

The drawing package for the Wastewater Treatment System Upgrade at J.F. Shields High School for the Monroe County Board of Education shall be amended as follows:

1. Sheet 2 – Quantities shall be revised as follows:

Item Number 16 Description has been revised to “Transfer Settled Biosolids from Lagoon Cells #2 and #3 to Cell #1”. These biosolids shall be evenly distributed throughout Cell #1.

In addition, Item Number 16 Quantity shall be revised to approximately 28,000 gallons. This estimate is based off the bottom of Cells #2 and #3 being 43-ft by 43 ft and assumes 12-inch of biosolids in the bottom of each cell. This volume is just the estimate for the biosolids and does not include the total liquid volume in each cell.

Please see attached revised drawing sheet.

2. Sheet 4 – Proposed Site Plan shall be revised as follows:

The chlorine contact chamber and aeration tank shall be moved approximately 20 feet to the north due to undesirable site conditions in the proposed area. Please see attached revised drawing sheet.

3. Sheet 5 – Profile View shall be revised as follows:

The chlorine contact chamber and aeration tank shall be moved approximately 20 feet to the north due to undesirable site conditions in the proposed area. Because the chlorine contact chamber and aeration tank will be countersunk, a small 5 ft x 5 ft slab will be constructed at grade for placement of the aeration blower, electrical connections and lighting. Adjustments to the electrical wiring and conduit runs (i.e. distance from panel) will also be required with the adjusted location. The same wiring size should be used.

Concrete or gravel base may be used as the base for the construction of the chlorine contact chamber and aeration tank. The concrete slab shall meet the specifications as shown on Sheet 8 of the drawing package. If a gravel base is used, it shall be #57 stone 4-inch thick. Please see attached revised drawing sheet.

4. Sheet 17 - Disinfection System shall be revised as follows:

The molded inlets and outlet hubs for the Norweco Tablet Feed system shall be revised to 8-inches.

The Contract and Specifications for the Wastewater Treatment System Upgrade at J.F. Shields High School for the Monroe County Board of Education shall be amended as follows:

1. Section XV -Technical Specifications – Positive Displacement Blower Assembly Specifications and Blower Accessories, page 121 shall be revised as follows:

In Part 2 Section 2.1 Design Criteria, the Table that provides details of the Aeration Blowers shall be revised to a Quantity of 1 blower.

2. Section XV -Technical Specifications – Dry Chemical Tablet Feeder Specification, page 127 shall be revised as follows:

In Section 3.0 – Details, Subsection D, the molded inlets and outlet hubs shall be revised to 8-inches. The model number for the tablet feeder remains the same as specified.

The following general information is provided for all bidders on the project:

- As discussed during the site visit, the contractor shall furnish four (4) 1.5-inch diameter, 316 stainless steel 3-piece socket to socket on/off ball valves (full flow). The contractor will also supply one (1) 1.5-inch, 316 stainless steel socket flange that will be connected to the supplied 1.5-inch stainless steel header line. The recommended valve is a 1.5-inch socket weld female valve. The cut sheet is attached to this Addendum.
- The baffle to be installed in Cell #3 as specified is supplied by Engineered Textile Products. Their contact information is provided below:

Engineered Textile Products
Attn: Ken Robinson
Telephone: (251) 476-8001

- The vendor for the baffle curtain (Engineered Textile Products) has provided the following information as cost saving suggestions for the baffle curtain and should be incorporated:
 - Please use heavy duty galvanized chains as the ballast for the curtain.
 - It is recommended that the concrete anchors be applied every 18 ft not 18 inches as is noted in the drawing. The specification is correct at 18 ft for the anchors.
 - For the shore anchor post, Schedule 40 heavy duty galvanized pipe, painted yellow will be allowed.
 - The tension cable can be reduced in size from ½ inch to ¼ inch SST cable.
 - The manufacturer should supply the baffle curtain in a single section eliminating Section 2.2.D.2 of the specification.
- A previous quote on the transfer of the biosolids from Cell #2 and Cell #3 to Cell #1 was provided by the following vendor:

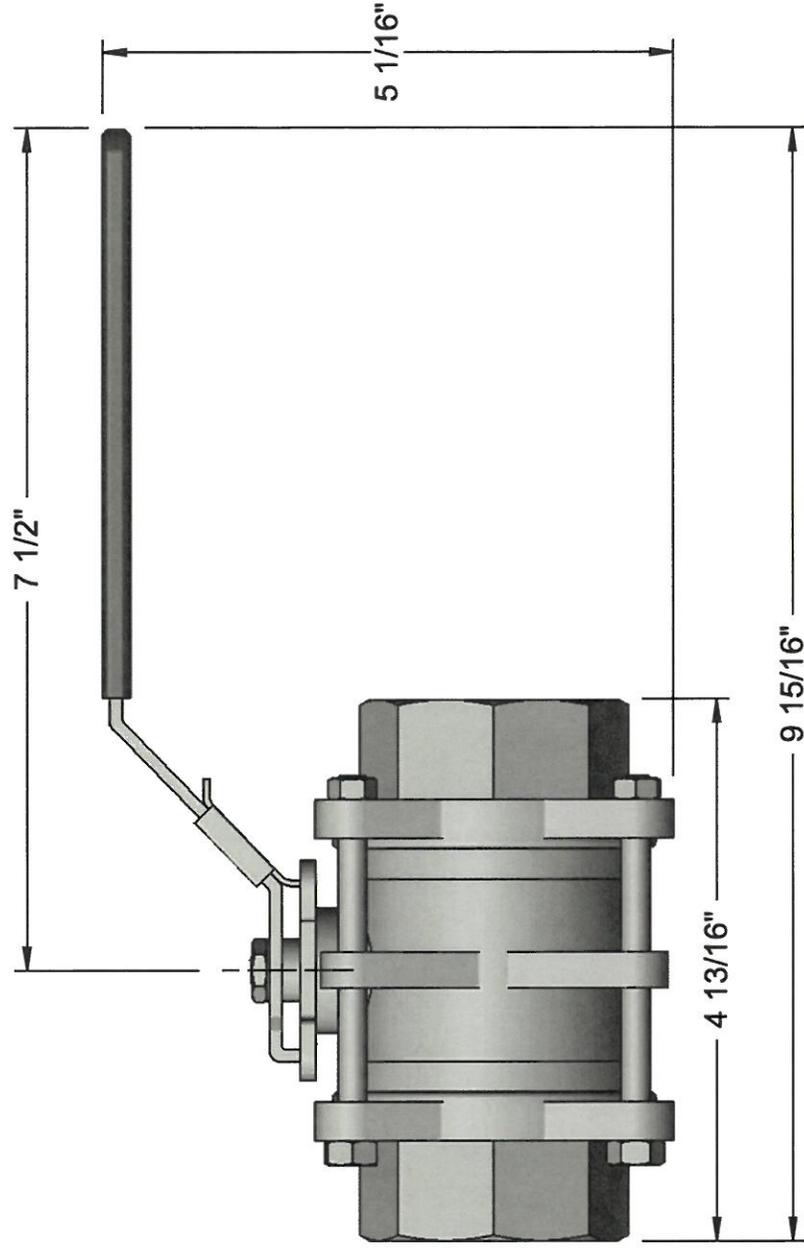
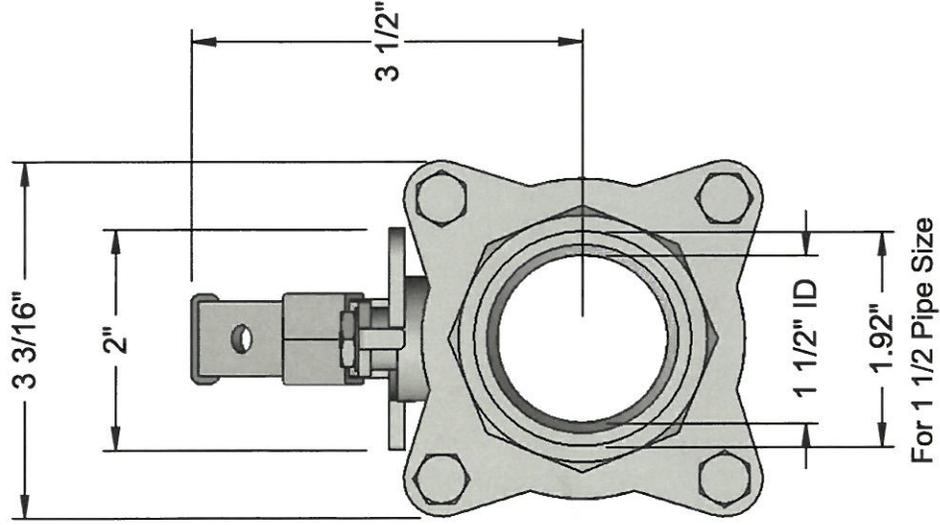
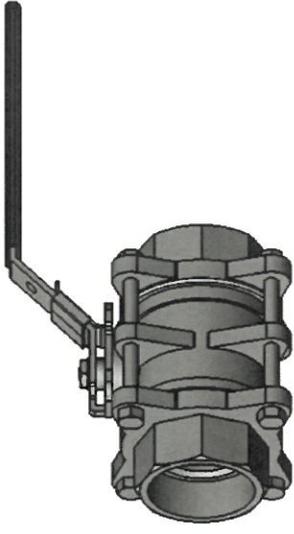
Greensouth Solutions
Attn: Cole Dunn
(334) 248-3868

