

Response: DCAM certificates are not required

3. Please provide a specification for the scum concentrator indicated on DWG M-7.2.

Response: See attached specification SECTION 11317

4. Please confirm the Biofilter (Odor ~~h~~en SECT

Response: Veolia will contract directly with an electrical contractor unless a combined bid, which includes self-performed electrical work, is selected from the general contractor.

9. Spec 00500 paragra!

(Controls Work provided by Veolia) and have been included in Bid Package #1 (GC work) for reference only.

Response: Veolia is providing for reference only.

13. Please confirm that all cutting, coring, sealing, and patching required for EC work is the responsibility of the EC.

Response: The Electrical Contractor will be responsible for all cutting, coring, sealing, and patching required for Division 16 work.

14. On Drawing M-1.1, please confirm that temporary support of electrical panels on the south exterior wall during headworks building replacement is the responsibility of the EC, including any temporary power or control wiring required during building replacement.

Response: The Electrical Contractor will be responsible for this work.

UQG 15. Specification 16000 paragraph 1.1.E. directs the EC to mount and ! ipe

ground runs of both systems to the Lime S L

0.8000 x M

frames can be abandoned in place and that the bottom of the new slide gate frames can sit flush on the bottom of the chlorine contact tank inlet chamber.

Response: Confirmed – any embedded gate frames may be abandoned in place and new frames can be installed flush with concrete.

25. Drawing M-2.1 does not show the 2” grout being demolished in the existing primary clarifiers at the bottom of the clarifiers. Please confirm the 2” grout is to remain in the bottom of the existing primary clarifiers.

Response: Correct, grout is to remain

26. Drawing M-2.8 shows a 14” Modulating Valve, but it does not identify what type of valve is required (plug, butterfly, globe, etc.). Please provide valve type.

Response: Butterfly valve.

27. Spec 01810 page 3 indicates that the “Overflow channel shall be kept in operation at all times”. Is the “overflow channel” the channel adjacent to the fine screen channels that has a manual bar rack in it (refer to M-1.1) and referred to as “Bypass Channel” on M-1.2? If so, how are the gates to be replaced if the channel is to be kept in operation?

Response: The bypass channel 01810 p

30. Please confirm the building permit fee will be paid by the owner?

Response: Yes, fees for

seals is an acceptable alternative to having to cast wall sleeves or wall pipes in existing concrete walls (similar to detail 410 on MD-1).

Response: Details 413 and 415 are intended to be used when a pipe penetration is being replaced - i.e. some demolition of the wall is required to remove the old pipe. Detail 410 is intended to be used for new cored penetrations.

37. Drawing S-1.1 shows the handrails for Grit Chamber #1 to remain. Drawing M-1.2 shows new handrail around Grit Chamber #1. Please clarify the intent of handrail work at Grit Chamber #1.

Response: The intent is to replace the handrails at the grit chamber.

38. Please confirm any pipes located understructures, ie – Primary Clarifier No.4, are not required to be concrete encased.

Response: Correct - pipes beneath structures are not required to be encased in concrete.

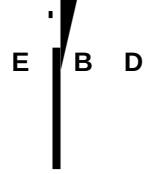
39. Specification Section 00300 - Bid Form: Page 3 provides lines to write in "Total of Taunton WWFT Phase 1 Improvements Bid Package #1 AND BID PACKAGE #@ ELECTRICAL (COMBINED)" however there are no similar lines to provide a total price inclusive of Package #3 Instrumentation. Please confirm whether or not General Contractor's bidding this project will have the opportunity to provide a combined price that includes packages 1,2 and 3, or if they will only provide pricing for the combination of package 1&2.

6

Response: The combined bid for this project will only include a pricing

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subcontractors of each and any of them ("Builders Risk Insureds"), each of whom is deemed to have an insurable interest and shall be listed as a loss payee;

2. Be written on a Builder's Risk "all-risk" policy form that shall at least include insurance for physical loss or damage to the Work, temporary buildings, falsework, and materials and equipment in transit and stored off-site, and shall insure against at least the following perils or causes of loss: fire, lightning, extended coverage, theft, vandalism and malicious mischief, earthquake, collapse, windstorm, terrorism, debris removal, demolition occasioned by enforcement of Laws and Regulations, water damage (other than that caused by flood), and such other perils or causes of loss as may be specifically required below:
3. Include expenses incurred in the repair or replacement of any insured property (including but not limited to fees and charges of engineers and architects);
4. Cover materials and equipment stored at the Site or at another location that was agreed to in writing by Company, Subcontractor, and Client prior to being incorporated in the Work, provided that such materials and equipment have been included in an Application for Payment approved by Company;
5. Allow for partial utilization of the Work by Company;
6. Include testing and startup; and
7. Be maintained in effect until final payment is made unless otherwise agreed to in writing by Company, Subcontractor, and Client with 30 days written notice to each other loss payee to whom a certificate of insurance has been issued.

