Underground fuel Storage Tank @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
19	Furnish & Install Above Ground Fuel Storage Tank @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
20	Non-paved Area Restoration @ _____ Dollars (Written) _____ Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)

PUR-1268
(REVISED) SCHEDULE OF PRICES
TOTAL BASE BID

ITEM NO.	ITEM DESCRIPTION / WRITTEN UNIT PRICE	UNIT	APPR. QTY	UNIT PRICE	TOTAL PRICE
21	Furnish & Install Samplers @ <hr style="width: 80%; margin-left: auto; margin-right: 0;"/> Dollars (Written) <hr style="width: 80%; margin-left: auto; margin-right: 0;"/> Cents per (Written)	EA	2	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
22	Pavement Repair @ <hr style="width: 80%; margin-left: auto; margin-right: 0;"/> Dollars (Written) <hr style="width: 80%; margin-left: auto; margin-right: 0;"/> Cents per (Written)	LS	1	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
Total Base Bid (Item Nos. 1 through 22)					
<hr style="width: 80%; margin-left: auto; margin-right: 0;"/> Dollars (Written)					\$ _____ (Written in Numerals)
<hr style="width: 80%; margin-left: auto; margin-right: 0;"/> Cents (Written)					

 Sign for Identification

PUR-1268
(REVISED) SCHEDULE OF PRICES
CONTINGENT ITEMS

ITEM NO.	ITEM DESCRIPTION / WRITTEN UNIT PRICE	UNIT	APPR. QTY	UNIT PRICE	TOTAL PRICE
C-1	Contingent Select Backfill @ _____ Dollars (Written) _____ Cents per (Written)	CY	25	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
C-2	Contingent Unclassified Excavation @ _____ Dollars (Written) _____ Cents per (Written)	CY	25	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
C-3	Contingent Removal of Contaminated Soil @ _____ Dollars (Written) _____ Cents per (Written)	CY	25	\$ _____ (Written in Numerals)	\$ _____ (Written in Numerals)
Total Contingent Bid (C-1 through C-3)					
_____ Dollars					\$ _____
(Written)					(Written in Numerals)
_____ Cents					
(Written)					

 Sign for Identification

PUR-1268
(REVISED) SCHEDULE OF PRICES
TOTAL BID

Grand Total Bid for Base Bid Item Nos. 1 through 22 Plus Contingent Items C-1 through C-3.	
_____ Dollars	\$ _____ (Written in Numerals)
(Written)	
_____ Cents	
(Written)	

**SECTION
MEASUREMENT AND PAYMENT**

PART 1 – GENERAL

1.1 SUMMARY

- A. Payment for Work performed under this Contract will be made as set forth herein under the individual Bid Items contained within the Bid Form.
- B. If a Contract is awarded on a combination of Items, other than the total, the Work performed shall be complete and operable with each Item standing alone and in conformance with all provisions of the Contract Documents.
- C. There shall be no Work or cost added to an Item which has been included under any other Item.
- D. The Work included under each Item, shall consist of providing and installing the materials and/or equipment, complete, as enumerated below. Payment for each Item will be made at the Lump Sum or Fixed Unit Price bid in accordance with provisions of Part 3 of this Section.
- E. The CONTRACTOR shall include in the price bid for each applicable Bid Item listed in the schedule of prices the cost of the following: coordination, labor, materials, tools and equipment, sheeting and shoring in trenches and pits, material and equipment testing, repairs to the roads due to construction damage, dewatering, control of stormwater, material processing, loading, transporting, placing, filling, backfilling, compacting, grading, pre and post work surveying, protection of adjacent work, displacement, replacement and/or repair of damage to any existing utility and/or structure by CONTRACTOR activity, “As-Built” drawings, inspections, meetings, submittals, scheduling, testing, and all other cost necessary to provide the completed Project.
- F. Contingent Items - Contingent items will only be used when the CONTRACTOR is so directed by the ENGINEER or OWNER in writing. The unit price bid for contingent items shall not vary if quantities increase or decrease, except as described in the paragraph entitled “Estimated Quantities” of the GENERAL CONDITIONS section of these Specifications.
- G. Work Items included with each schedule of prices are described in the following paragraphs.