- Monroe County Board of Education is requesting that the contractor remove the remains of the previous cover over Cell #3 and the post installed in the berm. Please include this in your cost estimates for the project.
- After discussion with Monroe County Board of Education, an allowance/contingency of \$50,000 is provided for this project.
- Please note that the selected contractor will be required to obtain a business license for the City of Beatrice, Alabama. Attached is a link to obtain the business license for the project at J.F. Shields High School.

<https://secure.bizlicenseonline.com/default.aspx>

Alyssa House is the Town clerk and can be contacted for additional information.

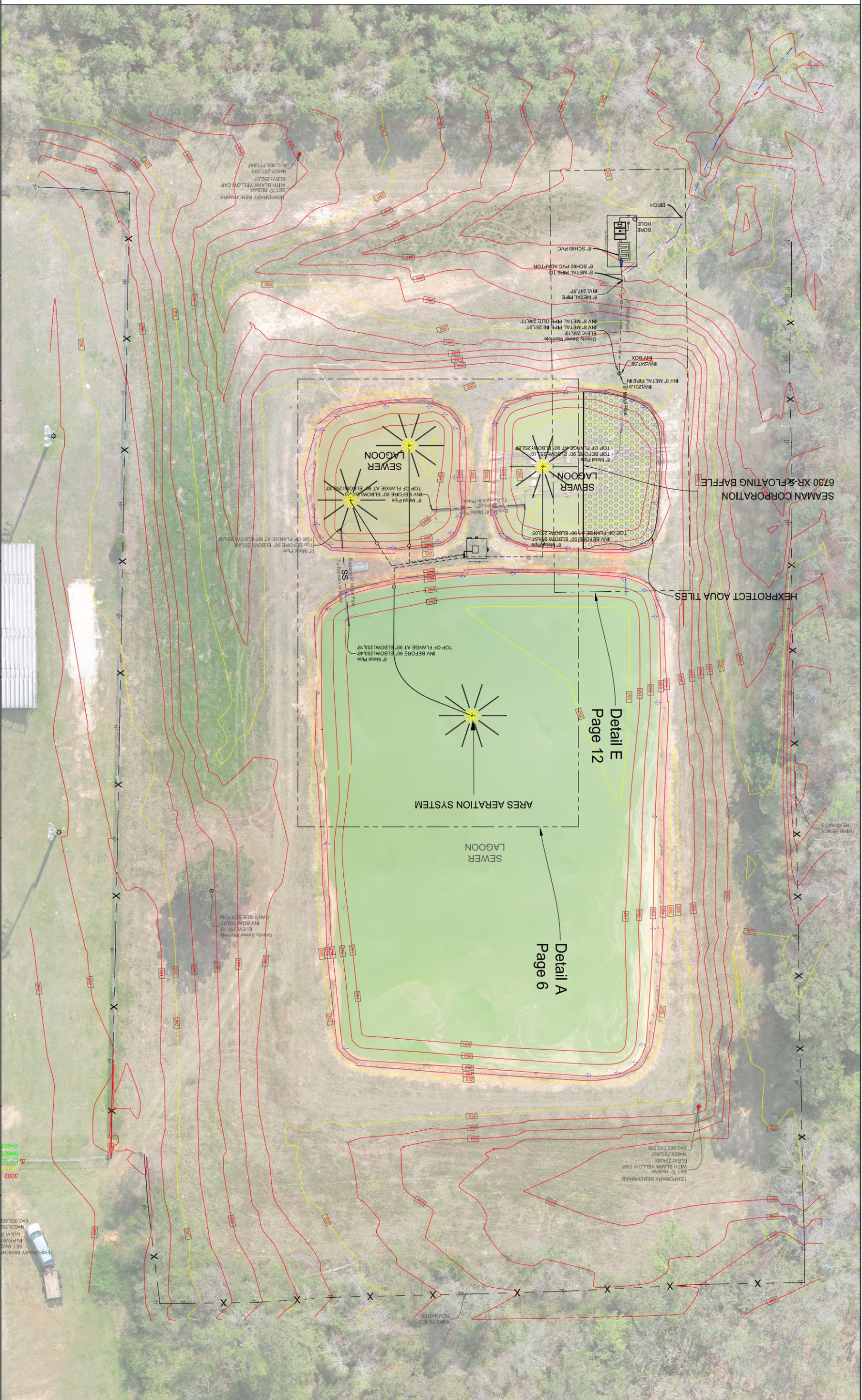
- It is expected that the contractor will provide compaction testing information for the base material where concrete slabs are constructed for the blower and the chlorine contact chamber and aeration tank are set. As per page 8 of the drawings, the area should be compacted to at least 95% of the soil Modified Proctor maximum dry density as determined by ASTM D 1557, Method "A".
- The Contractor should determine the compressive strength of concrete through molded cylinders and drilled cores as defined by ASTM C39. These cylinders shall be broken by a material testing laboratory to show that the concrete used on the project meets the compressive strength requirements. A report of the cylinder tests shall be provided to MEI and Monroe County Board of Education.



