

Village of Crestline

Crestline, Ohio

SPECIFICATIONS FOR WWTP IMPROVEMENTS – PHASE I

ADDENDUM NO. 4

May 9, 2014

All prospective bidders are hereby notified that this addendum forms a part of the contract documents and modifies the original bidding documents dated APRIL 2014. Acknowledge receipt of this addendum in the space provided in the bid proposal section of the specifications. Failure to do so may subject the bidder to disqualification.

PREPARED BY:

**GGJ, INC.
35585 Curtis Boulevard, Unit C
Eastlake, Ohio 44095
(440) 953-1567 (voice)
(440) 953-0580 (fax)**

****THIS ADDENDUM IS BEING TRANSMITTED VIA FAX
ONLY. NO “HARD COPY” WILL BE SENT.****

**Please acknowledge receipt by signing below and faxing back
this cover sheet only ASAP to (440)953-0580.**

COMPANY _____

NAME _____

DATE _____

GENERAL COMMENTS AND CLARIFICATIONS

1. Electrical

- GRC conduit shall be used in concrete floors and damp or wet locations. Areas that would be included within this description are the basement pump room as well as within and near the sludge press area.
- No utility poles are to be relocated as part of this project or in coordination with this project.
- It is contractor's responsibility to eliminate power to the existing building before demolition.

2. Plumbing

- Backflow preventer assembly (Watts series 919 or approved equal) to be installed within the utility Room where water service enters the building.
- Press copper and solder fittings can be used for waterlines.

3. Mechanical

- Basement utility room is not considered a plenum.

4. Waterline service

Existing waterlines are of an unknown material. Rerouting of waterlines to service the new building can be of High Density Polyethylene (HDPE).

5. Gas service

Existing Gas service is of an unknown material. Rerouting of gas line to service the new building can be of Polyethylene (PE) material suitable for gas service.

6. Aeration Piping

Aeration piping shall be stainless steel with the exception of the horizontal manifold and header system within the tank is PVC

7. Wall Base

All interior block walls shall be bound by a 6" rubber cove base, manufactured by Roppe or approved equal, color to be selected by owner.

8. **Telescopic Valve**

Telescopic valve is to be ductile iron body with PVC decant tube

9. **Ductile Iron Pipe**

- Ceramic epoxy lining is not required for any ductile iron pipe. Standard cement lining will be acceptable.
- Restrained pipe is not required

10. **American Iron and Steel form**

- The contractor will be required to complete the attached American Iron and Steel form as a requirement of the contract. Form is attached.