PART 2 – PRODUCTS

2.1 BASE BID ITEMS DESCRIPTION, MEASUREMENT AND PAYMENT

ITEM 1- MOBILIZATION AND DEMOBILIZATION

1. Mobilization shall consist of the furnishing of all Work, materials and operations required for assembling and setting up the Project, including, but not limited to, initial movement of personnel to the Project site; establishment of shops and plants; construction of sanitary and any other facilities required by the Specifications and State or local regulations; moving on and off site all construction equipment, hauling units, concrete mixers, hoisting equipment, compressors and tools required to complete the Work; establishment of storage yard area; all other Work and operations which must be performed prior to beginning Work on compensational Items of Work; the cost of required insurance and bonds and any other initial expense required. Demobilization shall consist of the removal of all CONTRACTOR'S property from the project site and cleanup of all affected areas.
2. Price for this Item shall be included as a lump sum in the Bid Form. Contract lump sum price for Mobilization and Demobilization will be paid in four (4) equal amounts of the Lump Sum Price for Mobilization.

ITEM 2 - CLEARING AND GRUBBING

1. Work under this Item includes, but is not limited to, all work related to removal of topsoil, organic matter and root mat; removal of objectionable material, rubbish, and debris; clearing and grubbing of woody vegetation, including bushes and trees solely in the areas noted on the Contract Drawings; temporary stockpiling as necessary; removal of any tree species or vegetation within the LOD as directed by the ENGINEER; removal of all related stumps and tree debris; excavation and removal of remaining root ball and filling of voids with clean earth fill; removal of other obstructions interfering with the work; disposal of cleared and grubbed materials in accordance with Specifications and replacement of any necessary suitable material wasted by CONTRACTOR during the clearing and grubbing process. Any required excavation or common borrow material will be paid for under Items C-1 & C-2 with prior approval of the ENGINEER. All Work shall be in accordance with the Contract Documents and local codes and regulations.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 3 - CONSTRUCTION STAKEOUT AND SURVEY

1. Work under this Item includes establishing vertical and horizontal control points, construction stakeout, performing and submitting all required surveys during and upon completion of construction activities, and recording and preparing as-built drawings.

2. Price for this Item shall be included as a lump sum in the Bid Form

ITEM 4 – RAZE EXISTING HEADWORKS BUILDING

1. Work under this item includes, but not limited to, all the Work required to remove and dispose of the existing headworks building and the removal of the existing grit unit.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 5 – CONSTRUCT NEW HEADWORKS BUILDING

1. This work shall consist of constructing new headworks building and grit suction piping in the locations indicated on the Contract Drawings. This item includes, but is not limited to, all required excavation, filling, grading, piping, concrete, labor, materials, and equipment.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 6 – CONCRETE REPAIR

1. Work shall consist of repairing the existing concrete channel in the headworks building. This item includes removal of damaged concrete, surface preparation, mortar, curing compound, labor, and equipment.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 7 – FURNISH & INSTALL AERATION EQUIPMENT

1. Work under this Item includes, but is not limited to furnishing all labor, replace existing 8” valves, by-pass pumping as required, material, equipment and incidental required and install complete, ready for operation and field-test (1) one new rotary positive displacement blower and appurtenances as shown on the drawings and as specified.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 8 – CONSTRUCT NEW UV CHANNEL

1. Work under this Item includes, but is not limited furnishing and installing a new manhole and associated piping, excavation, concrete, labor, grading, backfilling, restoration, and coring existing manhole as shown on the Drawings and specification.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 9 – FURNISH AND INSTALL UV SYSTEM

1. Work under this Item includes, but is not limited furnishing and install all materials, equipment, tools, labor, effluent flow meter, parshall flume, components, assembly, equipment, electrical work and for all incidentals needed for installation as shown on the. All Work shall be in accordance with the Contract Documents, local codes and regulations, and applicable Manufacturer's recommendations.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 10 – DIGESTER BLOWER COVER

1. Work under this Item includes, but not limited to all, removal of existing enclosures, furnishing and install fiberglass enclosures, complete-in-place, in accordance with the drawings and specifications.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 11 – FURNISH & INSTALL PERMANENT BY-PASS PIPING

1. Work under this item includes all labor, materials, piping, valves, fittings connections and equipment necessary to provide and maintain by-pass piping for the sewer system throughout the duration of work, in accordance with all state and local requirements and guidelines and as specified in the Contract Drawings.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 12 – REMOVE EXISTING UV SYSTEM

1. Work under this item includes all work, excavation, backfill, labor, tools, disposal of concrete and equipment, restoration, and materials required to remove the existing UV channel and system
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 13 – ELECTRICAL WORK

1. The CONTRACTOR shall supply all design materials, tools, labor, excavation, components, assembly, equipment, control panels, transformers, connections to existing service and proposed facilities and for all incidentals needed to construct and install the complete electrical requirements for the

Project as specified herein, as shown on the Contract Drawings or as directed by the ENGINEER. Installation shall be in accordance with the Washington County Code.