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Information in this drawing is provided for reference only.

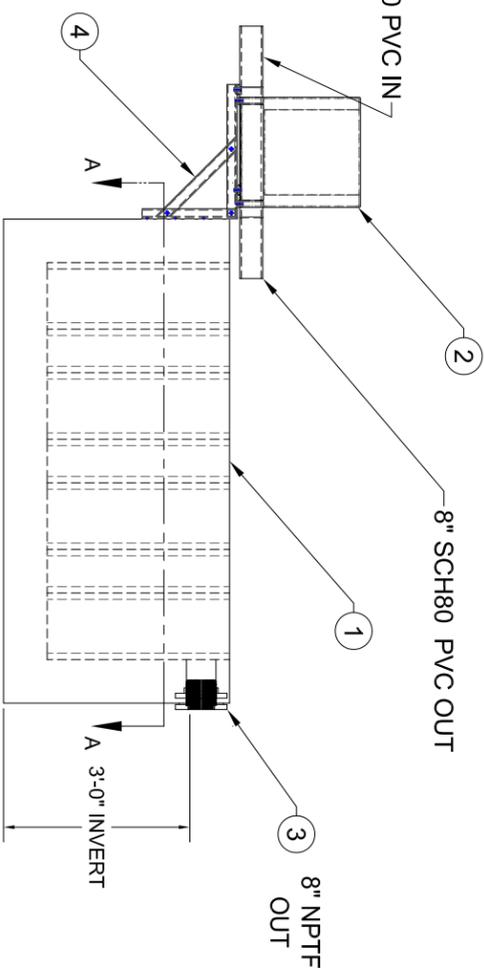
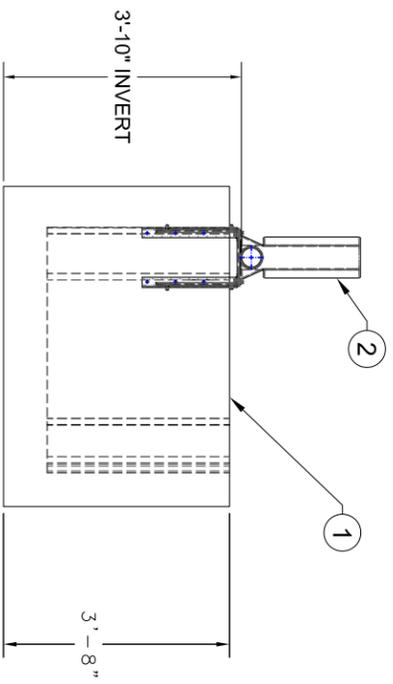