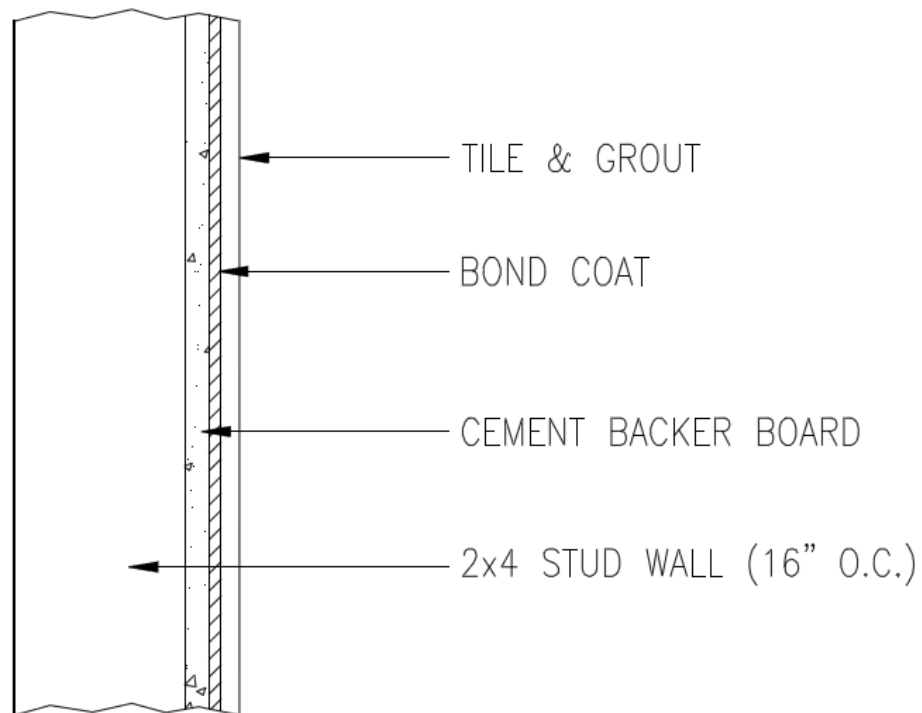
CONTRACT DRAWINGS

1. Sheet 4

- 6" DIP that is to enter the proposed aerobic digester tank #2 will require the existing wall to be cored. Connection shall utilize a modular mechanical sleeve per the detail on same sheet.
- 8" DIP that is to enter the existing distribution box will require the existing wall to be cored. Connection shall utilize a modular mechanical sleeve per the detail on same sheet.

2. Sheet 9

All walls not shown as being block, shall be wood framed with tile finish. (8'-8" floor to ceiling height). Tile manufactured by Daltile, Sierra type or approved equal, color to be selected by owner.



TILE WALL INSTALLATION
NOT TO SCALE

Shower area shall be tiled including the flooring in accordance with ceramic tile institute of America, Field report R8-103-62 (R-88). Tile color to be selected by owner.

Lockers- The lockers shall be the Standard double tier lockers as manufactured by Lyon Metal Products or approved equal. The five double tier integrated frame all weld lockers shall be 15"w x 15"d x36"h per opening.

Washer- shall be Whirlpool 2.9-cu ft Top Load Commercial Washer (White) Model #: CAE2793BQ or approved equal.

Dryer- Whirlpool 7.4-cu ft Electric Commercial Dryer (White) Model #: CEM2793BQ or approved equal.

Partitions

- Type. Toilet partitions shall be floor supported, flush type, unless noted otherwise.
- Doors. Doors, where shown, shall be part of the toilet partition, 30 inches wide unless noted otherwise. Doors shall be made of two sheets of 22 gauge stainless steel insulated for sound with a rigid core insulating material permanently bonded to the surface sheets.
- Screens. Vision screens shall be as and where shown on the plans. Vision screens shall be as specified for toilet partitions.
- Urinal. Urinal partitions shall be 24" x 42", unless noted otherwise, wall hung, flange type.
- Finish. All panels shall be made of two sheets of 20 gauge stainless steel insulated for sound with a rigid core insulating material permanently bonded to the surface sheets. Surface sheet shall be formed locked on all edges.

3. **Typical handrail detail provided**

This is a detail to provide a general layout of handrails and is not an exact layout for any part of the project.

4. **Electrical Drawings E1-E8 (Reissued as Addendum #3 dated 4-30-14)**

Sheets E2-E7 have been changed. All changes have been bubbled.

5. **Mechanical Drawings M1-M5 (Reissued as Addendum #3 dated 4-30-14)**

Sheets M1, M2 & M4 have been changed. All changes have been bubbled.

CONTRACT SPECIFICATIONS

1. **SECTION 00300 (BID PROPOSAL FORM)**

DELETE AND REPLACE; Entire Section 00300 (Attached)

2. **SECTION 11920 (VALVES AND APPURTENANCES)**

ADD THE ATTACHED VALVE SCHEDULE;

3. **SECTION 11310 (PROGRESSIVE CAVITY SLUDGE PUMPS)**

ACCEPTABLE MANUFACTURERS SHALL INCLUDE; Seepix, Moyno, Netzsch, or approved equal