2. The price for Electrical Work shall be paid for at the Contract Lump Sum.

ITEM 14 – SCREENING TREES

1. The CONTRACTOR shall supply all design materials, equipment, tools, labor, excavation, trees, and all incidentals needed to plant new screening trees as specified herein, as shown on the Contract Drawings or as directed by the ENGINEER
2. Price for this item shall be included as a fixed unit price per each in the Bid Form.

ITEM 15 – REMOVE EXISTING PLANT UTILITY WATER SYTEM

1. Work under this item includes, but not limited to, all the work required to remove and dispose of the existing utility water system as shown on the Contract Drawings. County has first right of refusal on all equipment.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 16 – OXIDATION DITCH SHAFT REPLACEMENT

1. Work on this Item includes all material, tools, equipment, labor, and incidentals required to remove and install new shafts, aeration disk, and bearings to all the oxidation shaft aerators as shown on the Contract Drawings.
2. Price for this item shall be included as a fixed unit price per each in the Bid Form.

ITEM 17 – OXIDATION DITCH AERATOR SHAFT DRIVE UNITS

1. Work on this Item includes, but is not limited to furnishing and installing new drive units, all material and labor required to remove and replace the existing oxidation ditch aerator shaft drive units to the oxidation shaft aerators as shown on the Contract Drawings.
2. Price for this item shall be included as a fixed unit price per each in the Bid Form.

ITEM 18 – REMOVAL OF EXISTING UNDERGROUND FUEL STORAGE TANK

1. Work under this Item includes, but is not limited to, furnishing all labor, disposal, excavation, backfill, equipment and material to remove the existing 1,000 gallon underground fuel tank, piping system and appurtenances. All Work shall be in accordance with the Contract Documents.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 19 – FURNISH & INSTALL ABOVE GROUND FUEL STORAGE TANK

1. Work under this Item includes, but is not limited to, furnishing all labor, concrete, excavation, backfill, equipment and material to install the new 1,000 gallon above ground fuel tank, piping system and appurtenances. All work shall be in accordance with the Contract Documents.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 20 – NONPAVED AREA RESTORATION

1. Work under this Item includes, but is not limited to, furnishing and placing topsoil to a depth of 6 inches as shown on the contract drawings, work shall include all topsoil, materials, equipment and incidentals required to provide, completed final grade. All Work shall be in accordance with the Contract Documents.
2. Price for this Item shall be included as a lump sum in the Bid Form.

ITEM 21 – FURNISH & INSTALL SAMPLERS

1. Work under this Item includes, but is not limited to, furnishing and install all materials, equipment, tools, labor, assembly, equipment, electrical work and for all incidentals needed for installation as shown on the. All Work shall be in accordance with the Contract Documents, local codes and regulations, and applicable Manufacturer's recommendations.
2. Price for this item shall be included as a fixed unit price per each in the Bid Form.

ITEM 22 – PAVEMENT REPAIR

1. Measurement of this item will not be made, as it is a lump sum item.

2. This item includes all labor and material to repair paved areas as disturbed by construction. The lump sum price shall include furnishing all labor, materials, and equipment for the placement of asphalt pavement. The installation shall include the graded aggregate base, surface course and base course.
3. There will be no adjustments made the Contract unit price per ton, due to fluctuation in purchase price of asphalt cement or for any other reason for this item.

2.2 CONTINGENT BID ITEMS DESCRIPTION, MEASUREMENT AND PAYMENT

ITEM C-1 - SELECT MATERIAL FOR BACKFILL

1. Measurement of additional excavation and backfill with No. 57 stone will be on a cubic yard basis and be the number of cubic yards of additional excavation within the limits directed by the ENGINEER.
2. Unit price bid per cubic yard for additional excavation and backfill with No. 57 shall include furnishing all labor, materials and equipment, and performing all work to the limits directed by the ENGINEER and in conformance with these contract documents.

ITEM C-2 – CONTINGENT UNSUITABLE MATERIAL EXCAVATION

1. This work shall consist of the removal of Unsuitable Material encountered at or below the normal limit for Unclassified Excavation as described for that item or as shown on the Plans. Unsuitable material to be removed shall be based upon the judgment of the ENGINEER and shall be removed to the extent directed by the ENGINEER. The proposed quantities include a contingent item for this work, which shall be used if so directed by the ENGINEER.
2. Unsuitable Material Excavation will be measured as described above and paid for at the Contract Unit price bid per cubic yard. The payment shall be full compensation for all labor, materials, equipment, excavation, backfill (with borrow material as approved by the ENGINEER), compaction, disposal and incidentals necessary to complete this item of work.