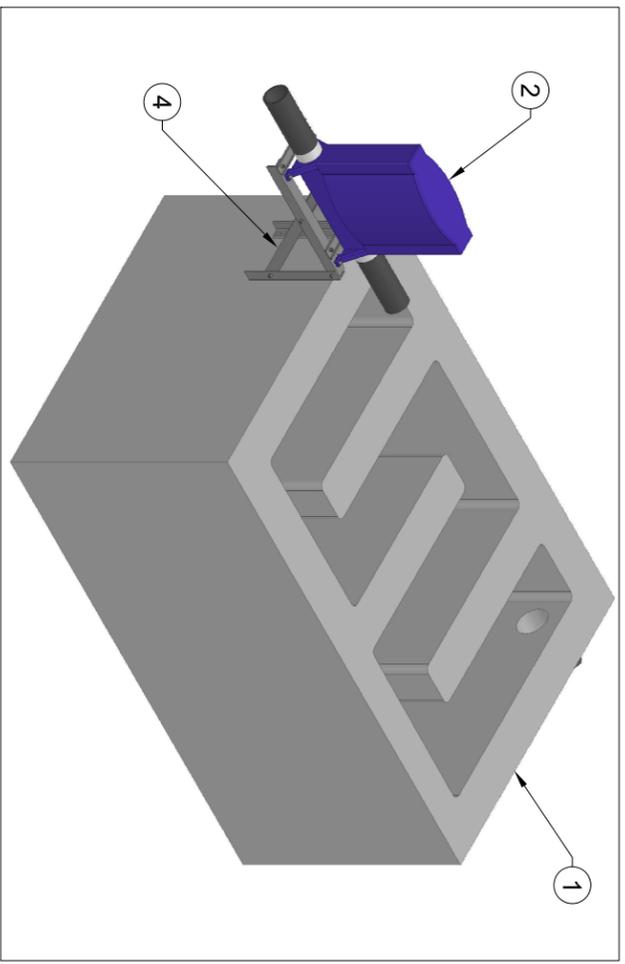
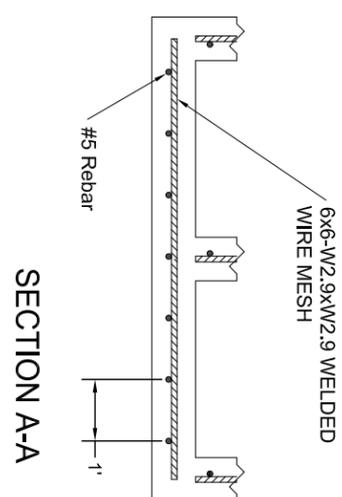
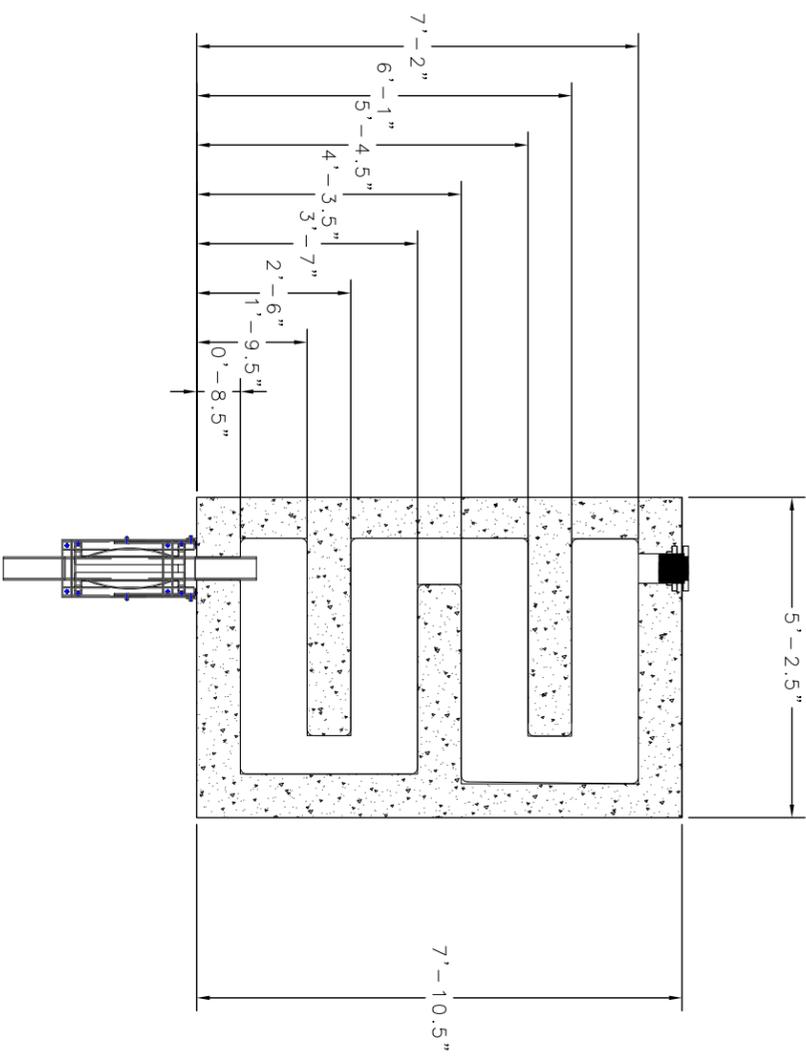
PART NUMBER **4866K77**
Easy-Maintenance 316 Stainless Steel On/Off Valve