4. **SECTION 11372 (POSITIVE DISPLACEMENT BLOWERS)**

ACCEPTABLE MANUFACTURERS SHALL INCLUDE; Aerzen, Kaeser or approved equal

5. **SECTION 11450 (COARSE BUBBLE AERATION SYSTEM)**

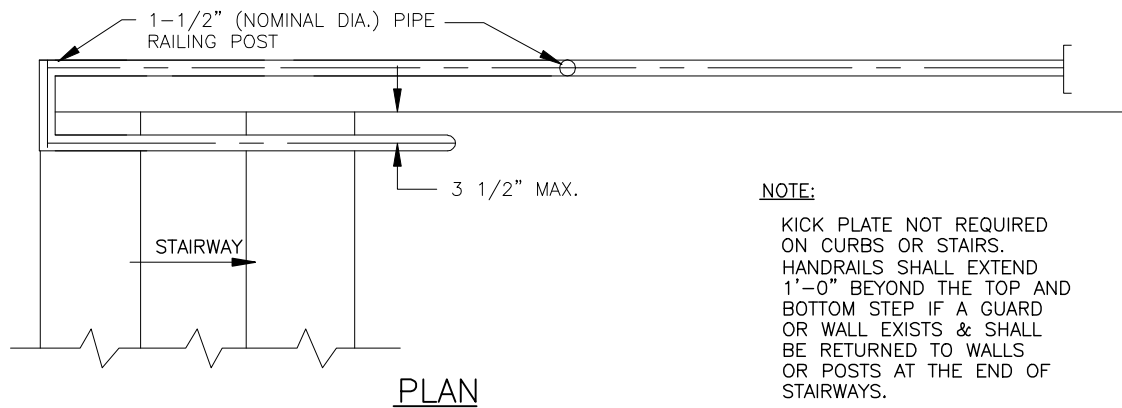
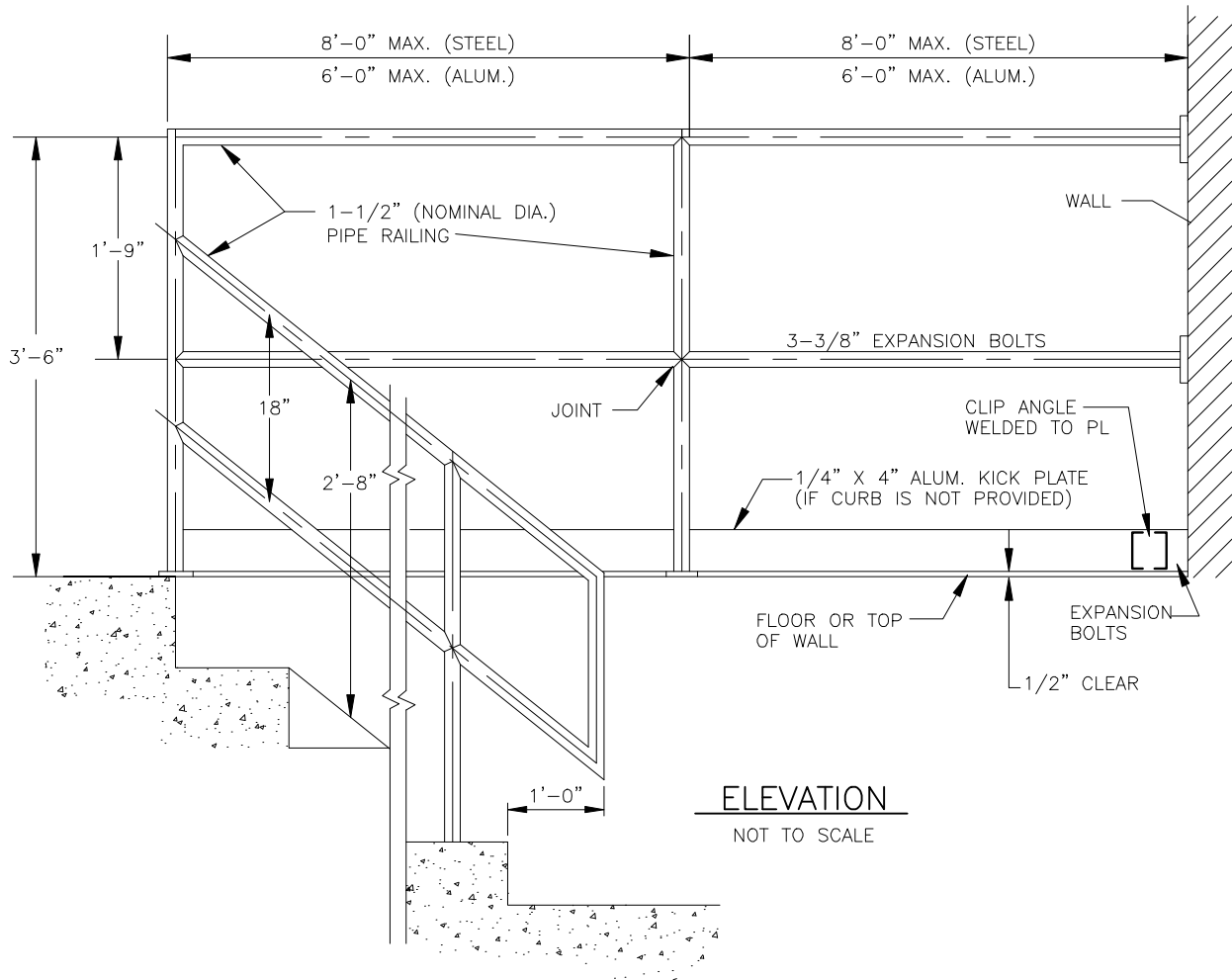
ACCEPTABLE MANUFACTURERS SHALL INCLUDE; SSI, EDI or approved equal