ITEM C-3 – CONTINGENT REMOVAL OF CONTAMINATED SOIL

1. This work shall consist of the removal and disposal of Contaminated Soil that may be encountered during the removal of the underground fuel storage tank. Contaminated Soil to be removed shall be based upon the judgment of the

ENGINEER and shall be removed to the extent directed by the ENGINEER. The proposed quantities include a contingent item for this work, which shall be used if so directed by the ENGINEER.

2. Removal of Contaminated Soil will be measured as described above and paid for at the Contract Unit price bid per cubic yard. The payment shall be full compensation for all labor, materials, equipment, excavation, backfill (with borrow material as approved by the ENGINEER), compaction, disposal and incidentals necessary to complete this item of work.

2.3 INCIDENTAL ITEMS NOT MEASURED FOR PAYMENT

Items of work not specifically included for measurement and payment as described herein will not be measured for payment but the cost thereof will be considered as incidental to the contract with the associated costs borne solely by the CONTRACTOR. This shall include, but not be limited to the following items of work:

- Surveying for measurement and payment quantities;
- Compliance with submittal requirements and as-built drawing preparation;
- Preparation and provision of daily activity reports, material logs, schedules, field notes and other documentation of construction activities as requested by the ENGINEER;
- Inspections, coordination and cooperation with OWNER, ENGINEER, or any other person or entity on the project;
- Maintaining of material storage and CONTRACTOR'S staging areas;
- Testing of materials, including all equipment and personnel required;
- Quality assurance and quality control;
- Removal and disposal of existing items located within the limit of disturbance not otherwise included in the Bid Items – as directed by the ENGINEER, including fencing, reinforced concrete pads, debris, etc;
- Providing environmental protection;
- Health and safety measures;
- Proper control and removal of stormwater and groundwater from within excavations and within and surrounding all other areas within the limit of disturbance;
- Providing source(s) of water for wetting soils, dust control, testing, flushing, cleaning activities and/or any other purposes during construction. The CONTRACTOR is

responsible for obtaining any required water for use during construction. Water is not available onsite for the CONTRACTOR'S use.

- Repair of damage to onsite or offsite property;
- Repair of weather-related damage to material or any other surfaces;
- Proper storage, protection and maintenance of stockpiled materials;
- Access/egress ramps or roadways required for construction purposes not otherwise shown on the Contract Drawings;
- Locating and marking of existing utilities located within the project; and
- All other activities, supplies, materials, equipment, and labor needed to complete the Work as specified in the Contract Documents not specifically mentioned herein.

PART 3 – EXECUTION

3.01 PAYMENT PROCEDURE

A. Breakdown of Lump Sum and Fixed Unit Price Items:

1. Prior to first request for payment, the CONTRACTOR shall submit to the ENGINEER for approval an itemized Schedule of Values which includes a complete detailed breakdown of all lump sum and fixed unit price Items awarded. The detailed breakdown shall include quantities with all material and labor costs for individual Work Items required to complete the lump sum and fixed unit price Item. Quantities estimated by the CONTRACTOR are for the purpose of providing a basis for realistic progress payment consistent with performance of the Work. The CONTRACTOR will revise the job breakdown if the ENGINEER so requests.
2. Payments will be made in accordance with the GENERAL CONDITIONS section. The CONTRACTOR may request periodic payments on a monthly basis in accordance with a time schedule approved by the ENGINEER. Submission for payment shall be made to the ENGINEER. However, all payment requests will be made on the basis of the approved breakdown and accompanied by all supporting documentation required herein.
 - a. The CONTRACTOR may request payment for specific Items of material and equipment, which has been purchased for incorporation into the Project provided these Items have been previously approved for use in accordance with the Contract Documents and provided the ENGINEER agrees to request of the CONTRACTOR.

- b. Payment request for materials or equipment purchased may be honored for materials or equipment, which are stored on site and stored in a manner satisfactory to the ENGINEER. Payment will be made for specific Items of material and equipment provided an invoice and delivery ticket is submitted with the payment request, which indicate clearly the materials and equipment are to be used for the Project. The following periodic payment request must include a receipted invoice certified by the vendor as to payment received for the specific Item, which had been previously paid for. Unless the required certified invoice is received with the following request for periodic payment, money previously paid will be deducted from any money due the CONTRACTOR without any penalty of any kind to the ENGINEER.

END OF SECTION