Prior to providing any Work under this Agreement, Subcontractor will provide Company with an ACORD certificate of insurance evidencing that the above described coverages are in full force and effect. Subcontractor will name Company and Client as additional insured with respect to coverages (iii), (iv), and (viii), (and (v) if applicable) above. All policies will be primary and non-contributory, provide a full waiver of the insurer's right of subrogation in favor of Company and Client, if applicable, and/or any sub-subcontractor with respect to claims that are covered or should have been covered by valid and collectible insurance provided hereunder and said waiver will extend to any deductibles, co-insurance or retentions. Subcontractor will not permit any cancellation or non-renewal in the insurance coverage to be provided hereunder without thirty (30) days' written notice to Company.

All policies shall be issued on occurrence-based forms, except for coverages (vii) or (viii), which may be issued on a claims-made form. All claims-made policies will at least be retroactive to the earlier of the date of this Agreement or the commencement of Subcontractor's services in relation to the Work, and shall be maintained for three (3) years after the expiration or termination of this Agreement.

These insurance requirements will not be construed in any matter as waiving, restricting or limiting Company's rights or Subcontractor's obligations under this Agreement. Company does not represent that coverage or limits herein will be adequate to protect Subcontractor. Subcontractor remains responsible for any liability not paid by insurance including deductibles and retentions.

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SECTION 00300

BID FORM

THIS BID IS SUBM4 (5.998 (S)22.004 04 ()21.6 Td/06 (S)17.T98 (S)22.E4 (D)32.D98 (04 ()266 Td/06 ()-1.006 (S)17.

- K. The undersigned bidder hereby certifies he/she will comply with the specific affirmative action steps contained in the EEO/AA provisions of this Contract, including compliance with the Disadvantaged Business Enterprise provisions as required under these contract provisions. The contractor receiving the award of the contract shall incorporate the EEO/AA provisions of this contract into all subcontracts and purchase orders so that such provisions will be binding upon each subcontractor or vendor.
- L. The undersigned further certifies under penalty of perjury that the said undersigned is not presently debarred from doing public construction work in the Commonwealth under the provisions of Section Twenty-Nine F of Chapter Twenty-Nine, or any other applicable debarment provisions of any other Chapter of the General Laws or any rule or regulation promulgated thereunder; and is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency.
- M. Bidders must fully comply with Subpart C of 2 CFR Part 180 and 2 CFR Part 1532, entitled responsibilities of Participants Regarding transactions (Doing Business with Other Persons). Contractors, subcontractors, or suppliers that appear on the Excluded Parties List System at www.usgovxml.com/dataservice.aspx?ds=EPLS are not eligible for award of any contracts funded by the Massachusetts State Revolving Fund.
- N. Bidders must fully comply with the Diesel Retrofit Program. See Appendix B to the Agreement.
- O. In accordance with the above understanding, the undersigned proposes to furnish all Goods and Services, and complete the Work in its entirety in the manner and under the conditions required at the prices listed as follows:

<u>Item Number</u>	<u>Estimated Quantity</u>	<u>Brief Description: unit or lump-sum price bid in both words and figures.</u>	<u>Total in Figures</u>
1	1 LS	Phase 1 Improvements, all work excluding bid package 2 (Electrical), bid package 3 (Instrumentation and Control), and bid items 2-5 _____dollars and _____cents (\$ _____) \$ _____	
2	250 LF	Crack Repair of Existing Concrete Tanks and structures, per linear foot, _____dollars and _____cents (\$ _____) \$ _____	
3	350 SF	Concrete Spalling Repair of Existing Concrete Tanks, and structures, per square foot, _____dollars and _____cents (\$ _____) \$ _____	
4	30,000 SF	Concrete Protective Coating of Existing Concrete Tanks, and structures, per square foot, _____dollars and _____cents (\$ _____) \$ _____	

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SECTION 11317

SCUM CONCENTRATOR

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. This specification covers the furnishing and installation of one (1) scum concentrator.