6. **SECTION 14560 (SCREW CONVEYOR SYSTEM)**

ACCEPTABLE MANUFACTURERS SHALL INCLUDE; Huber, Austin Mac , Or-Tec or approved equal

7. **SECTION 14561 (SLUDGE DEWATERING SCREW PRESS)**

ACCEPTABLE MANUFACTURERS SHALL INCLUDE; Huber, FKC, Or-Tec or approved equal



TYPICAL HANDRAILING DETAIL
NOT TO SCALE

AMERICAN IRON AND STEEL FORM

ALL CONTRACTS MUST HAVE A CLAUSE REQUIRING COMPLIANCE WITH THE AIS REQUIREMENT. THIS IS AN EXAMPLE OF WHAT COULD BE INCLUDED IN ALL CONTRACTS IN PROJECTS THAT USE SRF FUNDS. EPA MAKES NO CLAIMS REGARDING THE LEGALITY OF THIS CLAUSE WITH RESPECT TO STATE OR LOCAL LAW:

The Contractor acknowledges to and for the benefit of the City of _____ (“Purchaser”) and the _____ (the “State”) that it understands the goods and services under this Agreement are being funded with monies made available by the Clean Water State Revolving Fund and/or Drinking Water State Revolving Fund that have statutory requirements commonly known as “American Iron and Steel;” that requires all of the iron and steel products used in the project to be produced in the United States (“American Iron and Steel Requirement”) including iron and steel products provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense, or cost (including without limitation attorney’s fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

Signature

Date

Name and Title of Authorized Signatory, Please Print or Type

Bidder’s Firm

☐ Check here if the WPCLF applicant will be requesting a waiver for non-American made iron and steel products.

Village of Crestline
WASTEWATER TREATMENT PLANT IMPROVEMENTS – PHASE 1

BASIS OF PAYMENT

GENERAL: Payment for the work Items shall be at the total unit or lump sum price Bid for each unit of work completed and accepted in accordance with the Contract Documents.

The latest "State of Ohio, Department of Transportation, Construction and Material Specifications" manual shall govern the material and procedures used in this project, if not otherwise specified in the project Specifications or noted on the Drawings.

PRICES TO INCLUDE: For each Bid Item, the total unit price or lump sum price Bid shall be considered full compensation for the completed and accepted work, and shall include all labor, materials, tools, equipment and transportation needed to perform the work in accordance with the Contract Documents so as to provide a complete and properly functional system. The General Contractor shall be responsible for reviewing the contents and conditions of all Contract Documents as they may relate to the work under this Contract and comply with the requirement thereof.

ITEM 1 – BONDS AND INSURANCE

A. Payment:

1. The lump sum amount stated in the Bid Schedule for bonds and insurance shall include all bonds and insurance required to be in force at the commencement of the work. Successful bidder will be required to provide receipts verifying the actual costs of this item when known.
2. Subsequent expenses for bonds and insurance as may be necessary throughout the contract period for changes to the contract or for other occurrences, shall not be a part of this item.
3. Fees for bonds and insurance due to changes in the work shall be respectively a part of the cost of that work.

ITEM 2 – MOBILIZATION

A. Work included: As described in Section 00800 Supplementary Conditions SC-22 and other work incidental to this Item.

B. Payment: Lump Sum price with payments as specified in Section 00800 Supplementary Conditions SC-22.

ITEM 3 – SUBSURFACE SOIL INVESTIGATION

A. Measurement: Shall be on the lump sum basis for the total amount of work to be performed under this item.

B. Payment: The lump sum stipulated to be paid for the Subsurface Soil Investigation shall include all borings and field work, testing, and complete report in accordance with the current Ohio Building Code. Geotechnical investigations shall be conducted in accordance with Section 1803.2 (OBC) and reported in accordance with Section 1803.6 (OBC). Where geotechnical investigations involve in-situ testing, laboratory testing or engineering calculations, such investigations shall be conducted by a State of Ohio registered design professional. Soil classification shall be based on observation and any necessary tests of the materials disclosed by borings, test pits or other subsurface exploration made in appropriate locations. The scope of the geotechnical investigation including the number and types of borings or soundings, the equipment used to drill or sample, the in-situ testing equipment and the laboratory testing program shall be determined by a State of Ohio registered design professional.