ERROR! Padlock



REVISION:	DESCRIPTION:	DATE:	SEAL:	PROJECT No. MCBE004	DRAWING #:
				SCALE: 11 x 17 - 1" = 40' 22 x 34 - 1" = 20'	DESCRIPTION: Proposed Site Plan
				DESIGNED BY:	SHEET #: 4
				DRAWN BY:	
				CHECKED BY:	
				APPROVED BY:	
				DATE CREATED:	
McFadden Engineering, Inc. 2860 Daughn Street, Suite D Mobile, Alabama 36606 www.mcfaddenengineering.com PHONE: (251) 470-6870 FAX: (251) 470-6872				JF Shields High School Lagoon System Upgrade	

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	1	CHEMICAL CONTACT TANK
2	1	TABLET CHEMICAL DISPENSER - BIO-DYNAMIC LF4000 OR APPROVED EQUAL
3	1	8" NPTF BULKHEAD FITTING
4	1	BRACKET ASSEMBLY - BIO-DYNAMIC SERIES 2000 OR APPROVED EQUAL



- Notes:
- 1.) Reinforcing steel shall be ASTM A615 Grade 60.
 - 2.) Welded wire mesh fabric shall be ASTM A185.
 - 3.) Concrete shall be proportioned to provide a 2,000 psi minimum 28 day compressive strength.
 - 4.) The chemical dispenser shall be installed plumb and level
 - 5.) Concrete tank shall be coated on the inside with XYPEX Crystalline Waterproofing System at a rate of 6-7.2 sq. ft./lb.

REVISION:	DESCRIPTION:	DATE:	SEAL:	PROJECT No. MCBE004	DRAWING #:
				JF Sheilds High School Lagoon System Upgrade	DESCRIPTION: Disinfection System
				McFadden Engineering, Inc. 2860 Dauphin Street, Suite D Mobile, Alabama 36606 www.mcfaddenengineering.com PHONE: (251) 470-6870 FAX: (251) 470-6872	SCALE: 11 x 17 - 1"=3' 22 x 34 - 1"=1.5'
				DESIGNED BY:	DATE CREATED:
				DRAWN BY:	SHEET #:
				CHECKED BY:	17
				APPROVED BY:	