1.02 RELATED SECTIONS

- A. SECTION 01300 – SUBMITTALS
- B. SECTION 01665 – SERVICES OF MANUFACTURER’S REPRESENTATIVE
- C. SECTION 01680 – EQUIPMENT AND SYSTEM CHECKOUT, CERTIFICATION, AND TESTING
- D. SECTION 01730 – OPERATION AND MAINTENANCE MANUALS
- E. SECTION 11961 – INTERIOR AND EXTERIOR PROCESS PIPING
- F. SECTION 13321 – INSTRUMENTATION AND CONTROL SYSTEM

1.03 SUBMITTALS

- A. Shop Drawings in accordance with specification Section 01300.
- B. Submittals shall include (but not be limited to):
 - 1. Dimensions and weight of unit
 - 2. Material Testing certifications
 - 3. American Iron and Steel Certificate of Compliance
 - 4. Anchor bolt patterns
- C. Operation and Maintenance Manual in accordance with specification Section 01730.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Envirocare/Saracco, American Canyon, CA (Model 60-500)
- B. Approved equal.

2.02 DESIGN

- A. Scum concentrator shall be capable of handling 60 gpm of fats, oils, and greases (FOG) with a concentration of up to 2%.
- B. Unit shall consist of a filter, a Concentrator Tank, a holding tank (with blender), a FOG pump, and a local control panel.

2.03 MATERIALS

- A. Concentrator Tank: the concentrator tank shall have a capacity of approximately 2,000 gallons and shall be manufactured of ¼” thick steel plate. Tank shall have a separation rate of not greater than 2.5gpm per square foot. Tank shall be equipped with an inlet flow distributor, concentrator compartment, underflow baffle, mechanically adjustable level control, effluent nozzle, drain/cleanout nozzle, recirculation connection, skimming beach ramp, and surface skimming mechanism. Piping connections shall be Schedule 40 PVC with flanged connections. Skimmer mechanism shall be driven by a ½ HP TEFC motor. Concentrator tank shall be equipped with FRP odor control covers.
- B. Holding Tank: the holding tank shall have an approximate working capacity of 500 gallons. Tank shall be manufactured of 3/16” steel and shall come supplied with all necessary stiffeners, supports, cover, and mounting flanges. Holding tank shall have a stainless steel lid

2.04 ACCESSORIES

- A. Holding Tank Level Indicators: holding tank shall be equipped with four (4) level sensors
- B. Holding Tank Heating System: holding tank shall be factory equipped with strip heating elements capable of maintaining a temperature within the holding tank of between 85°-105°F. System shall include 2” insulation and a thermocouple to regulate the temperature of the contents of the tank.
- C. Holding Tank Blender: holding tank shall be equipped with a vertical shaft mounted motor driven blender with reducer. Impeller shall be stainless steel. Blender shall be mounted such that it is removable through tank cover.
- D. FOG Pump: pumping system shall be factory installed and shall be compatible with the flow rates and materials being pumped.

2.05 CONTROLS

- A. Unit shall be furnished with a factory installed local control panel. Control panel shall be housed in a NEMA 4X enclosure and shall include:
 - a. 3-pole disconnect switch and circuit breaker
 - b. Control power on-off switch
 - c. Indicator lights:
 - i. Control power (1)
 - ii. Motor run (2)
 - iii. Heater Power on (1)
 - iv. Holding Tank Level (2) – low/low and high/high
 - d. Start-stop push buttons for motors
 - e. Motor starter for FOG pump
 - f. Skimmer speed adjustment

- g. Relays for level switches
- h. Control power transformer with fused primary and secondary

2.06 PAINTING/FINISHING

- A. Unit shall be painted in accordance with Specification Section 09900

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install in accordance with the drawings and the manufacturer's instructions.
- B. Special installation instructions (sequencing, relation to other equipment, etc.

3.02 TESTING

- A. All components shall be assembled and shop tested prior to shipment. Documentation of shop testing shall be provided with unit. All components shall be checked for anchor bolt hole alignment and fit. Powered components shall be assembled and powered up to ensure proper alignment and function. Tanks shall be checked for leaks. Control panel shall be powered up and operated to ensure proper function.

3.03 STARTUP

- A. Provide startup services in accordance with Specification Section 01665
- B. Startup checkout procedures, operator training

3.04 SPARE PARTS

- A. The following spare parts shall be furnished with equipment:
 - a. Two (2) bearing assemblies for skimmer take-ups
 - b.