ITEM 4 – STEEL BUILDING FOUNDATION (TYPE 1 – TYPE4)

- A. Measurement: Shall be on the lump sum basis for the total amount of work to be performed under this item.
- B. Payment: The lump sum stipulated to be paid for the Steel Building Foundation Design (Type 1 – Type 4) shall include a final stamped design to be done in conjunction with the subsurface soil investigation as well as account for all designed loads and reactions supplied within the Metal building final design. All column/foundation locations are to remain consistent with the drawings. Relocation of said column/foundations may be accepted if it does not impact the proposed processing equipment or cause a redesign of bathroom and hallway. Various types of foundations will be accepted as long as the registered design engineer accounts for and or utilizes the other proposed improvements within the final design. These improvements include but are not limited to the concrete floor, masonry foundation wall, and existing basement walls. Foundation design shall also be performed in accordance with the current State of Ohio Building Code and by a State of Ohio registered design professional.

ITEM 5 – SLUDGE DEWATERING BUILDING

- A. Measurement: Shall be on the lump sum basis for the total amount of work to be performed under this item.
- B. Payment: The lump sum stipulated to be paid for the balance of the Sludge Dewatering Building improvements not otherwise bid, shall be full compensation for all actual demolition, removal and disposal of all equipment and structures, and all items as shown or described on the drawings. This price shall also include as full compensation all structural and architectural improvements, proposed concrete, masonry, all proposed process equipment, utility connections, valves, piping, gates, plumbing, electrical improvements, HVAC, all WWTP site work, and all appurtenances to complete the work shown on the drawings and specified in the contract documents for a complete and ready-for-use installation.

ITEM 6 – DIGESTER TANK DEMO & IMPROVEMENTS

- A. Measurement: Shall be on the lump sum basis for the total amount of work to be performed under this item.
- B. Payment: The lump sum stipulated to be paid for the balance of the Digester Tank Demolition and Improvements, shall be full compensation for all actual demolition, removal and disposal of all equipment and structures, and all items as shown or described on the drawings. This price shall also include as full compensation all proposed process equipment, utility connections, valves, piping, wall penetrations, positive displacement blowers and aeration system, electrical improvements, and all appurtenances to complete the work shown on the drawings and specified in the contract documents for a complete and ready-for-use installation.

ALT-1 – SLUDGE DRYING BED REPAIRS

- A. Measurement: Shall be on an allowance basis for the total amount of work to be performed under this item.
- B. Payment: The allowance sum stipulated to be paid for the balance of the Sludge Drying Bed Improvements, shall be full compensation for all actual demolition, removal and disposal of all equipment and structures, and all items as shown or described on the drawings. This price shall also include as full compensation all proposed process equipment, utility connections, valves, piping, concrete, and all appurtenances to complete the work shown on the drawings and specified in the contract documents for a complete and ready-for-use installation.

ALT-2 – BREATHABLE SLIP RESISTANT FLOORING SYSTEM

- A. Measurement: Shall be on an allowance basis for the total amount of work to be performed under this item.
- B. Payment: The allowance sum stipulated to be paid for the balance of the breathable slip resistance flooring system, shall be full compensation for the actual preparation and treatment of all floors, both in the basement as well as the ground floor including all labor, material, equipment, and all appurtenances to complete the work shown on the drawings and specified in the contract documents for a complete and ready-for-use installation.

PROPOSAL TO THE VILLAGE OF CRESTLINE, OHIO
WASTEWATER TREATMENT PLANT IMPROVEMENTS – PHASE 1

TO: MAYOR DAVID SHARROCK
VILLAGE OF CRESTLINE
100 NORTH SELTZER STREET
CRESTLINE, OHIO 44827

Gentlemen:

Proposal of _____ (hereinafter called "BIDDER"), organized and existing under the laws of the State of Ohio doing business as _____. To the VILLAGE OF CRESTLINE (hereinafter called "Owner").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for the construction of the WASTEWATER TREATMENT PLANT IMPROVEMENTS – PHASE 1 in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

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

The undersigned have full knowledge of the project site, Drawings, and the conditions of the proposal. The undersigned also, hereby agrees to furnish all the services, labor, materials and equipment necessary to complete these projects according to the Drawings and Specifications and to accept as full compensation the lump sum or unit prices stated in the Bid Schedule for the work and for use when calculating the price of a deduction or an increase in quantities.

BIDDER hereby agrees to commence WORK under this Contract on or before a date to be specified in the NOTICE TO PROCEED and to fully complete the PROJECT within the period stipulated in the INSTRUCTIONS TO BIDDERS. BIDDER further agrees to pay as liquidated damages and that the CITY may retain from monies that are, or which may become due. The amount of such liquidated damages shall be as stipulated in the CONTRACT AGREEMENT FORM (Section 00500 herein).

* Insert "a corporation", "a partnership", or "an individual" as applicable.

The Bidder hereby acknowledges receipt of the following addenda:

<u>ADDENDUM NO.</u>	<u>DATE</u>
<hr/>	<hr/>
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We further agree that the Owner may reject any or all bids.

SUBMITTED BY:

Firm, Corporation or Individual

Address

Telephone Number

Contractor License Number

Signature:

 Date:

NOTE: Evidence of authority to sign and the corporate seal must be affixed and attested by the Secretary.

COMPLETION DATE: 270 Calendar Days commencing on the date as shown on Notice to Proceed for Final Completion.

PROPOSAL TO THE VILLAGE OF CRESTLINE, OHIO
WASTEWATER TREATMENT Plant IMPROVEMENTS – PHASE 1

BASE BID SCHEDULE

Bid Item	Item Description	Est. Qty.	Unit	Unit Price Material	Unit Price Labor	Total Unit Price	Total Price
SANITARY							
1	BONDS AND INSURANCE	1	Lump				\$
2	MOBILIZATION	1	Lump				\$
3	SUBSURFACE SOIL INVESTIGATION	1	Lump				\$
4	STEEL BUILDING FOUNDATION (TYPE 1 – TYPE4)	1	Lump				\$
5	SLUDGE DEWATERING BUILDING	1	Lump				\$
6	DIGESTER TANK DEMO & IMPROVEMENTS	1	Lump				\$
TOTAL BASE BID							\$

TOTAL BASE BID AMOUNT OF PROJECT (IN FIGURES)

TOTAL BASE BID AMOUNT OF PROJECT (IN WORDS)

ALTERNATE BID SCHEDULE

Bid Item	Item Description	Est. Qty.	Unit	Unit Price Material	Unit Price Labor	Total Unit Price	Total Price
ALT-1	SLUDGE DRYING BED REPAIRS	1	allowance			\$25,000.00	\$25,000.00
ALT-2	BREATHABLE SLIP RESISTANT FLOORING	1	allowance			\$40,000.00	\$40,000.00
TOTAL							\$ \$65,000.00

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PART FOUR - SPECIAL PROVISIONS

4.01 VALVE SCHEDULE

- A. The following letter designations are used in the Valve Schedule:

Valve Type Designation

PV Plug
TV Telescoping Valve

Operator Designation

HW Hand-wheel
CW Chain-wheel
TW T-wrench

Appurtenances

FS Floor Stand
SE Stem Extension (incl. guides)
VB Valve Box

AREA Designation

SB Sludge Building
SS Sludge Station
SLD Sludge Line to Digester (Sheet 4)
D Digester

Valve Schedule

HEADWORKS VALVE SCHEDULE			
Area/Tag#	Size (inches)	Type	Operator
SB1	6"	PV	HW
SB2	6"	PV	HW
SB3	6"	PV	HW
SB4	6"	PV	HW
SB5	6"	PV	HW
SB6	6"	PV	HW
SB7	6"	PV	HW
SB8	6"	PV	TW
SB9	6"	PV	TW
SB10	6"	PV	HW
SB11	6"	PV	HW
SB12	6"	PV	HW
SB13	6"	PV	CW
SS1	6"	PV	TW, SE, VB
SS2	4"	PV	HW
SLD1	4"	PV	TW, SE, VB
SLD2	4"	PV	TW, SE, VB
D	4"	TV	HW- FS

NOTE: SB8 and SB9: Provide access in grate for t-wrench to operate valves, provide one t-wrench for each valve. T-wrench shall reach valve and extend 3' above floor grade.

Provide 2 total wrenches for use at all direct buried valves.